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VOLUME 32
BOOK 185

TOMBSTONE MINING DISTRICT
COCHISE CO., ARIZONA

PBR OPERATIONAL DATA

Southwestern
Exploration
Associates

Mineral Exploration &
Natural Resource
Consultants
Tucson, Arizona

PBR PRODUCTION DATA

Wilson Jones
Form 10-20

		9	10	11	12	13	14	15	16	17	18	19	20
		HEAD		TAILS		% RECOVERY		DORE' WEIGHT		PLANT ASSAYS		DORE' PURITY	
		AU	AG	AU	AG	AU	AG	WT	% FROM ARROW	AU	AG	AU	AU
2-88-1	1	13.20	173.44	3.32	19.35	75.85	88.84			13.98	160.58		
2-88-2	2	11.79	168.96	4.26	24.06	63.86	62.20						
2-88-3	3	14.26	185.52	7.58	20.21	46.84	89.10	417.90	567.17 / 73.68				
2-88-4	4	8.10	138.78	3.81	13.89	52.96	90.00	67.45					
2-88-5	5	8.60	152.97	3.48	44.68	59.59	70.79	149.48		18.275	154.52		
2-88-6	6	9.56	128.81	2.72	51.96	71.55	59.66	49.22					
2-88-7	7			4.74	59.60								
2-88-8	8	7.71	125.91	4.88	63.14	36.70	49.85	30.24					
2-88-9	9	6.71	129.59	4.01	56.29	40.23	33.57	77.94		11.811	138.53		
3-88-10	10	8.78	98.01							10.665	129.44		
3-88-11	11	12.81	127.56	5.28	63.96	58.78	49.86			12.484	111.92		
3-88-12	12	9.63	112.49	3.74	65.84	61.16	41.79			15.149	140.30		
3-88-13	13	9.32	88.41	5.01	48.19	46.24	45.50			10.49	89.38		
3-88-14	14	6.36	76.47	3.50	50.49	44.96	47.66			18.63	109.35		
3-88-15	15	5.12	89.00	2.65	55.42	48.24	37.73			14.10	107.45		
3-88-16	16	5.76	92.09	3.13	49.23	45.66	46.54			12.19	99.95		
3-88-17	17	7.45	83.71	4.63	56.78	37.85	32.17			14.582	72.35		
3-88-18	18	7.91	89.44	5.34	47.28	32.50	47.14			9.065	91.44		
3-88-19	19			.18	68.22					6.556	116.81		
3-88-20	20	5.36	75.23	.385	33.93	92.81	54.89			7.313	69.17		
3-88-21	21	6.09	167.54	1.47	23.65	75.86	85.88			8.541	75.12		
3-88-22	22	6.05	76.34	2.16	63.52	64.29	16.79			5.632	87.15		
3-88-23	23	5.67	100.95	.99	28.92	82.53	71.35			7.179	97.01		
3-88-24	24	5.10	94.04	3.75	33.45	26.47	64.43			13.688	127.38		
3-88-25	25	6.39	113.63	2.24	27.84	64.94	75.50			8.119	57.61		
88-26	26	6.10	77.40							9.565	51.93		
4-88-27	27	4.99	64.86	1.47	40.80	70.54	37.09			5.576	61.84		
4-88.28	28	6.94	62.75	1.23	26.63	82.27	57.56			8.703	93.03		
4-88-29	29	10.21	57.02	4.77	21.27	53.28	62.68			14.341	81.81		
Totals:	30	215.97	2971.12	90.725	1158.60								

AU 2444.06

TAILS 90.[illegible]
HEAD 215.97
49.51%

106.92.

Wilson Jones
Form 10-20

		HEAD		TAILS		% RECOVERY		DORE' WEIGHT	PLANT ASSAYS		DORE PURITY	
		AU	Ag	AU	Ag	AU	Ag		AU	Ag	AU	Ag
4-88-30	1	13.61	73.66	6.57	18.86				11.307	4218		
4-88-31	2	10.08	88.88						9.524	5517		
4-88-32	3	4.40	47.81						13.723	6262		
4-88-33	4								9.971	3040		
4-88-34	5								10.552	8217		
4-88-35	6								14.053	6581		
	7											
	8											
	9											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											

EXISTING
FILES

12/20/87

21:00 Charged Furnace w/3 Bag Precips Continuation Lot's-63-70
21:30 Charged Furnace w/1 Bag Precips
22:05 Charged Furnace w/1 Bag Precips
23:00 charged Furnace w/1 Bag Precips - Kevin N. Lindros
23:40 charged Furnace w/1 Bag Precips
24:45 charged Furnace w/1 Bag Precips
01:40 charged Furnace w/1 Bag Precips
02:40 charged Furnace w/1 Bag Precips And Beads From
03:40 charged Furnace w/1 Bag Precips Previous smelt
06:55 Poured Smelt Weight - 154.94
Witness - Kevin N. Lindros
Witness - Gary Lindros

2-27-88

1930 Weighed Lot No. 2-88-1 73 lbs Precip & Paper
Witness Gary Lindros
Witness Kevin N. Lindros

3-1-88

1030 Weighed Lot No. 2-88-2 71 lbs Precip & Papers
Witness Gary Lindros
Witness D. H. Peterson

3-2-88

1630 chg. furnace w/2 Bags pre-cips Lots #2-88-1 & 2
1745 " " w/1 Bag pre-cips
1930 chg furnace w/1 Bag pre-cips
2145 " " w/1 Bag pre-cips
2340 " " w/1 Bag pre-cips
0115 " " w/1 Bag pre-cips
0130 " " w/1 Bag & Soda Ash (10 Lbs)

0200 chg. furnace w/1 - Bag Soda Ash. (10 Lbs)
0750 poured smelt, weight 0
witness - D. H. Peterson
witness - Richard Williams
Poured too soon
0255 chg furnace w/2 Bags pre-cips
1010 Furnace down to change gas - air mixer
1100 Furnace Back on Line
1130 Furnace Down - Open up mixer veins
1140 Furnace Back on Line
1320 Charged Furnace 2 Bags (Lw)
1440 Charged Furnace 2 Bags (Lw)
1550 Charged Furnace 1 Bag
16:40 Charged Furnace 1 Bag
1720 Added ~~#~~ lbs Soda Ash
17:30 Crucible Boiled over slag ran into fan & Motor
17:31 Made Pour - Furnace Down 139.45 Tr. oz
2105 Furnace on Line Charged 2 Bags Lot - 2-88-2
2130 Furnace down Unsafe

3-4-88

Lot 2-88-3 80.5 lbs Precip & Paper
Witness Gary Lindros
Witness Kevin N. Lindros

1000 Hrs Furnace on Line (2 Bag in from last night)
1010 Hrs Charge furnace 2 Bags 1 Lg 1 small
1115 Hrs Charge furnace 1 Large Bag
1145 Hrs Charge furnace 1 Large Bag (Ken S. Repaired Reset switch to Blower)
1225 Hrs Charge furnace 1 Large Bag
1425 Hrs Poured Smelt - good ~~Liquid~~ Viscosity
1428 Hrs Charged furnace - 3 Bags - Second half 2-88-2
15:00 Hrs Charged furnace - 3 Bags
15:45 Hrs Charged furnace - 1 Bag

Witness Pour 1425 Hours

64.71 Tr oz — Witness — [signature] — 64.71 Tr oz

Witness — [signature]

1610 Charged Furnace w/1 Bag

1740 Poured Smelt Lot 2-88-3 2nd half

Witness [signature] — 77.46 Tr oz

Witness C.E. Clancy

1743 Lot 2-88-3 Charged Furnace w/6 Small Bags

1830 Charged Furnace w/2 " "

1900 Charged Furnace w/2 " "

2100 Poured 1st Half Lot 2-88-3

Witness [signature] — 41.93 Tr oz

Witness

2203 Charged Furnace 7 Small Bags

2300 " " 3 Small Bags

2345 Chg. Furnace w/2 small bags pre-cipa

0025 Chg. Furnace w/2 small bags pre-cipa

0110 Chg. Furnace w/2 small bags pre-cipa

0150 Poured Smelt, weight 99.35 — 99.35

Witness [signature]

[signature]

3-6-88

0344 Lot 2-88-4 77.5 lbs Precip & Papers

Witness [signature]

Witness Kenneth Lindroo

3-6-88

0800 - Repaired air line to Furnace Blower GZ

0940 - Fired Furnace

0950 - Charged Furnace w/2 Bags (Large) (1st Half Lot 2-88-4)

1010 - " " w/1 Small Bag

3-6-88 Lot 2-88-4 (Continued)

1020 Charged Furnace w/2 Small Bags

1115 " " w/1 " "

1135 " " w/1 " "

1200 " " w/1 " "

1220 " " w/2 " "

1254 " " w/1 " "

1325 " " w/1 " "

1400 " " w/1 " "

1533 Poured Smelt Good Viscosity

Witness [signature] — 22.79 Tr oz

Witness [signature]

1535 Charged Furnace w/5 Small Bags (2nd Half Lot 2-88-4)

1600 " " w/1 " "

1635 " " w/15 lbs Slag

1700 " " w/1 Bag Small

1744 " " w/1 Small Bag

1800 " " w/1 " "

1820 " " w/1 " "

1850 " " w/1 " "

1920 " " w/1 " "

1955 " " w/1 " " Final Charge

2220 Poured Smelt

Witness [signature] — 44.66 Tr oz

Witness [signature]

Shipped To Englehard Toronto

3-9-88

Lot 2-88-5 29.5 Pounds Precip & Paper

Witness [signature]

Witness [signature]

P.B.R. Minerals

DATE — 3-10-88

0710 Fired furnace for warm-up
0725 chg furnace w/1-bkt. pre-cipa (approx. 40 Lbs.)
0815 chg furnace w/½ bkt. pre-cipa
0930 chg. furnace w/1-bkt pre-cipa
1100 chg. furnace w/1-bkt pre-cipa
1230 chg furnace w/1-bkt. pre-cipa
1350 chg furnace w/1-bkt. pre-cipa (Final chg.)

39½ Lbs Pre-cipa
80 Lbs. Borax
60 Lbs. Silica — Time 6 hrs. 40 min
35 Lbs. Soda Ash
214½ Total

1730 Poured sheet Lot # 2-88-5
viscosity like water
weight #6.4 weight — T.O. 149.48
witness [illegible]
witness [illegible]

Date: 3-13-88

Lot 2-88-6 58.5 Pounds Precip. & Paper
Witness [illegible]
Witness [illegible]

P.B.R. Minerals
Tombstone Az.

DATE — 3-13-88

2310 Fired furnace for warm-up
2400 chg. furnace w/1-bkt. pre-cipa Lot # 2-88-6
0040 chg. furnace w/1-bkt. pre-cipa (approx. 40 Lbs.)
0150 chg. furnace w/1-bkt. pre-cipa (Final chg.)

20 Lbs. pre-cipa
39 Lbs. Borax
29 Lbs. Silica — Time 6 hrs. 5 min.
20 Lbs. Soda Ash
108 Total per pour

0515 Poured sheet
Viscosity like water
weight 13 oz. — T.O. #6 11.85
witness — [illegible]
witness — [illegible]

161.33

0520 chg furnace w/2-bkts. pre-cipa Lot # 2-88-6
0555 chg furnace w/1-bkt. pre-cipa (Final chg.)

Flux same as above
Time 3 hrs. 15 min

0830 Poured sheet
~~#5~~ water viscosity - weight 1 lb 12 oz #2 35.52 T.O.
witness — [illegible]
witness — [illegible]

184.83

0835 chg furnace w/2-bkts. pre-cipa Lot # 2-88-6
0910 chg furnace w/1-bkt. pre-cipa (Final chg.)
Flux same as above

1055 Poured smelt
viscosity like water
~~witness~~ weight 18 oz
witness [illegible]
witness [illegible]
Time - 2 hrs. 20 min.

Total for Lot = 49.22
#3 11.85 T.O.
198.70

March 15th 1985

Lot # 2-85-8
89 Lbs. pre-cips + papers
witness [illegible]
witness [illegible]

0825 Lit furnace for warm-up
0930 chg. furnace w/1-bkt. pre-cips (approx. 40 Lbs)
1040 chg. furnace w/1-bkt. pre-cips
1125 chg. furnace w/1-bkt. pre-cips (final chg)

23 Lbs. pre-cips
45 Lbs. Borax
34 Lbs. Silica
18 Lbs. Soda Ash

1430 Poured smelt
viscosity like water
weight 10 oz
Time - 5 hrs.
witness - [illegible]
witness - [illegible]

#1 16.40 T.O.
215.10

P.B.R. Minerals
Cornstone Ar.

1435 chg. furnace w/2-bkts. pre-cips (2-88-8)
1515 chg. furnace w/1-bkt. pre-cips (Final chg.)
Flux same as above

1700 Poured smelt
viscosity like water
weight 7 oz.
Time - 3 hrs. 30 min.
witness - [illegible]
witness - [illegible]

#2 5.68 T.O.
220.28

1805 chg. furnace w/2-bkts. pre-cips (2-88-8)
1850 chg. furnace w/1-bkt. pre-cips (Final chg.)
Flux same as above

2030 Poured smelt
viscosity like water
weight 4 oz.
Time - 2 hrs. 25 min.
witness - [illegible]
witness - [illegible]

#3 3.6 T.O.
224.42

2035 chg. furnace w/2-bkt. pre-cips (2-88-8)
2120 chg. furnace w/1-bkt. pre-cips (final chg)
Flux same as above

2300 Poured smelt
viscosity like water
weight 5 oz.
Time 2 hrs. 25 min.
witness - [illegible]
witness - [illegible]

Total for Lot 30.24
#4 4.56
228.88

Shipped to Englehard Indust.

P.B.R. Minerals
Tombstone Az.

3-17-88

Lot 2-88-9 60.5 Pounds Paper & Paper
Witness [illegible]
Witness [illegible]

Lot # 2-88-10 26 1/2 Lbs pre-cipa & papers
Time 1040 witness - [illegible]
3/18/88 witness - [illegible]

3-18-88

0430 Lit furnace for warm-up
0515 chg furnace w/1-bkt. pre-cipa (Lot # 2-88-9)
0650 chg furnace w/1-bkt. pre-cipa
0835 chg furnace w/1-bkt pre-cipa (Final chg)

20 Lbs. pre-cipa
41 Lbs. Borax
30 Lbs. Silica
25 Lbs. Soda Ash.

1130 Poured smelt
viscosity like water
weight 2 Lbs 4 1/2 oz. T.Dwt #33.28
Time - 7 hrs
witness - [illegible]
witness - [illegible]

1135 chg furnace w/2-bkts pre-cipa (Lot 2-88-10)
1310 chg furnace w/1-bkt. pre-cipa (final chg)

Flux same as above

P.B.R. Minerals
Tombstone Az.

1430 Poured smelt
viscosity like water
weight 11 Lb. 13 oz. #226.43
Time 2 hrs. 55 min
witness - [illegible]
witness - [illegible]

(59.71)

1435 chg furnace w/2-bkts pre-cipa (2-88-9)
chg furnace w/1-bkt. pre-cipa (Final chg)

Flux same as above

1730 Poured smelt
viscosity like water. Time 2 hrs. 55 min
weight 1 Lb. 4 oz. #3 18.23 T.O.
witness - [illegible]
witness - [illegible]

(77.94)

1735 chg furnace w/2-bkts. pre-cipa (Lot 2-88-10)
1750 chg furnace w/1-bkt. papers
1810 chg furnace w/1-bkt. pre-cipa
1850 chg furnace w/1-bkt. pre-cipa
1925 chg furnace w/1/2 bkt. pre-cipa
1945 chg furnace w/1/2 bkt. pre-cipa (final chg.)

26 Lbs. pre-cipa
52 Lbs. Borax
20 Lbs. Silica Sand
20 Lbs. D.E.
26 Lbs. Soda Ash
Total 144 Lbs.

77.84

P.B.R. Minerals
Tombstone Az.

2100 POURED SMELT
viscosity LIKE WATER — T.O.
weight 2 Lbs 4 oz. — 32.81
Time - 3 hrs. 25 min.
witness [illegible]
witness - [illegible]

(110.75)

March 21st 1985

0450 Lit furnace for warm up w/ sump dregs + slag
1100 POURED SMELT
viscosity LIKE WATER — T.O.
weight 160 5.5 oz. — 19.60
Time 4 hrs 20 min.
witness - [illegible]
witness - [illegible]

(130.35)

1105 chg furnace w/ 2 - BKTS. pre-cips (LOTS # 7-11-12)
1145 chg furnace w/ 1 - BKT. pre-cips
1215 chg furnace w/ 1/2 BKT pre-cips (final chg.)

15 Lbs. pre-cips
30 LBS. BORAX
11 LBS. D.E.
11 LBS. SILICA SAND
15 LBS. SODA ASH

1305 POURED SMELT
viscosity - WATER — #1 T.O.
weight 1 Lbs 4 1/2 oz. — 18.69
Time - 2 hrs.
witness - [illegible]
witness - [illegible]

(149.04)

P.B.R. Minerals
Tombstone Az.

1310 chg. furnace w/ 2 - BKTS. pre-cips (LOTS # 7-11-12)
1345 chg furnace w/ 1 - BKT. pre-cips
1405 chg furnace w/ 1/2 BKT pre-cips (final chg.)

FLUX SAME AS ABOVE

1510 POURED SMELT
viscosity LIKE WATER — T.O.
weight 2 LBS — #2 29.12
Time 2 hrs
witness - [illegible]
witness - [illegible]

(178.20)

MARCH 22nd 1985

0700 fired furnace for warm-up.
0720 chg furnace w/ 1 - BKT. pre-cips (LOTS # 7-11-12)
0825 chg furnace w/ 1 - BKT pre-cips
0950 chg furnace w/ 1 - BKT. pre-cips
1040 chg furnace w/ 1/2 BKT. pre-cips
1125 chg furnace w/ 1 - BKT pre-cips (FINAL chg.)

30 LBS. pre-cip - papers
60 LBS. BORAX
45 LBS. SILICA
30 LBS. SODA ASH

1410 POURED SMELT
viscosity LIKE WATER — T.O.
weight 2 LBS. 8 oz. — #3 36.40
Time - 7 hrs, 10 min.
WITNESS - [illegible]
WITNESS - [illegible]

(214.60)

SHIPPED TO ECKERHARD INDUST.

MARCH 24th 1988

0650 fired furnace for warm-up.

0835 weighed Lot # 1-88-7 (1-2) 22 3/4 Lbs. pre-cips + papers
witness - [illegible]
witness - [illegible]

22 3/4 Lbs. pre-cip + papers
46 Lbs. Borax
3.5 Lbs. Silica
25 Lbs. Soda Ash
128 Lbs. Total

0855 chg furnace w/1-bkt. pre-cips + all papers
1010 chg furnace w/1-bkt. pre-cips
1145 chg furnace w/1-bkt. pre-cips
1220 chg. furnace w/ 1/2 bkt pre-cips. (Final chg.)
1500 poured shelt
viscosity like water
weight 5 Lbs. even
Time - 8 hrs. 10 min
witness - [illegible]
witness - [illegible]

T.D. 72.91

MARCH 25, 1988

0630 Lit furnace for warm-up

Lot # 2-88-7 1/2 3-88-12 pre-cips 24 pcs.
witness - [illegible]
witness - [illegible]

0920 chg furnace w/1-bkt. pre-cips + all papers

0940 chg furnace w/1/2 bkt. pre-cips
1110 chg furnace w/1-bkt. pre-cips
1130 chg furnace w/1-bkt. pre-cips (final chg)

24 Lbs. pre-cips
48 Lbs. Borax
36 Lbs. Silica
24 Lbs. Soda Ash

1445 Poured Shelt
viscosity like water
weight 5 Lbs. even
Time - 8 hrs. 15 min
witness - [illegible]
witness - [illegible]
witness -

T.D. 29.10
102.08

MARCH 28, 1988

0415 fired furnace for warm up

Lot # 3-88-13 pre-cip + papers, weight 21 Lbs.
witness - [illegible]
witness - J. McCrink

0540 chg. furnace w/1-bkt. pre-cips + all papers
0650 chg furnace w/1-bkt. pre-cips
0825 chg furnace w/1-bkt pre-cips (Final chg.)

21 Lbs. P.C.
42 Lbs. Borax
32 Lbs. Silica
21 Lbs. Soda Ash
116 Lbs. Total

P.B.R. Minerals
Cornstone Az.

1130 Poured Sheet
Viscosity like water
Time - 7 hrs. 15 min.
Weight 4 oz.
Witness - [illegible]
Witness - [illegible]

T.O. 3.64
105.72

Lot # 3-88-14/15 Pre-cips + papers - weight - 51 Lbs.
Witness - [illegible]
Witness - [illegible]

1135 chg. furnace w/2 bkts. pre-cips + all papers
1200 chg. furnace w/1 bkt. pre-cips
1345 chg furnace w/1 bkt. pre-cips (Final chg)

25 Lbs. pre-cips
51 Lbs. Borax
39 Lbs. Silica
26 Lbs. Soda Ash

1610 Poured Sheet
Viscosity like water
Time 4 hrs. 40 min.
Weight 2 lbs. 6 oz.
Witness - [illegible]
Witness - [illegible]

T.O. 34.63
140.35

1615 chg furnace w/2½ bkts. pre-cips (Lots # 3-88-14/15)
1745 chg furnace w/1 bkt. pre-cips (Final chg.)

Flux same as above
5015 Poured Sheet

P.B.R. Minerals
Cornstone Az.

Viscosity like water
Time - 4 hrs.
Weight 1 lb. 4 oz.
Witness - [illegible]
Witness - [illegible]

T.O. 2.18.23
158.55

March 29th 1988

0710 fired furnace for warm up
Lot # 3-88-15/16 Pre-cip + papers weight 26½ Lbs.
Witness - [illegible]
Witness - [illegible]

1100 chg furnace w/2 bkts pre-cips + all papers
1150 gas co. turned off gas to make change-over.
1208 gas back on.
1440 chg. furnace w/1 bkt pre-cips
1530 chg. furnace w/1 bkt. pre-cips (final chg)

26½ Lbs pre-cips
54 Lbs. Borax
41 Lbs. Silica
27 Lbs Soda Ash
148½ Total

1700 Poured Sheet
Viscosity like water
Time 9 hrs 50 min.
Weight 3 lbs. 11 oz.
Witness - [illegible]
Witness - [illegible]

T.O. 53.78
212.36

Shipped to Englehard Tandust

P.B.R. Minerals
Tombstone Az.

March 30th 1985

0700 fired furnace for warm-up

Lots # 1/17 pre-cips + papers 39 Lbs.
witness - [illegible]
witness - [illegible]

1210 chg. furnace w/1-bkt. pre-cips + all papers
1225 chg. furnace w/1/2 bkt. pre-cips
1235 chg. furnace w/1 bkt. pre-cips (final chg)

20 Lbs. pre-cips
40 Lbs. Borax
30 Lbs. Silica
20 Lbs. Soda Ash.

1615 Poured Shelf
viscosity like water
Time 9 hrs. 15 min.
weight 3 Lbs. 10 oz. #1 T.O. 52.86
witness - [illegible]
witness - [illegible]

1620 chg. furnace w/2-bkts. pre-cips
chg. furnace w/1/2 bkt. pre-cips (final chg)
Flux, same as above

1945 Poured Shelf
viscosity like water
Time 3 hrs 30 min
weight 2 Lbs. even #2 T.O. 29.17
witness - [illegible]
witness - [illegible]

(82.03)

P.B.R. Minerals
Tombstone Az.

March 31st 1985

0715 fired furnace for warm-up.

Lots # 17/18 pre-cips + papers weigh 34 Lbs.
witness - [illegible]
witness - [illegible]

0845 chg. furnace w/1-bkt. pre-cips + all papers
1000 chg. furnace w/1/2 bkt. pre-cips
1120 chg. furnace w/1-bkt. pre-cips
1315 chg. furnace w/1-bkt. pre-cips
1430 chg. furnace w/1-bkt. pre-cips (final chg)

34 pds pre-cips + papers
68 pds Borax
51 pds Silica
34 pds Soda Ash

1710 Poured Shelf
viscosity like water
Time - 10 hrs 55 min.
weight 2 Lbs. 3 oz. T.O. 31.90
witness - Benjamin
witness - [illegible]

(113.93)

NEW CRUCIBLE 4-1-88

07:30 Fired Furnace for Warm up Lots # 18/20 - PRECIPS + PAPPERS 38 1/2 - 165
09:45 Chg Furnace w/3 1/2 BAGS - PRE CIPS WITNESS - [illegible]
10:45 Chg Furnace w/1 BAG + PAPPER'S WITNESS -
11:40 Chg Furnace w/~~1 BAG~~
12:10 Chg Furnace w/1 BAG

P.B.R. MINERALS
TOMBSTONE AZ.

15:10 POURED SMELT

Time - 7 hr. 40 MIN
WEIGHT - 21 lbs. 7 oz
WITNESS -
WITNESS -

34 LBS PRECIPS
68 LBS - Borax
51 lbs Silica
34 lbs Soda ASH

34.85 T.D.
25.47
(148.19)

April 4th 1988

Lot #3-88-21 weighed 33 LBS. (papers inc.)
WITNESS -
WITNESS -

0710 fired furnace for warm up.
0845 chg. furnace w/1-BKT. pre-cips + all papers
0965 chg. furnace w/1-BKT. pre-cips
0950 chg. furnace w/1-BKT. pre-cips
11 00 chg. furnace w/1-BKT pre-cips
12 25 chg. furnace w/1-BKT pre-cips (final chg.)

33 LBS pre-cips
66 LBS. Borax
50 LBS. Silica
33 LBS. Soda Ash

1400 POURED SMELT
viscosity LIKE WATER
Time 6 hrs. 50 min.
WEIGHT 6 LBS 14 oz
WITNESS -
WITNESS -

T.D.
100.26
(249.67)

↑ SHIPPED TO Englehard INDUST ↑

P.B.R. MINERALS
TOMBSTONE AZ.

April 5th 1988

Lot #3-88-22 pre-cips + papers weigh 23½ LBS.
WITNESS -
WITNESS -

0700 fired for warm up
0815 chg. furnace w/1-BKT pre-cips + all papers
0900 chg. furnace w/1-BKT. pre-cips
1025 chg. furnace w/1-BKT pre-cips (final chg.)

23½ LBS. pre-cips + papers
48 LBS. Borax
36 LBS. Silica
24 LBS. Soda Ash

1300 POURED SMELT
viscosity LIKE WATER
Time 6 hrs.
WEIGHT 4 LBS 29 oz
WITNESS -
WITNESS -

T.D.
80.15

April 6th 1988

0700 fired furnace for warm up.
Lot #3-88-23 PRE-CIP WEIGHT - 22 LBS.
PAPERS WEIGH - 5 LBS.
WITNESS -
WITNESS -

NEXT page

P.B.R. Minerals

Cornstone Az.

0830 chg. furnace w/2 BKT. pre-cipa + All papers
1130 chg furnace w/1 BKT pre-cipa (final chg)

22 Lbs. pre-cipa
5 Lbs. papers
44 Lbs. Borax
33 Lbs. Silica
22 Lbs. Soda Ash

1330 Poured Smelt
viscosity Like water
Time 6 hrs. 30 min.
weight 4 Lbs. 12 Oz. T.O. 69.27
witness - [illegible]
witness [illegible] 129.42

April 7th 1988

0800 fired furnace for warm-up

Lot # 3-88 24 pre-cipa weigh 22 Lbs. - Papers - 2 Lb.
witness - [illegible]
witness - [illegible]

0900 chg. furnace w/1 BKT. pre-cipa + All papers
0930 chg. furnace w/1 BKT. pre-cipa
1125 chg. furnace w/1 BKT pre-cipa (Final chg)

22 Lbs. pre-cipa
44 Lbs. Borax
33 Lbs. Silica
22 Lbs. Soda Ash

P.B.R. Minerals

Cornstone Az.

1330 poured smelt
viscosity Like water
Time - 5 hrs. 30 min.
weight 5 Lbs. 1 oz. T.O. 73.83
witness - [illegible]
witness - [illegible] 303.25
Shipped To Englehard Indust.
April 8th 1988

0745 fired furnace for warm-up.

Lot # 25-24 pre-cipa weigh 13 Lbs.
papers weigh 6 Lbs.
witness - [illegible]
witness - [illegible]

0900 chg. furnace w/2 BKT. pre-cipa + All papers. (Final chg)

13 Lbs. pre-cipa
6 Lbs. papers
26 Lbs. Borax
20 Lbs. ~~Soda Ash~~ Silica
13 Lbs. Soda Ash

1300 Poured Smelt
viscosity like water
Time 5 hrs. 15 min
weight 3 Lbs. 7 oz. T.O. 49.43
witness - [illegible]
witness - [illegible]

P.B.R. Minerals

Cornstone, Az.

Lot # 3-85-25 & 19

27 LBS PRECIPS

9 LBS PAPERS

WITNESS [illegible]

WITNESS [illegible]

April 11th 1985

0700 fired furnace for warm-up.

0720 chg. furnace w/1-BKT. pre-cips + all papers.

0745 chg. furnace w/1½ BKT. pre-cips

0845 chg. furnace w/1-BKT. pre-cips

1015 chg. furnace w/1-BKT. pre-cips (Final chg)

27 LBS. pre-cips

9 LBS. papers

54 LBS. Borax

41 LBS. Silica

27 LBS. Soda Ash

1400 Poured Melt

Viscosity

Time - 7 hrs

Weight - 5 LBS. 13 oz. T.D. 84.76

Witness - [illegible]

Witness - [illegible] (134.19)

P.B.R. Minerals

Cornstone Az.

April 11th 1985

Lot # 3-85-19 pre-cips weigh 9 LBS

papers weigh 6 LBS.

Witness - [illegible]

Witness - [illegible]

1400 chg. furnace w/1½ BKT. pre-cips + all papers (Final chg)

9 LBS. pre-cips

6 LBS. papers

18 LBS. Borax

14 LBS. Silica

9 LBS. Soda Ash

1630 Poured Melt

Viscosity like water

Time - 2 hrs 25 min

Weight - LBS. 14 oz. 27.34

Witness - [illegible]

Witness - [illegible] (161.53)

P.B.R. Minerals
Tombstone Az.

April 12th 1988

0705 fired furnace for warm-up.

Lot # 3-88-19 pre-cipa weigh 9 Lbs.
papers weigh 6 Lbs.
witness - [signature]
witness [signature]

0805 chg. furnace w/1½ bkts. pre-cipa + all papers (Final chg)

9 Lbs. pre-cipa
15 Lbs. Borax
14 Lbs. Silica
9 Lbs Soda Ash

1200 Poured Shot
viscosity like water
Time 5 hrs. 5 min
weight 12.5 oz. 11.39 Tot.
witness - [signature]
witness - [signature]
172.92
↑ Shipped To Engelhard Tucson ↑

April 13th 1988

0700 fired furnace for warm up

Lot # N-88-07 Pre-cipa weigh 9 Lbs.
papers weigh 8 Lbs.
witness - [signature]
witness - [signature]

P.B.R. Minerals
Tombstone Az.

0820 chg. furnace w/1½ bkts. pre-cipa + all papers (final chg.)

9 Lbs. pre-cipa
8 Lbs. papers
18 Lbs. Borax
14 Lbs. Silica
9 Lbs. Soda Ash

1300 Poured Shot
viscosity like water
Time - 4 hrs.
weight 3 Lbs. 8½ oz. 51.50 Tot.
witness - [signature]
witness - [signature]

April 14th 1988

0650 fired furnace for warm-up

Lot # 4-88-27 pre-cipa weigh 11½ Lbs.
papers weigh 5½ Lbs.
witness - [signature]
witness - [signature]

0910 chg. furnace w/1¾ bkts. pre-cipa + all papers. (Final chg)

11½ Lbs. pre-cipa
5½ Lbs. papers
23 Lbs. Borax
20 Lbs. Silica
12 Lbs. Soda Ash.

P.B.R. Minerals

Tombstone Az.

13:00 Poured Smelt
Viscosity like water
Time 6 hrs 10 min.
Weight 1 hr 12 g — 25.70 T.O.
Witness - [illegible]
Witness - [illegible] (75.20)

April 15th 1988

Lot # 4-88-28 ~~weigh~~ pre-cips weigh - 39 lbs.
papers weigh - 6½ lbs.
Witness - [illegible]
Witness - [illegible]

07:15 fired furnace for warm up.
08:25 chg. furnace w/1-bkt. pre-cips and all papers
09:25 chg furnace w/1-bkt pre-cips.
11:15 chg furnace w/1-bkt. pre-cips
12:55 chg furnace w/1-bkt. pre-cips
14:30 chg. furnace w/1-bkt. pre-cips (Final chg)
17:00 Poured Smelt
viscosity like water
Time 6 hrs. 45 min.
Weight 5 lbs. even — 72.50 T.O.
Witness - [illegible]
Witness - [illegible] (143.10)

07:10 Fired Furnace for warm up APRIL-16-17-88
Lot # 4-88-28 & 29 - pre-cip weight — 32½
Witness papers - weight - 9 -
09:45 Chg Furnace w/3-bags - pre-cips + papers
10:35 Chg Furnace w/1-bag - pre-cips
1:25 Chg Furnace w/1-bag - pre-cips
2:25 Chg Furnace w/1-bag - pre-cips
3:50 Chg Furnace w/½-bag pre-cips

P.B.R. Minerals

Tombstone Az.

14:00 Chg-Furnace w/1-bag pre-cips -
32½ lbs pre-cips
66 lbs - Borax
50 lbs - Silica
33 lbs - Soda Ash
17:30 Poured Smelt
Viscosity like water
Time 10 hrs 20 mins T.O.
Weight 55.46 55.46
Witness [illegible] (203.55)
Witness [illegible]

April-17th-1988
Lot # 29+30 pre-cips weight — 27 lbs
papers weight — 5 lbs
Witness — [illegible]
Witness — [illegible]

07:15 Fired Furnace for warm up
09:50 Chg Furnace - w/2-bkt - pre-cips and all papers — 27 lbs - pre-cips
10:45 Chg Furnace - w/1-bkt pre-cips — 5 lbs - papers
11:05 Chg Furnace - w/1 bkt pre-cips — 54 lbs - Borax
12:45 Chg Furnace - w/1 bkt pre-cips — 41 lbs - Silica
13:20 Chg Furnace - w/1 bkt pre-cips - (Final chg) — 27 lbs - Soda Ash
Poured Smelt
Viscosity like water
Time - 9 hrs - 15 minutes
Weight - 35.51
Witness [illegible] (238.15)
Witness [illegible]

P.B.R. Minerals
Cornstone Az.

April 18, 1988

0655 fired furnace for warm-up.
lot # 28-29/30 pre-cips weigh 21 LBS.
papers weigh 6½ LBS.
witness - [illegible]
witness - [illegible]

0810 chg furnace w/2 BKTS. pre-cips + All papers
11 05 chg furnace w/1-BKT. pre-cips
11 30 chg furnace w/½ BKT pre-cips (Final chg)
1330 Poured melt
viscosity like water
Time 6 hrs 35 min.
weight 0 LBS. 12 oz
witness [illegible]
witness - [illegible]
SHIPPED TO ENGLHARD FIRST

T.C.
11.39
950.51

April 19th 1988

0640 fired furnace for warm-up
lots # 29 + 31 pre-cips weigh 36 LBS.
papers weigh 9 LBS.
witness - [illegible]
witness - [illegible]

0915 chg furnace w/2-BKTS. pre-cips + all papers
11 10 chg furnace w/1-BKT. pre-cips
12 10 chg furnace w/1-BKT. pre-cips
1320 chg furnace w/1-BKT. pre-cips

P.B.R. Minerals
Cornstone Az.

1445 chg furnace w/1-BKT. pre-cips (final chg)
36 LBS. pre-cips
9 LBS. papers
72 LBS. Borax
54 LBS. Silica
36 LBS. Soda Ash

1615 Poured melt
viscosity like water
Time 9 hrs. 30 min.
weight 3 LBS. 14 oz.
witness - [illegible]
witness - [illegible]

T.C.
41.93

April 20th 1988

0705 fired furnace for warm up
lot # 29-30 pre-cips weigh 37½ LBS.
papers weigh 7 LBS.
witness - [illegible]
witness - [illegible]

0830 chg furnace w/2 BKTS. pre-cips + all papers
1035 chg furnace w/1-BKT pre-cips
1155 chg furnace w/1-BKT pre-cips
1350 chg furnace w/1-BKT. pre-cips (final chg)
37½ LBS pre-cips
26 LBS. Borax
52 LBS. Silica
38 LBS Soda Ash
2 LBS. Papers

P.B.R. Minerals
Cornerstone Az.

1600 Poured Shelf
viscosity like water
Time - 5 hrs. 55 min.
weight 2 lbs. 15 oz
witness - [illegible]
witness - [illegible]

April 21st 1955

0611 fired furnace for warm-up

Lot# 20431 pre-cips weight 42½ lbs.
papers weight 6 lbs.
witness - [illegible]
witness - [illegible]

0910 chg furnace w/2 BKTS pre-cips + all papers
0910 chg furnace w/1 BKT pre-cips
1105 chg furnace w/1 BKT pre-cips
1300 chg furnace w/½ BKT pre-cips
1350 chg furnace w/½ BKT pre-cips
1450 chg furnace w/½ BKT pre-cips
1530 chg furnace w/½ BKT pre-cips (Final chg.)

42½ lbs. pre-cips
6 lbs. papers
85 lbs. Borax
66 lbs. Silica
43 lbs. Soda Ash

1200 Poured Shelf
viscosity like water
Time - 10 hrs. 50 min.

P.B.R. Minerals
Cornerstone Az.

weight 1 lb 10½ oz.
witness - [illegible]
witness - [illegible]

April 22nd 1955

0605 fired furnace for warm up.

Lots 31433 pre-cips weigh - 40 lbs
papers weight - 6 lbs
witness - [illegible]
witness - [illegible]

0732 chg furnace w/2 BKTS pre-cips + all papers
0925 chg furnace w/1 BKT pre-cips
1050 chg furnace w/1 BKT pre-cips
1230 chg furnace w/1 BKT pre-cips
1320 chg furnace w/1 BKT pre-cips (final chg)

40 lbs. pre-cips
6 lbs. papers
50 lbs. Borax
60 lbs. Silica
40 lbs. Soda Ash

1535 Poured Shelf
viscosity like water
Time 9 hrs. 30 min
weight 2 lbs 1 oz
witness - [illegible]
witness - [illegible]

1335

P. B. R. Minerals

Tombstone Az.

April 24th 1985

fired furnace for warm up

NEW CRUCIBLE 4-24-1985

LOT # -33-34 PRECIPS - WEIGHT - 33 LBS

PAPER - WEIGHT - 10 LBS

WITNESS [illegible]

WITNESS [illegible]

07.00 fired furnace for warm up

0725 Chg furnace w/1½ BKT - Pre-cips + PAPERS

0850 Chg furnace w/1 BKT - Pre-cips

10.00 Chg furnace w/1 BKT - Pre-cips

1120 Chg furnace w/1 BKT - Pre-cips

13.00 Chg furnace w/½ BKT - Pre-cips

1340 Chg furnace w/½ BKT - Pre-cips

33 LBS - PRE-CIPS

66 LBS - BORAX

50 LBS - SILICA

33 LBS - SODA ASH

16.00 POURED SMELT

VISCOSITY LIKE WATER

TIME 9 min.

T.C.

WEIGHT - [illegible]

23.00

WITNESS [illegible]

(102 oz)

WITNESS [illegible]

(9 oz)

April 25th 1985

0645 fired furnace for warm-up

LOT # 35 pre-cips weight 44½ LBS.

papers weight 12½ LBS.

WITNESS - [illegible]

WITNESS - [illegible]

P. B. R. Minerals

Tombstone Az.

0720 chg furnace w/1 BKT pre-cips + ALL PAPERS

0845 chg furnace w/1 BKT pre-cips

1015 chg furnace w/1 BKT pre-cips

1120 chg furnace w/1 BKT pre-cips

1240 chg furnace w/1 BKT pre-cips

MISC. ASSAYS

Date	Sample ID			Reading Au	Ag	oz/TON Au	Ag
2-4-88	~~#9~~ Sand Discharge			Tr	.018	Tr	~~.72~~ .72
✓	Oversize #9	0'	West	Tr	.002	Tr	.08
✓	✓ #10	25'	"	Tr	.004	Tr	.16
✓	✓ #11	50'	"	Tr	.003	Tr	.12
✓	✓ #12	75'	"	Tr	.017	Tr	.68
✓	✓ #13	100'	"	Tr	.002	Tr	.08
✓	✓ #14	125'	"	Tr	.003	Tr	.12
✓	✓ #15	150'	"	Tr	.001	Tr	.04
✓	✓ #16	175'	"	Tr	.003	Tr	.12
✓	✓ #17	200'	"	Tr	.005	Tr	.20
✓	✓ #18	225'	"	Tr	.001	Tr	.04
✓	✓ #19	250'	"	Tr	.002	Tr	.08

Sample wt	3-1-88			Dore	Au		Au	Ag
1.569	Lot 2-88-1	Head	C	10.04 mg	.71	173.44	13.20	173.4
1.583	Lot 2-88-1	Tail	C	1.23	.18	9.33 1.05	3.32 ~~19.35~~	19.35
1.526	Lot 2-88-2	Head	C	9.48 mg	.64	8.84	11.79	168.9
0.1 AT	Precip 2-88-1		705.00	7050.00	377.80	3.525 oz/lb	~~86.655 oz/lb~~ 0.1889 oz/lb	
0.1 AT	✓ 2-88-1		643.00	6430.00	345.00	3.215 oz/lb	0.1725 oz/lb	
1.514	Lot 2-88-3	Head	C	10.37 mg	.74	9.63	14.26	186.
1.503	Lot-2-88-2	Tail	1.46	~~1.46~~ .22	1.24	1.24	4.26	24.6
1.512	~~Lot 2-88-3~~ Carbon Assays	~~Head~~	~~1.84~~	~~7.64~~ .56	7.08 ~~.56~~	~~10.80~~	~~10.80~~	~~136.~~
1.501	Lot-2-88-3	Tail	1.43	.39	1.04	7.58	20.21	
1.511	Lot 2-88-4	Head	7.62	.42	7.20 ~~.36~~	8.107	138.98	
1.532	Lot 2-88-4	Tail	1.98	.20	1.78	3.81	13.89	
1.594	Lot 2-88-5	Head	8.36	.47	7.89	8.60	152.97	
1.508	Lot 2-88-5	Tail	2.49	.18	2.31	3.48	44.66	

		Sample Wt	Doré	Mg Au	Mg Ag	Au	Ag
	Precip Lot 2-88-5	~~1.007~~ .1	.290	16.90	273.10	169.00	2731.00
	" "	.1	.291	16.82	274.18	168.20	2741.80
	Precip Lot 2-88-6	.1	.697	36.29	660.71	362.90	6607.10
	" "	.1	.695	38.01	656.99	380.10	6569.90
	Engelhard 41390	1.007	.789	46.57	742.43	4.624	~~74.243~~ 73.726
	Lot 2881 - 288-4	1.004	.787	46.37	741.63	4.619	73.788
	Au 4.890 %	1.000	.790	45.68	744.32	4.568	74.432
	Ag 76.665 %	1.017	.796	47.50	748.50	4.671	73.599
	% Doré 81.555	1.005	.786	47.72	738.28	4.748	73.461
3-15-88	Head 2-88-6	1.465	6.95	0.48	6.47	9.56	128.81
—	Tail 2-88-6	1.611	3.02	0.15	2.87	2.72	51.96
—	Head 2-88-8	1.552	7.11	0.41	6.70	7.71	125.91
—	Tail 2-88-8						
—	Carbon fines (6 Tonner)	1.887	2.22	.08	2.14	1.24	33.08
—	Precip Lot 2-88-7	0.1 AT	134.00	11.49	1225.10	114.90	1225.10
—	Precip Lot 2-88-6	0.1 AT	303.00	24.30	2787	243.00	2787.00
3-18-88	2-88-8 Tails	1.432	3.34	.24	3.10	4.88	63.14
—	2-88-9 Head	1.652	7.72	.38	7.34	6.71	129.59
—	2-88-9 Tail	1.601	3.31	.22	3.09		
—	3-88-10 Head	1.860	6.81	.56	6.25	8.78	~~98.~~ 98.01
—	2-88-8 Reactivated Tails	1.648	2.87	.20	2.87	3.50	50.79
—	Precip Lot 2-88-9	~~4130~~ 0.1	4130	109.50			
—	Precip Lot 3-88-10	~~2210~~ 0.1	2210	67.22			

DATE ~~3-21-88~~	SAMPLE	SAMPLE WT	DORE	mg Au	mg Ag	Au	Ag
3-21-88	HEADS - G TOWER	1.514 g	6.38	.39	5.99	7.51	115.40
" "	TAILS - 3-88-11	1.501 g	2.90	.26	2.70	5.05	52.47
" "	HEADS In (3-18-88) 3-88-12	1.510 g	7.46	.61	6.85	11.78	199.79
" "	TAILS (3-18-88) 3-88-12	1.546 g	3.61	.37	3.24	6.98	61.13
" "	PRECIPS Lot 3-88-11	2.916 g	2010	52.36	1957.64		
3-23-88	3-88-11 Head	1.548	7.45	.68	6.77	12.81	127.56
—	3-88-11 Tails	1.546	3.67	.28	3.39	5.28	63.96
—	3-88-12 ~~Tails~~ Head	1.509	6.32	.50	5.82	9.63	112.49
—	3-88-12 Tails	1.639	4.01	.21	3.70	3.74	65.84
—	BT 1 Head	.5	.76	.015		.015	.74
—	BT 2 "	.5	.52	.020		.020	.50
—	BT 3 "	.5	.70	.010		.010	.69
—	BT 4 "	.5	.84	TN		.010 ~~Tn~~	.24
—	BT 5 "	.5	1.23	.020		.020	1.21
—	~~J5 Sifted Very fine~~	~~.5~~	~~1.96~~ ing	~~Tn~~			
—	~~J5 Crushed Unsifted~~	~~.5~~	~~1.94~~	~~Tn~~			
—	~~ZN from Precip Pump~~	~~.1~~	~~1980~~	~~36.42~~			
—	~~Mike Karish~~	—	—	—			
— 1 ing	Jack sifted Very fine	0.5	.02	0.12		0.240	0.04
— 1 ing	Jack Crushed Unsifted	0.5	.34	0.035		0.110	0.68
—	Mike Karish	0.1	1.36 (1360)	.005 (.050)		13.55	0.050
—	Precip from Pump	0.1	1958.08 (195.80)	133.40 (13.34)			
	Blank with Ing	—	1.86	—			

			Wt	Dore'	Au (mg)	Ag (mg)	Au (oz/ton)	Ag (oz/ton)
3-28-88	2-88-7 (1)	Tails	1.478	3.26	.24	3.02		
✓	3-88-13	Head	1.534	5.14	.49	4.65	9.32	88.41
✓	✓	Tail	1.513	2.76	.26	2.50	5.01	48.19
✓	3-88-14	Head	1.418	5.00	.31	4.69	6.36	96.47
✓	✓	Tail	1.502	2.78	.18	~~3.50~~ 2.60	3.50	50.49
✓	Tails CN 0.1% Test (Tails)		1.512	0.96	.10	.86	~~16.55~~ 1.93	16.55
4-3-88	3-88-15	Head	1.537	4.96	.27	4.69	5.12	89.00
	✓	Tail	1.542	3.07	.14	2.93	2.65	55.42
	3-88-16	Head	1.571	5.27	.31	4.96	5.76	92.09
	✓	Tail	1.582	2.84	.17	2.67	3.13	49.23
	3-88-17	Head	1.526	4.77	.39	4.38	7.45	83.72
	✓	Tail	1.387	2.92	.22	2.70	4.63	56.78
	3-88-18	Head	1.545	5.17	.42	4.75	7.91	89.44
		Tail	1.530	2.76	.28	2.48	5.34	47.28
	3-88-20	Head	1.578	4.36	.29	4.07	5.36	75.23
	Tails CN 0.1% Test (Tails)		1.822	.56	.08	.48	1.28	7.68
	Head feed 1200	3-28-88	.5 AT	2.94	.040	2.90	.040	2.90
	Head feed 0500	3-28-88	.5 AT	0.54	.015	.53	.015	.53
	3-88-20	Tail (Carbon)	1.513	1.78	.020	1.76	0.385	33.93
	✓	✓	1.530	1.98	.025	1.96	0.476	37.36
	3-88-21	Head (Carbon)	1.532	9.12	.32	8.80	6.092	167.54
	✓	✓	1.561	9.30	.32	8.98	5.98	167.79
	0.1% Carbon Tails		1.533	1.29	.045	1.245	0.856	23.69
	✓		1.540	1.55	.045	1.505	0.852	28.50
	0.025% Carbon Tails		1.522	1.58	.060	1.52	1.15	29.13
	✓		1.520	1.34	.055	1.29	1.05	24.67
	0.05% Carbon Tails		1.887	1.42	.050	1.37	0.77	21.18
	✓		1.815	1.33	.045	1.29	0.72	20

	Date	Sample ID	Sample Wt	Doré	Mg wt Au	Mg wt Ag	oz/ton Au	oz/ton Ag
	4-3-88	Precip Lot 38812	.1	.399	27.31	371.69	.136/lb	1.86/lb
		" 38813	.1	367	52.31	314.69	.262/lb	1.57/lb
		" 38814	.1	.534	49.58	484.42	.247/lb	2.42/l
		" 38815	.1	.167	21.05	145.95	.105/lb	0.73/lb
		" 38816	.1	.393	39.87	353.13	.199/lb	1.76/l
		" 38817	.1	.808	62.43	745.56	.312/lb	3.72/
		Engelhard CN 41482	.999	.531	340.04 34.04	4969.60	3.44% ~~3.407~~	51.23
		"	1.006	.547	34.62	512.38	3.48%	52.46
		"	1.010	.533	36.61	511.28	3.66%	50.62
		"	.998	.522	35.47	501.12	3.55%	50.20
	4-4-88	3-88-21 Tails	1.788	1.54	.09	1.45	1.47	23.65
		"	1.798	1.91	.12	1.79	1.95	29.04
		3-88-22 Heads	1.639	4.63	.34	4.29	6.05	76.34
		"	1.646	5.33	.36	4.97	6.38	88.07
		Carbon 10	1.510	.72	.04	.68	0.77	13.13
		Carbon 7	1.576	1.19	.11	1.08	2.04	19.99
		Carbon 5	1.636	1.25	.14	1.11	2.50	19.79
	AA .003/.032	Preg Solution	10 A.T	.31	.025	0.285	.0025	.029
	Tri/.016	"G" Tower Solution	15 A.T.	.22	.005	0.215	.0003	.014
		Precip Lot 3-88-20	0.1 AT	559	63.67	495.33	636.70	4953.3
		Precip Lot 3-88-21	0.1 AT	943	88.22	854.78	882.20	8547.8
		Precip Lot 3-88-22	0.1 AT	894	67.91	826.09	679.10	8260.90
1	4-8-88	3-88-22 Tails	1.754	3.95	.13	3.82	2.16	63.52
2	"	3-88-23 Head	1.852	6.77	.36	6.41	5.67	100.95
3	"	3-88-23 Tail	1.775	1.82	.06	1.76	0.99	28.92
4	"	3-88-24 Head	1.774	6.03	.31	5.72	5.10	94.04
5	"	3-88-24 Tail	1.866	2.38	.24	2.14	3.75	33.45
6	"	3-88-25 Head	1.825	7.51	.40	7.11	6.39	113.63
7	"	3-88-25 Tail	1.823	1.88	.14	1.74	2.24	27.84
8	"	3-88-26 Head	1.770	5.07	.37	4.70	6.10	77.4

	Date	Sample ID	wt Sample	Doré	mg/wt Au	mg/wt Ag	oz/ton Au	oz/ton Ag
9	4-8-88	Precip Lot 23	0.1 AT	840	64.435	775.57	644.35	7755.70
10	✓	Precip Lot 24	0.1 AT	667	53.14	613.86	531.40	6138.60
11		Precip Lot 25	0.1 AT	1178	106.07	1071.93	1060.70	10,719.30
12		J.H. Special	0.5 AT	0.18	.005	.18	.005	.18
13		J.H. Special (INQ)	0.5 AT	3.71 0.18	.005	.13	.005	.18
4-11-88	1	3-88-25 Carbon ~~Tail~~ Head (●)	1.970	6.51	.33	6.18	4.86	91.50
	2	3-88-24 ~~Head~~ Tails	1.964	4.47	.10	4.37	1.49	64.90
	3	3-88-35 Tail	1.980	3.10	.05	3.05	0.74	44.93
	4	3-88-26 Head	2.071	5.82	.42	5.40	5.92	76.05
	5	Ernie Escaplule No 1	.5	3.22	0.26	0.08	0.52	0.16
	6	✓ ✓ No 2	.5	2.73	0.84	0.09	1.68	0.18
	7	✓ ✓ No 3	.5	3.51	1.45	~~0.04~~ 0.30	2.90	0.60
	8	✓ ✓ No 4	.5	2.39	0.57	0.02	1.14	0.04
	9	✓ ✓ No 5	.5	2.19	0.40	0.015	0.80	0.03
	10	✓ ✓ No 6	.5	3.76	1.66		3.32	0.17
	11	Engelhard CN 41520	1.053	.589	43.53 43.10	562.28 545.90	% 4.134	% 53.40
	12	✓ ✓	1.033	.575	41.23 40.82	538.21 534.18	3.991	53.26
	13	✓ ✓	1.039	.563	41.04 40.63	538.04 522.37	3.950	51.78
	14	Engelhard CN 41577	1.097	.668	73.69 72.86	612.89 595.04	6.720	55.87
	15	✓ ✓	1.086	.652	~~71.38~~	Lost Sample	—	
	16	✓ ✓	1.105	.663	72.09 71.38	609.37 591.62	6.52	55.15
		Special	0.43 gm	—	—	—	—	—
1	4-12-88	Tails Lot 3-88-19	1.629	3.82	.01	3.81	0.18	68.22
2	✓	Head Lot 4-88-27	1.637	3.92	.28	3.64	4.99	64.86
	✓	Precip Lot ~~24~~ 25-19	0.1	722	113.05	608.95	1130.50	6089.50
	✓	Precip Lot 19-26	0.1	844	127.48	716.52	1274.80	7165.20
	✓	Head feed 0645 4-12-88	0.5	0.83	.10	.73	0.20	1.46
	4-15-88	Tails Lot 4-88-27	1.780	2.58	.09	2.49	1.47	40.80
	4-15-88	Head Lot 4-88-28	1.850	4.42	.44	3.98	6.94	62.75
	✓	Tails Lot 4-88-28	1.654	1.58	.07	1.51	1.23	26.63
93	✓	Sump Dregs (Smelter)	10.15 g	93.65	.47	93.18	1.35 oz/lb	267.76
	✓	Precip Lot 4-88-26	0.1 AT	1405	168.15	1236.85	0.841	6.184

	Date	Sample ID	Sample wt	Dore	mg wt Au	mg wt Ag	oz/ton Au oz/lb	oz/ton Ag
	4-15-88	Precip Lot 4-88-27 4-13	0.1 AT	484	70.51	413.49	0.3525	2.07
	✓	" " 4-88-27 4-14	0.1 AT	536	54.92	481.08	0.2746	2.405
	✓	" " 4-88-28 4-15	0.1 AT	512	55.33	456.67	0.2767	2.283
1	4-20-88	Carbon Tails 4-88-28 4-16	1.522	.95	.16	.79	3.07	15.14
2	✓	" " Heads 4-88-29 4-15	1.514	3.49	.53	2.96	10.21	57.02
3	✓	" " Tails 4-88-29 4-19	1.591	1.42	.26	1.16	4.77	21.27
4	✓	" " Heads 4-88-30 4-16	1.564	4.68	.73	3.95	13.61	73.66
5	✓	" " Tails 4-88-30 4-18	1.686	1.47	.38	1.09	6.57	18.86
6	✓	" " Heads 4-88-31 4-18	1.562	5.30	.54	4.76	10.08	88.88
7	✓	" " Heads 4-88-32? 4-18	1.525	2.73	.23	2.50	4.40	47.81
8	✓	Head Feed 4-19-88 1500	.5 AT	.31	.010	.30	.020	.60
9	✓	Heads 10700-30 5'-Bottom		.17	Tr	.17	Tr	.34
10	✓	Heads 10750 0-5'		~~.27~~ .16	< .002		< .002	.32
11	✓	Heads East #2 5'-Bottom		.50	~~.024~~ .012	.48	.024	.96
12	✓	Heads 11000-150 5'-Bottom		.30	.010	.29	.020	~~.04~~ .58
13	✓	Heads 10950-50 0-5'		.30	.010	.29	.020	.58
14	✓	Heads East #3 5'-Bottom		.31	.012	.30	.024	.60
15	✓	Heads 10850-50 0-5'		.40	.005	.40	.010	.80
16	✓	Precip Lot (4-88)-28-29		413	53.73	359.27	537.30	3592.70
17	✓	" " (4-88)-29-30		321	25.23	295.77	252.30	2957.70
18	✓	" " (4-88)-30-31		127	24.12	102.88	241.20	1028.80
19	✓	" " (4-88)-30		294	36.02	257.98	360.20	2579.80
		Tails 4-88-31	1.644					
		Tails 4-88-31	1.680					
		Tails 4-88-32	1.702					
		Head 4-88-33	2.142					
		Tails 4-88-33	1.546					
		Head 4-88-35	1.670					
		Head 4-88-G Tower	1.734					
		Head 4-88-34	1.610					
		Tails 4-88-34	1.625					

	Date	I.D.	Sample wt	Dore'	mg Au	mg Ag	oz/ton Au	oz/ton Ag
10	4-26-88	29-30 Dore'	1.005	787	60.89	726.11	6.085%	73.00 %
11	~	29-31 "	1.161	825	95.48	729.52	8.265%	63.46 %
12	~	30-31 "	1.270	849	122.37	726.63	9.684%	57.89 %
13	~	32.33 "	1.112	731	107.26	623.74	9.964%	56.06 %
14	~	33-34 "	1.002	731	79.26	651.74	7.95%	66.69 %
15	~	Proof Ag	0.500	485			3% Factor	
16	~	Engelhard CN 41598	1.820	1292				
17	~	~ ~	1.401	1039				
18	~	~ ~	1.683	1235				
19	~	Engelhard CN 41616	1.764	1340				
20	~	~ ~	1.881	1471				
21	~	~ ~	1.503	1142				
22	~	Engelhard CN 41659	1.661	1147				
23	~	~ ~	2.076	1459				
24	~	~ ~	1.697	1156				

250 grams H2O
25 grams C

(1) .025 % = .5 lb/ton .0625 gr
(2) .05 % = 1 lb/ton .125 "
(3) .10 % = 2 lbs/ton .25 "

Test (3) .1 % NaCN 1.0 % NaOH

	Au	Ag	°C		Au	Ag
15 min	.004	.31	56	106		
30	.015 .150	.96 9.60	77	150	.006 .025	.475 1.90
45	.040	~~1.12~~ 2.52	78			
1 Hr	.052	3.28			.155	5.40
1 Hr 30 Min	.056	3.30			.248	3.90
2 Hr	.064	4.95		2.0 lbs/T NaCN	.217	2.50

0030 ~~0030~~ Start Test @ .5 lb/ton NaCN 1.0% NaOH

	Au	Ag	Temp	CN
0045 ~~0100~~	.021	.64	92	—
0100	.059	1.02	90	—
0130	.042	2.91	94	0.4
0200	.023	4.00	87	—
0230	.023	1.46	87	

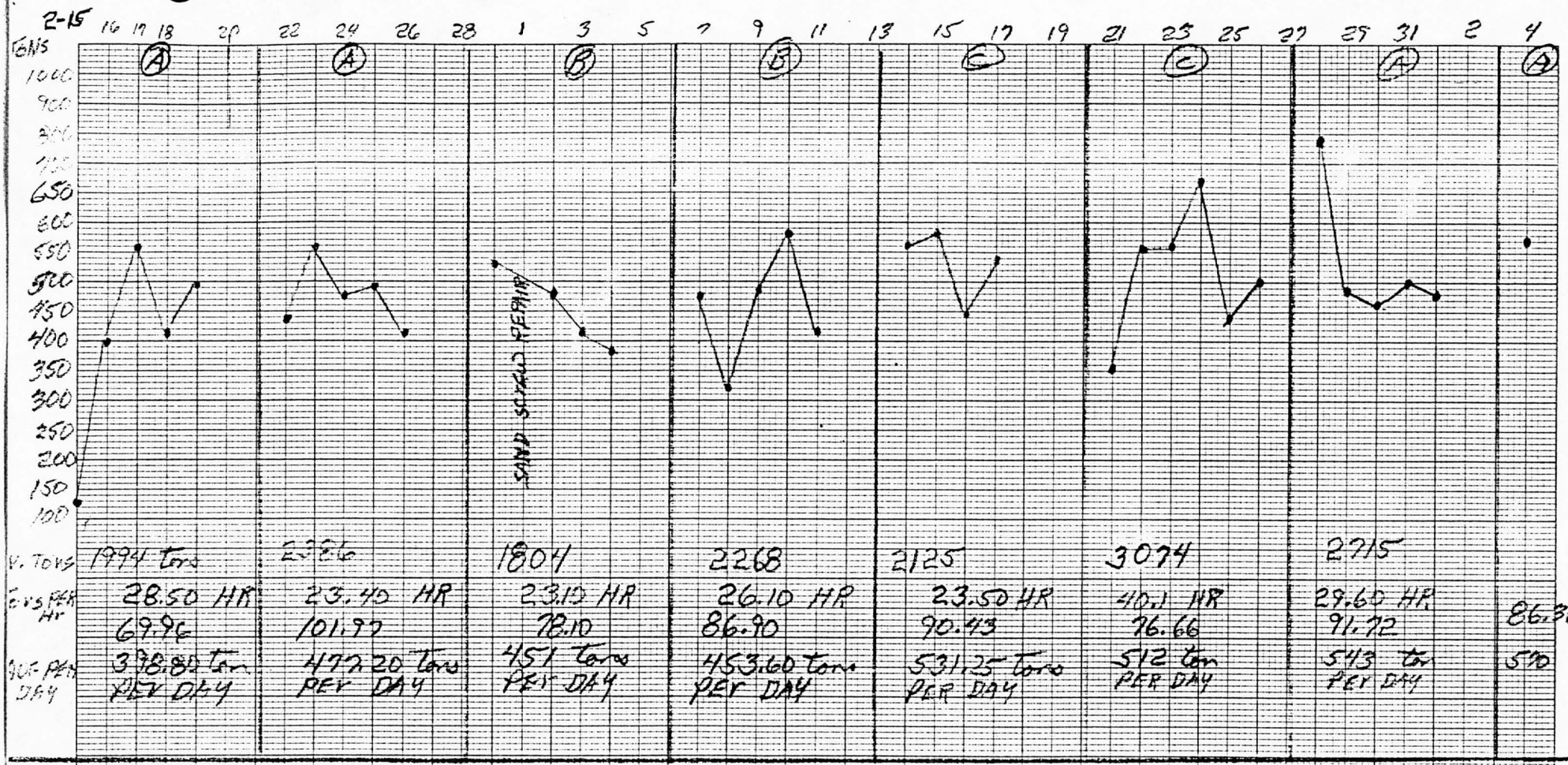
START TEST @ 1.0 lb/ton NaCN 1.0 % NaOH

0240	.036	1.67	87		
0340	.029	1.16	87	0.7	0400 Added 0.3 lbs/ton NaCN
0410	.029	1.00	87	0.9	
0440	.029	1.44	94	0.8	

SHIFT PRODUCTION
CHARTING

K+E 10 X 10 TO THE CENTIMETER 18 X 25 CM. KEUFFEL & ESSER CO. MADE IN U.S.A. 461510

Scott & Ron



TOTAL TONS THIS CREW 16,366

TOTAL HRS RUN 194.30 35 days X 8 HRS = 280 HR AVAIBLE

5.55 AVE. HRS RUN PER DAY

TOTAL HRS ÷ TOTAL TONS = 84.23 TON PER HR

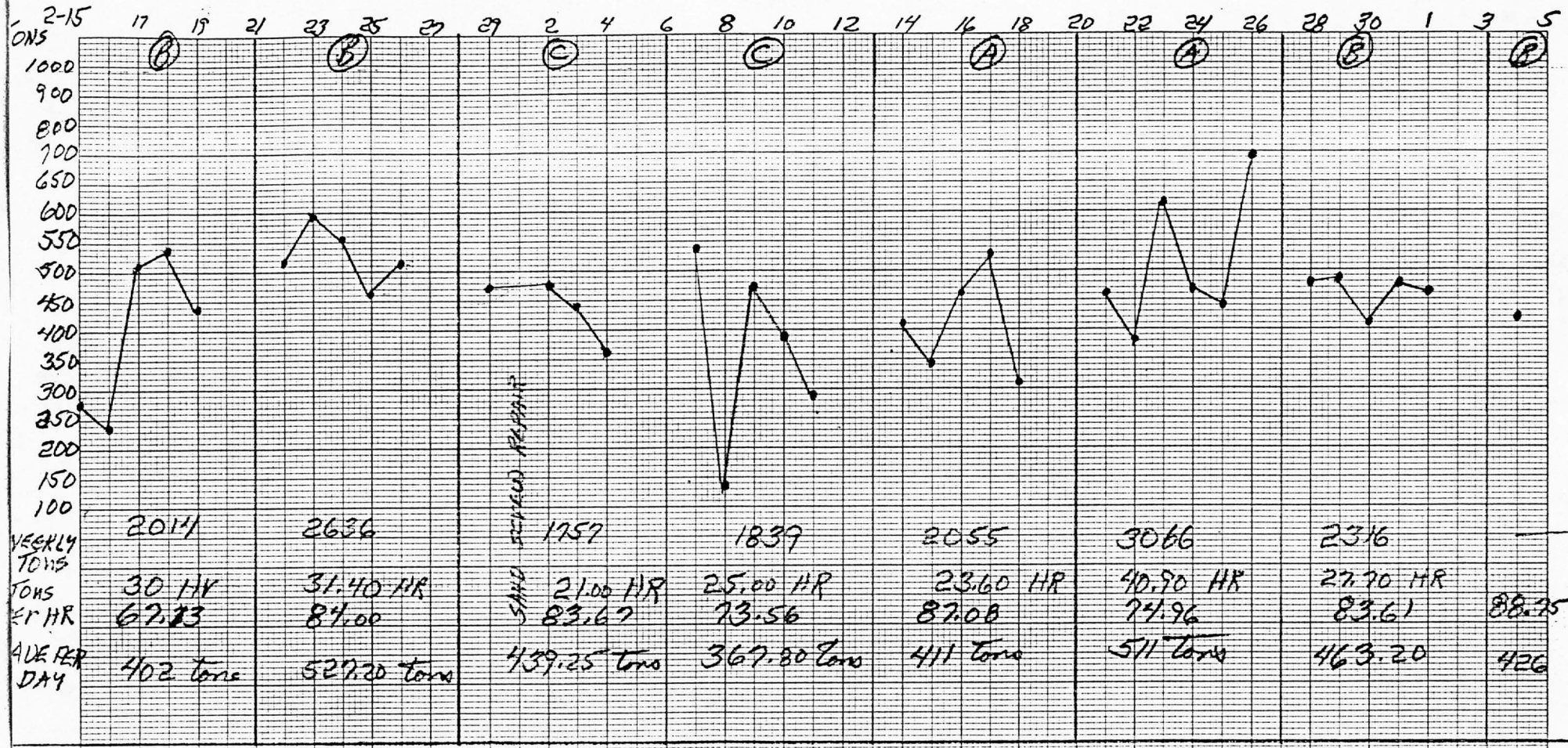
TOTAL AVE HRS PER DAY ALL SHIFTS 17.20 HRS

Total tons for 35 day ALL SHIFTS 47,913 - 102 SHIFTS RUN = 469.74 tons per SHIFT

K+E 10 X 10 TO THE CENTIMETER 18 X 25 CM. KEUFFEL & ESSER CO. MADE IN U.S.A. 461510

ERNIE - GARY

Ernie & Gary



TOTAL TONS THIS CREW 15,683

TOTAL HRS RUN 199.60 — 35 days x 8 HR = 280 HR AVAILBLE

5.7 AVE HRS RUN PER DAY

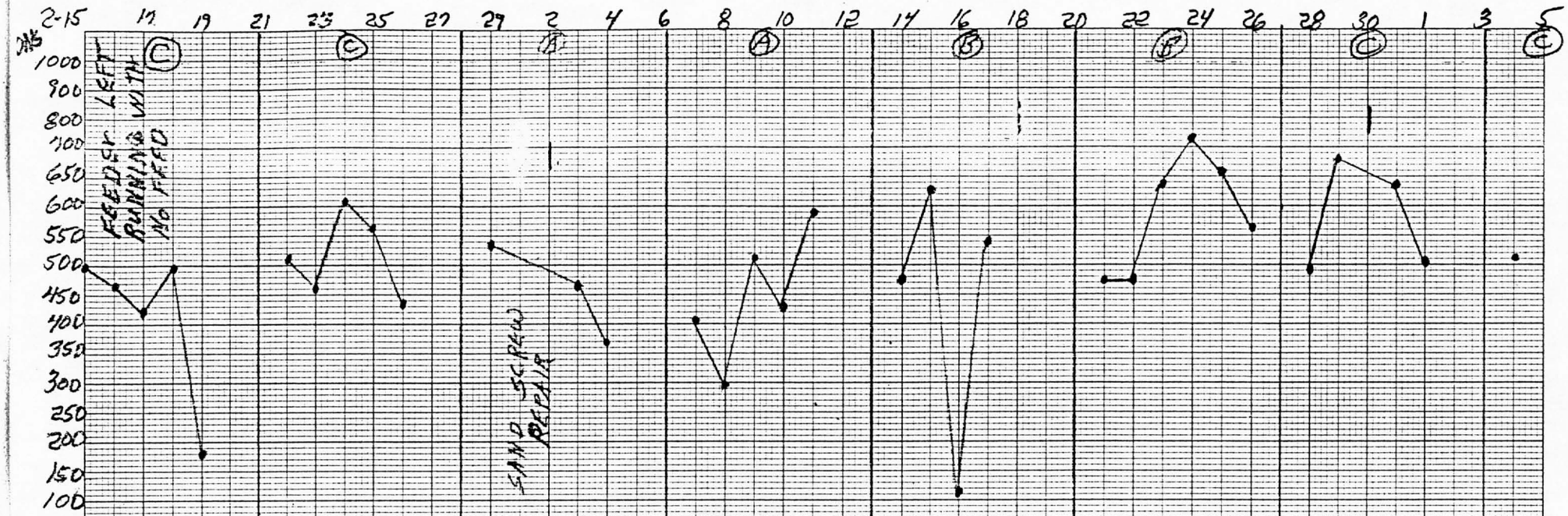
TOTAL HRS ÷ TOTAL TONS = 78.57 TONS PER HR

TOTAL AVE HRS per DAY ALL SHIFTS 17.20 HRS

Total Tons For 35 day ALL SHIFT 47,913 ÷ 102 shifts Run = 469.74 tons per shift

K+E 10 X 10 TO THE CENTIMETER 18 X 25 CM. KEUFFEL & ESSER CO. MADE IN U.S.A. 46151

Yay - George



WEEKLY TONS	2074	2568	1374	2247	1759	3520	2322
TON PER HR	33.10 HR 62.66	28.30 HR 90.74	17.20 HR 80	27.40 HR 82.	20.50 HR 85.80	38.10 HR 92.39	25.80 HR 90.00
TONS PER DAY	414.80	513.60	458. Tons	447.40	439.75	586.67	580.50 Tons

85267

514

TOTAL TONS THIS CREW 15,864 THIS CREW HAD 3 LESS DAY OF PRODUCTION

TOTAL HRS RUN 190.40 — 32 days X 8 HRS = 256 HR. AVAIBLE

5.95 AVE. HR RUN PER DAY

TOTAL HRS ÷ TOTAL TONS = 83.32 Tons PER.HR.

TOTAL AVE HRS PER DAY ALL SHIFTS — 17.20 HRS

TOTAL Tons For 35 days ALL SHIFTS 47,913 — 102 SHIFTS Run = 469.74 Tons per SHIFT

PBC GEN. ARTICLES

PBR MINERALS,
INCORPORATED

PRESS RELEASE

TOMBSTONE, ARIZONA. PBR Minerals, Inc. announced the completion of the excavation and processing of the materials removed from the old ponds constructed by the former lessee. PBR has ceased operation of its pilot scale plant and intends to apply for a permit for a full scale operation. Mike Ashworth, Administrator, says, "We are confident that we have eliminated the source of contamination of one of the private wells on the property."

PBR will begin final testing and closure of the cleanup operation while awaiting action on its new permit. It is the intention of management to rehire as many of the workers as possible who participated in the cleanup operation when the new operation begins.

FOR FURTHER INFORMATION, CONTACT J. MICHAEL ASHWORTH AT 457-2282.

3104 EAST CAMELBACK RD.
SUITE 603
PHOENIX, ARIZONA 85016
PHONE 602/457-2282

GROUNDWATER QUALITY PROTECTION
PERMIT NO. G-0056-07

Example leach operation with large (7 acre pad)

STATE OF ARIZONA

TEMPORARY GROUNDWATER QUALITY PROTECTION PERMIT

Part I. AUTHORIZATION FOR FACILITY OPERATION SUCH THAT GROUNDWATER QUALITY OF THE STATE OF ARIZONA IS NOT ADVERSELY IMPACTED.

In compliance with the provisions of A.R.S. 36-1851 et seq; A.C.R.R. Title 9, Chapter 20, Article 2; A.C.R.R. Title 9, Chapter 21, Article 2; and conditions set forth in this permit;

Facility Name:

Bighorn Mine

Owner:

J. Devins Resource Group, Inc.
A Joint Venture
P. O. Box 2406
Wickenburg, Arizona 85358

is authorized to operate the Bighorn Mine facility located about 17 miles south by southeast of Aguila, Arizona in Maricopa County over groundwaters of the Hassayampa subbasin in the Phoenix Active Management area in Township 5 North; Range 7 West; Section 31, SE 1/4, SW 1/4, SE 1/4 - Gila and Salt River Base Line and Meridian.

This permit shall become effective on the date of signature and shall be valid for the operational life of the facility provided that the facility is operated and maintained pursuant to the specific conditions, general conditions, and information documented or referenced in Parts II, III and IV of this Permit and such that groundwater quality standards are not violated (Part V).

James Devins
J. Dekvins Resource Group, Inc.

Signed this _____ day of

_____ 19 ___

Ted Williams, Director
Arizona Department of Health Services

Signed this _____ day of

_____ 19 ___

Part II. SPECIFIC CONDITIONS (R9-20-208.C)

A. Containment/Disposal Requirements

1. Containment

a. The applicant is authorized to operate a gold milling recovery facility utilizing the cyanide heap leaching method. The facility consists of a lined leach pad, lined pregnant pond, a barren tank, and an overflow pond, and shall be constructed in such a manner to allow no discharge of leaching solution(s) to the land surface or subsurface. The facility shall be surrounded by berms to prevent overland flow as a result of a 100 year, 24-hour rainfall event from entering the leaching facility.

b. The ore shall be heaped on a 7-acre pad which shall be constructed on consolidated bedrock. The bedrock shall be overlain with Mirafi 180 N fabric, and a 30 mil polyvinyl chloride field seamed liner shall be placed over the fabric.

c. All leaching solutions, except that portion within the ore heap, shall be contained in the self-contained processing equipment, the barren pond, or the pregnant pond as in the referenced site plan. Each pond shall be lined with seamed 36 mil, Palco, Dynaloy liner as referenced in the Notice of Disposal. A 600,000-gallon overflow pond, lined with 36 mil Dynaloy shall be constructed to provide storm runoff control capacity in excess of a 100-year, 24-hour precipitation event.

2. Discharge Source Limits

a. There shall be no discharge of pollutants which violate the State of Arizona Groundwater Quality Standards (R9-21-401, et seq).

b. The exhausted ore tailings shall not be removed from the above referenced pad.

3. Modification

This permit is issued contingent upon the above conditions. The permittee shall give ninety (90) days written advance notice to the Department of any modification to the above facility.

B. Monitoring Requirements, Record Keeping (R9-20-215)

1. Monitoring Type and Conditions

a. Effluent Monitoring

When rinsing the tailings as required by Part II.D., the rinsate shall be sampled at the discharge points from the pads to the pregnant ponds, and tested for free cyanide using standard methods.

The results shall be tabulated including date and time of sampling, and the level of free cyanide measured in the rinsate. The results shall be summarized and reported to ADHS on a quarterly basis concurrent with the reporting requirements of Part II.B.3..

b. Leak Detection Monitoring

A leak collection sump shall be constructed downgrade from the leaching pads and ponds. The operator shall inspect the sump daily for evidence of leakage.

On a daily basis the operator shall inspect the toe of the berm which forms the ponds. If evidence of leakage is detected, the operator shall cease operation of the leaching process and neutralize the leach pad and the contents of the pond with hypochlorite solution. The operator shall notify the Department of the failure of the liner within 72 hours. The contents of the pond shall be removed and the liner shall be repaired prior to recommencement of the heap leaching process.

2. No vadose zone or groundwater monitoring is required for this facility.

3. All monitoring results shall be recorded and reported on computer coded Self-monitoring Forms supplied by ADHS. This form shall be given to the laboratory performing the analysis.

C. Contingency Requirements (R-20-206.D.2)

1. In general, in the event that any portion of the system fails, resulting in the violation of permit conditions, the owner/operator shall notify the Department's Water Permits Unit within 72 hours to determine the appropriate action to mitigate the effects of the violation.

PBK - LEACHING TESTS

PBR MINERALS, INC.

Laboratory Analysis

Date: February 4, 1988

Sample Identification	Au Oz/Ton	Ag Oz/Ton							
Sand Discharge	tr	0.72							
Oversize #9 0' West	tr	0.08							
Oversize #10 25' West	tr	0.16							
Oversize #11 50' West	tr	0.12							
Oversize #12 75' West	tr	0.68							
Oversize #13 100' West	tr	0.08							
Oversize #14 125' West	tr	0.12							
Oversize #15 150' West	tr	0.04							
Oversize #16 175' West	tr	0.12							
Oversize #17 200' West	tr	0.20							
Oversize #18 225' West	tr	0.04							
Oversize #19 250' West	tr	0.08							

REMARKS:

REGISTERED ASSAYER
CERTIFICATE NO.
14160
GARY ALVIN
LINDROOS
Date Signed 2-4-88
ARIZONA, U.S.A.

PBR MINERALS, INC.

DATE: Start: 6-21-88 Finish:

SAMPLE ID	FIRE ASSAY HEAD Au	FIRE ASSAY HEAD Ag	FIRE ASSAY TAILING Au	FIRE ASSAY TAILING Ag	BOTTLE ROLLS 2 hrs Au	BOTTLE ROLLS 2 hrs Ag	BOTTLE ROLLS 24 hrs Au	BOTTLE ROLLS 24 hrs Ag	BARREL TEST 24 HRS Au	BARREL TEST 24 HRS Ag	BARREL TEST 48 HRS Au	BARREL TEST 48 HRS Ag	Cn CONSUMED	LIME CONSUMED	pH
11150-150 0-5'	.015 ~~.020~~	.82			.008	.46	.010	.48						0.8	11.44
11150-150 5'-B	.020	.74			.010	.40	.012	.44						0.6	11.58
Grand Central	.030	2.41			.012	1.34	.012	1.52						0.5	11.62
Mora Morrison	.040	2.82			.020	1.84	.022	2.06						0.8	11.48

REMARKS:

PBR MINERALS, INC.

DATE: 6-23-88 Assays
6-24-88 Bottle Rolls

SAMPLE ID	FIRE ASSAY HEAD Au	FIRE ASSAY HEAD Ag	FIRE ASSAY TAILING Au	FIRE ASSAY TAILING Ag	-80m BOTTLE ROLLS 2 hrs Au	-80m BOTTLE ROLLS 2 hrs Ag	BOTTLE ROLLS 24 hrs Au	BOTTLE ROLLS 24 hrs Ag	BARREL TEST 24 HRS Au	BARREL TEST 24 HRS Ag	BARREL TEST 48 HRS Au	BARREL TEST 48 HRS Ag	Bottle Roll Cn CONSUMED	Bottle Roll ~~LIME CONSUMED~~ PH
Contention 1	Nil	Tr			Tr	.02							0.2	9.82
2	Nil	Tr			Tr	.02							0.1	10.46
3	.010	.27			.003	.16							0.3	10.30
4	Tr	.02			Tr	.02							0.2	10.05
5	Tr	.06			Tr	.02							0.2	9.88
6	Nil	Tr			Tr	Tr							~~0~~	10.14
7	.005	.09			Tr	.04							0.2	10.16
8	.007	.10			.004	.06							0.4	10.77
9	Nil	Tr			Tr	Tr							0.3	9.94
10	Nil	Tr			Tr	Tr							0.2	10.01
11	Nil	Tr			Tr	Tr							0.2	9.68
12	Nil	Tr			Tr	Tr							0.3	9.74

REMARKS:

Bottle Rolls - 2 Hours @ 2.0 lbs/Ton NaCN 4.0 lbs/Ton CaO (slurry solution)

TRENCH ASSAYS

Date	Coordinate 1	Coordinate 2	Elevation
07/14/89	9482 N	9937 E	4818
07/19/89	12475 N	10980 E	4535
07/14/89	9563 N	9932 E	4814
07/14/89	9908 N	10329 E	4725
07/14/89	9609 N	9968 E	4808
07/14/89	9758 N (Back Hoe)	9960 E	4776
07/12/89	9394 N	9917 E	4824
07/12/89	10939 N	10625 E	4644
07/12/89	10854 N	10618 E	4649
07/12/89	10901 N	10635 E	4651
07/12/89	10720 N	10562 E	4689
07/12/89	10742 N	10572 E	4680
07/12/89	10817 N	10610 E	4655
07/17/89	9687 N	9956 E	4788
07/17/89	9695 N	9976 E	4785
07/17/89	9203 N	9895 E	4814
07/08/89	10642 N	10525 E	4715
07/08/89	10582 N	10500 E	4730
07/12/89	10660 N	10539 E	4704
07/18/89	9886 N	10239 E	4723
07/18/89	9927 N	10244 E	4725
07/18/89	9952 N	10248 E	4726
07/18/89	9973 N	10262 E	4726
07/18/89	10008 N	10275 E	4725
07/18/89	10043 N	10288 E	4725
07/18/89	10060 N	10300 E	4726
07/19/89	11892 N	10793 E	4592
07/08/89	10550 N	10482 E	4736
07/12/89	9758 N	9960 E	4776
07/08/89	10525 N	10473 E	4738
07/08/89	10618 N	10518 N	4721
07/12/89	10600 N	10512 E	4726
07/08/89	10564 N	10491 E	4732
07/10/89	10505 N	10470 E	4740
07/10/89	10785 N	10594 E	4771
07/10/89	10764 N	10584 E	4776
07/12/89	10686 N	10550 E	4695
07/18/89	10080 N	10308 E	4725
07/18/89	10100 N	10317 E	4725
07/18/89	10354 E	9874 N	4714
07/18/89	10216 E	9917 N	4729
07/18/89	10393 N	10418 E	4730
07/18/89	9845 N	10300 E	4714
07/18/89	10142 E	9908 N	4738
07/18/89	10219 N	10515 E	4753
07/18/89	10345 E	10375 N	4770
07/18/89	10459 E	10496 N	4745
07/18/89	10568 E	10242 N	4748
07/18/89	10527 E	10272 N	4736
07/18/89	10120 N	10322 E	4725
07/18/89	10139 N	10328 E	4724
07/18/89	10159 N	10332 E	4724
07/18/89	10179 N	10338 E	4724
07/18/89	10200 N	10342 E	4723
07/18/89	10220 N	10344 E	4723
07/18/89	10224 N	10354 E	4713
07/18/89	10249 N	10350 E	4716

07/18/89	10272 N	10360 E	4717
07/18/89	10347 N	10401 E	4720
07/18/89	10378 N	10412 E	4725
07/18/89	9828 N	10210 E	4722
07/18/89	10324 N	10388 E	4722
07/18/89	10301 N	10371 E	4725
07/18/89	10291 N	10360 E	4725
07/18/89	10393 N	10418 E	4730
07/18/89	10670 E	11801 N	4620
07/18/89	10408 N	10423 E	4733
07/18/89	10427 N	10433 E	4736
07/18/89	10443 N	10442 E	4739
07/18/89	10462 N	10450 E	4742
07/18/89	10482 N	10458 E	4744
07/18/89	11563 N	10674 E	4602
07/18/89	11638 N	10616 E	4606
07/19/89	11667 N	10695 E	4600
07/19/89	11758 N	10696 E	4600
07/19/89	11787 N	10764 E	4595
07/19/89	11854 N	10787 E	4593
07/19/89	11949 N	10805 E	4588
07/19/89	11995 N	10818 E	4583
07/19/89	12102 N	10841 E	4572
07/19/89	12205 N	10867 E	4563
07/19/89	12304 N	10896 E	4556
07/19/89	12380 N	10946 E	4548
07/19/89	12682 N	11016 E	4518
07/19/89	12784 N	11038 E	4520
07/19/89	12884 N	11046 E	4526
07/19/89	12986 N	11054 E	4536
07/19/89	13082 N	11072 E	4545
07/19/89	10490 N	10073 E	4743
07/19/89	10950 N	10826 E	4684
07/19/89	10846 N	10667 E	4663
07/19/89	10644 E	10896 N	4652
07/19/89	10869 N	10562 E	4656
07/19/89	10925 N	10566 E	4553
07/19/89	10928 N	10666 E	4652
07/19/89	10977 N	10590 E	4641
07/19/89	11018 N	10610 E	4627
07/19/89	9765 N	10235 E	4710

NEW TRENCHES

N	E	Elev.
9482 N	9937'	4818
9563	9932	4814
9609	9968	4808
9687	9956	4788
9695	9976	4785
10817 N	10610 E	4655
10854 N	10618 E	4649
10901	10625	4651
10939	10635	4644
10660	10539	4704
10686	10550	4695
10705	10558	4697
10720	10562	4689
10742	10572	4680
10764	10584	4776
10785	10594	4771
10505	10470	4740
10564	10491	4732
10582	10500	4730
10600	10512	4726
10618	10518	4721
10642	10525	4715
10525	10473	4738
10550	10482	4736
9394	9917	4824
9758	9960	4776
7/17 10863	10712	4646
10875	10724	4647

New transducer

N	E	elev.
10017	10021	4754
10890	18742	4649
10902	10754	4648
10919	10774	4649

Volume in drive C is PBRMINERALS
Directory of C:\FC\PIT

.		<DIR>	6-05-89	10:25a
..		<DIR>	6-05-89	10:25a
BRPWC	SS	1278	7-20-89	2:13p
RE&EX	SS	3933	6-06-89	9:53a
12000N	SS	1593	6-08-89	8:01a
12020N	SS	1576	6-08-89	8:01a
9700N	SS	1621	6-08-89	8:53a
10545N	SS	1647	6-08-89	8:57a
10120E	SS	1564	6-08-89	11:21a
10276N	SS	1562	6-08-89	10:55a
10325N	SS	1562	6-08-89	10:56a
10345N	SS	1562	6-08-89	10:57a
10230E	SS	1591	6-08-89	11:24a
10800N	SS	1675	6-09-89	9:51a
10925N	SS	1619	6-09-89	9:54a
9765N	SS	2569	6-27-89	6:52a
10730N	SS	1731	6-27-89	7:06a
PITRESAM	SS	2651	7-03-89	12:34p
GRAB	SS	2475	7-06-89	1:22p

19 File(s) 1050624 bytes free

C:\FC\PIT>

TRENCHES NOT YET RE-NUMBERED & ENTERED ON DATA BASE

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
9953N	10248E	4726											
			00--	05	.0000	.0000	.00	.0020	.0600	1.08	.0000	.0000	.00
			05--	11	.0000	.0000	.00	.0040	.0800	1.94	.0000	.0000	.00
			11--	17	.0000	.0000	.00	.0040	.1400	2.29	.0000	.0000	.00
			17--	23	.0000	.0000	.00	.0080	.5400	35.69	.0000	.0000	.00
			23--	28	.0000	.0000	.00	.0680	20.0000	141.16	.0000	.0000	.00
			28--	33	.0000	.0000	.00	.0080	1.0400	8.99	.0000	.0000	.00
			33--	37	.0000	.0000	.00	.0080	1.8800	13.86	.0000	.0000	.00
			37--	42	.0000	.0000	.00	.0120	1.0000	10.24	.0000	.0000	.00
			42--	46	.0000	.0000	.00	.0100	.4600	6.36	.0000	.0000	.00
9973N	10262E	4726											
			00--	04	.0000	.0000	.00	.0040	.1000	2.06	.0000	.0000	.00
			04--	08	.0000	.0000	.00	.0100	.8200	8.45	.0000	.0000	.00
			08--	12	.0000	.0000	.00	.0100	1.1000	10.08	.0000	.0000	.00
			12--	15	.0000	.0000	.00	.0180	1.6400	16.17	.0000	.0000	.00
			15--	19	.0000	.0000	.00	.0080	.8600	7.94	.0000	.0000	.00
10008N	10275E	4725											
			00--	05	.0000	.0000	.00	.0040	.0600	1.82	.0000	.0000	.00
			05--	09	.0000	.0000	.00	.0060	.1000	2.80	.0000	.0000	.00
			09--	13	.0000	.0000	.00	.0100	.1800	4.74	.0000	.0000	.00
10017N	10021E	4754											
			00--	11	.0120	.4100	6.81	.0100	.4600	6.36	.0000	.0000	.00
			11--	23	.0020	.2200	2.01	.0001	.1800	1.07	.0000	.0000	.00
			23--	28	.0001	.1100	.66	.0001	.0900	.55	.0000	.0000	.00
			28--	36	.0001	.0700	.43	.0001	.0700	.43	.0000	.0000	.00
			36--	45	.0001	.0400	.26	.0001	.0600	.37	.0000	.0000	.00
			45--	53	.0020	.1000	1.32	.0040	.1200	2.17	.0000	.0000	.00
			53--	67	.0001	.1100	.66	.0020	.0900	1.26	.0000	.0000	.00
			67--	79	.0001	.0500	.32	.0001	.0600	.37	.0000	.0000	.00
			79--	90	.0001	.0001	.03	.0001	.0300	.20	.0000	.0000	.00
			90--	103	.0001	.0200	.14	.0001	.0300	.20	.0000	.0000	.00
			103--	116	.0001	.0800	.49	.0001	.0700	.43	.0000	.0000	.00
			116--	132	.0001	.1100	.66	.0001	.0600	.37	.0000	.0000	.00
			132--	148	.0001	.0001	.03	.0001	.0400	.26	.0000	.0000	.00
			148--	164	.0001	.0900	.55	.0001	.0600	.37	.0000	.0000	.00
			164--	172	.0001	.0600	.37	.0001	.0300	.20	.0000	.0000	.00
			172--	179	.0001	.0500	.32	.0001	.0300	.20	.0000	.0000	.00
			179--	196	.0001	.0600	.37	.0001	.0300	.20	.0000	.0000	.00
			196--	211	.0001	.0001	.03	.0001	.0500	.32	.0000	.0000	.00
10043N	10288E	4725											
			00--	06	.0000	.0000	.00	.0080	.0800	3.42	.0000	.0000	.00
			06--	11	.0000	.0000	.00	.0020	.0400	.97	.0000	.0000	.00
			11--	14	.0000	.0000	.00	.0040	.3200	3.33	.0000	.0000	.00
10060N	10300E	4726											
			00--	06	.0000	.0000	.00	.0000	.0100	.05	.0000	.0000	.00
			06--	13	.0000	.0000	.00	.0040	.0200	1.59	.0000	.0000	.00
			12--	16	.0000	.0000	.00	.0160	.1400	6.73	.0000	.0000	.00
			13--	17	.0000	.0000	.00	.0040	.0200	1.59	.0000	.0000	.00

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
			16--	20	.0000	.0000	.00	.0180	.1800	7.70	.0000	.0000	.00
			17--	21	.0000	.0000	.00	.0040	.0600	1.82	.0000	.0000	.00
10080N	10308E	4725											
			00--	06	.0000	.0000	.00	.0040	.0200	1.59	.0000	.0000	.00
			06--	11	.0000	.0000	.00	.0060	.1200	2.91	.0000	.0000	.00
			11--	19	.0000	.0000	.00	.0140	.5800	8.54	.0000	.0000	.00
10100N	10317E	4725											
			00--	05	.0000	.0000	.00	.0020	.0200	.85	.0000	.0000	.00
			05--	06	.0000	.0000	.00	.0060	.0600	2.56	.0000	.0000	.00
			06--	12	.0000	.0000	.00	.0060	.2600	3.72	.0000	.0000	.00
			12--	15	.0000	.0000	.00	.0060	3.6800	23.56	.0000	.0000	.00
			15--	20	.0000	.0000	.00	.0080	8.8000	54.00	.0000	.0000	.00
10120N	10322E	4725											
			00--	06	.0000	.0000	.00	.0300	.6200	14.69	.0000	.0000	.00
			06--	08	.0000	.0000	.00	.0100	30.1000	178.28	.0000	.0000	.00
			08--	12	.0000	.0000	.00	.0100	44.8000	263.54	.0000	.0000	.00
			12--	16	.0000	.0000	.00	.0110	10.0800	62.53	.0000	.0000	.00
			16--	19	.0000	.0000	.00	.0160	11.6000	73.20	.0000	.0000	.00
10139N	10328E	4724											
			00--	04	.0000	.0000	.00	.0200	.0400	7.63	.0000	.0000	.00
			04--	08	.0000	.0000	.00	.1320	.3200	50.69	.0000	.0000	.00
			08--	13	.0000	.0000	.00	.0160	.2600	7.42	.0000	.0000	.00
			13--	17	.0000	.0000	.00	.0100	.5200	6.71	.0000	.0000	.00
10142E	9908N	4738											
			00--	04	.0000	.0000	.00	.0200	.0400	7.63	.0000	.0000	.00
			04--	08	.0000	.0000	.00	.1320	.3200	50.69	.0000	.0000	.00
			08--	13	.0000	.0000	.00	.0160	.2600	7.42	.0000	.0000	.00
			13--	17	.0000	.0000	.00	.0100	.5200	6.71	.0000	.0000	.00
10159N	10332E	4724											
			00--	05	.0000	.0000	.00	.0080	.0400	3.19	.0000	.0000	.00
			05--	11	.0000	.0000	.00	.0100	.0400	3.93	.0000	.0000	.00
			11--	14	.0000	.0000	.00	.0060	108.2000	629.78	.0000	.0000	.00
			14--	19	.0000	.0000	.00	.0020	2.9800	18.02	.0000	.0000	.00
10179N	10338E	4724											
			00--	06	.0000	.0000	.00	.0140	21.2000	128.14	.0000	.0000	.00
			06--	09	.0000	.0000	.00	.0052	49.5000	289.02	.0000	.0000	.00
			09--	12	.0000	.0000	.00	.0060	.0600	2.56	.0000	.0000	.00

onversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80

FIRE ASSAY & BOTTLE ROLL COMPARISON

		Bottle Roll Au Oz/Ton	Bottle Roll Ag Oz/Ton	Fire Assay Au Oz/Ton	Fire Assay Ag Oz/Ton	Recovery % Au	% Ag
9960	00-07	0.004	0.06	0.003	0.28	133.33	21.43
	07-11	0.002	0.04	0.004	0.20	50.00	20.00
	11-18	0.002	0.04	0.004	0.22	50.00	18.18
	18-23	0.002	0.03	0.003	0.07	66.67	42.86
	23-27	0.007	0.04	0.003	0.06	233.33	66.67
	27-30	0.004	0.04	0.002	0.05	200.00	80.00
	30-36	0.00	0.07	0.002	0.07	0.00	100.00
	36-38	0.004	0.08	0.005	0.12	80.00	66.67
	38-41	0.00	0.10	0.001	0.12	0.00	83.33
	41-47	0.007	0.11	0.007	0.14	100.00	78.57
	47-52	0.003	0.11	0.003	0.14	100.00	78.57
	52-58	0.010	0.12	0.011	0.12	90.91	100.00
	58-71	0.004	0.13	0.003	0.24	133.33	54.17
9980	00-07	0.00	0.14	0.001	0.25	0.00	56.00
	07-11	0.00	0.25	0.002	0.45	0.00	55.56
	11-18	0.006	0.46	0.006	0.50	100.00	92.00
	18-22	0.00	0.14	0.004	0.24	0.00	58.33
	22-26	0.004	0.56	0.004	0.70	100.00	80.00
	27-33	0.00	0.26	0.001	0.38	0.00	68.42
	33-37	0.00	0.29	0.002	0.46	0.00	63.04
	37-43	0.00	0.22	0.001	0.34	0.00	64.71
	43-51	0.014	0.36	0.014	0.41	100.00	87.80
	51-59	0.008	0.84	0.008	0.84	100.00	100.00
	59-65	0.004	0.20	0.004	0.26	100.00	76.92
	65-70	0.00	0.14	0.001	0.23	0.00	60.87
	70-77	0.010	0.82	0.011	0.82	90.91	100.00
	77-84	0.004	0.36	0.007	0.45	57.14	80.00
	84-90	0.002	0.15	0.002	0.27	100.00	55.56
	90-102	0.00	0.04	0.001	0.08	0.00	50.00
9952N	102-107	0.002	0.06	0.002	0.06	100.00	100.00
10020	00-05	0.002	0.06	0.002	0.08	100.00	75.00
	05-11	0.004	0.08	0.004	0.09	100.00	88.89
	11-17	0.004	0.14	0.004	0.28	100.00	50.00
	17-23	0.088	0.54	0.084	0.91	104.76	59.34
	23-28	0.068	20.00	0.104	21.59	65.38	92.64
	28-33	0.008	1.04	0.008	2.20	100.00	47.27
	33-37	0.008	1.88	0.008	3.15	100.00	59.68
9973N	37-42	0.012	1.00	0.012	1.54	100.00	64.94
	42-46	0.010	0.46	0.014	0.93	71.43	49.46
10040	00-04	0.004	0.10	0.003	0.10	133.33	100.00
	04-08	0.010	0.82	0.010	1.79	100.00	45.81
	08-12	0.010	1.10	0.010	1.74	100.00	63.22
	12-15	0.018	1.64	0.026	2.36	69.23	69.49
10008N	15-19	0.008	0.86	0.007	1.69	114.29	50.89
10060	00-05	0.004	0.06	0.005	0.22	80.00	27.27
	05-09	0.006	0.10	0.014	0.25	42.86	40.00
10043N	09-13	0.010	0.18	0.013	0.25	76.92	72.00
10080	00-06	0.008	0.08	0.009	0.12	88.89	66.67
	06-11	0.002	0.04	0.004	0.10	50.00	20.00
10060N	11-14	0.004	0.32	0.026	0.74	15.38	43.24
10100	00-06	0.00	0.01	0.001	0.01	0.00	100.00
	06-13	0.004	0.02	0.001	0.010	400.00	200.00
	13-17	0.004	0.02	0.004	0.07	100.00	28.57
10080N	17-21	0.004	0.06	0.001	0.01	400.00	600.00
10120	00-06	0.004	0.02	0.001	0.01	400.00	200.00
	06-11	0.006	0.12	0.007	0.15	85.71	80.00
10100N	11-19	0.014	0.58	0.018	0.94	77.78	61.70
10140	00-05	0.002	0.02	0.002	0.02	100.00	100.00
	05-06	0.006	0.06	0.008	0.06	75.00	100.00
	06-12	0.006	0.26	0.006	0.28	100.00	92.86
10120N	12-15	0.006	3.68	0.035	4.04	17.14	91.09
	15-20	0.008	8.80	0.008	7.63	100.00	115.33
10160	00-06	0.030	0.62	0.054	0.78	55.56	79.49
	06-08	0.010	30.10	0.014	32.42	71.43	92.84
10142E	08-12	0.010	44.80	0.024	49.76	41.67	90.03
	12-16	0.011	10.08	0.050	8.80	22.00	114.55
	16-19	0.016	11.60	0.032	14.30	50.00	81.12
10180	00-04	0.020	0.04	0.026	0.05	76.92	80.00
	04-08	0.132	0.32	0.261	0.68	50.57	47.06
	08-13	0.016	0.26	0.023	1.26	69.57	20.63
10159N	13-17	0.010	0.52	0.012	0.57	83.33	91.23
10200	00-05	0.008	0.04	0.016	0.06	50.00	66.67
	05-11	0.010	0.04	0.038	0.18	26.32	22.22
	11-14	0.006	108.20	0.009	123.34	66.67	87.72
	14-19	0.002	2.98	0.011	3.01	18.18	99.00
10220	00-05	0.004	0.02	0.004	0.25	100.00	8.00
	05-08	0.021	0.06	0.026	0.12	80.77	66.67
	08-12	0.008	0.51	0.008	1.11	100.00	45.95
	12-17	0.004	0.02	0.004	0.08	100.00	25.00

Fire Assay Total Value Order

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
10817N	10610E	4655	12--	15	.0090	2.7800	19.45	.0090	.9000	8.55	.0000	.0000	.00
10854N	10618E	4649	11--	16	.0160	2.6100	21.05	.0140	2.1000	17.36	.0000	.0000	.00
10764N	10584E	4776	19--	25	.0200	2.6600	22.82	.0220	1.6800	17.88	.0000	.0000	.00

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 15.00 Ceiling Price: 50.00

Assay Values - AU/AG Total
P8R Minerals, Inc.

Bottle Roll Total Value Order

oord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
10100N	10317E	4725	12-- 15	.0000	.0000	.00	.0060	3.6800	23.56	.0000	.0000	.00
10427N	10433E	4736	07-- 12	.0000	.0000	.00	.0520	1.0400	25.27	.0000	.0000	.00
10224N	10354E	4713	23-- 28	.0000	.0000	.00	.0180	3.8000	28.70	.0000	.0000	.00
11759N	10696E	4600	17-- 22	.0000	.0000	.00	.0460	2.0500	28.91	.0000	.0000	.00
10220N	10344E	4723	00-- 02	.0000	.0000	.00	.0090	5.0400	32.56	.0000	.0000	.00
9952N	10248E	4726	17-- 23	.0000	.0000	.00	.0880	.5400	35.69	.0000	.0000	.00
10200N	10342E	4723	09-- 13	.0000	.0000	.00	.0160	6.6000	44.20	.0000	.0000	.00
10139N	10328E	4724	04-- 08	.0000	.0000	.00	.1320	.3200	50.69	.0000	.0000	.00
10142E	9908N	4738	04-- 08	.0000	.0000	.00	.1320	.3200	50.69	.0000	.0000	.00
10100N	10317E	4725	15-- 20	.0000	.0000	.00	.0080	8.8000	54.00	.0000	.0000	.00
10220N	10344E	4723	02-- 06	.0000	.0000	.00	.0060	9.0600	54.76	.0000	.0000	.00
10249N	10350E	4716	20-- 27	.0000	.0000	.00	.0700	5.5000	57.80	.0000	.0000	.00
10220N	10344E	4723	06-- 10	.0000	.0000	.00	.0440	7.2200	58.15	.0000	.0000	.00
10120N	10322E	4725	12-- 16	.0000	.0000	.00	.0110	10.0800	62.53	.0000	.0000	.00
10224N	10354E	4713	18-- 23	.0000	.0000	.00	.0150	10.1500	64.42	.0000	.0000	.00
10901N	10635E	4651	18-- 23	.0920	7.5500	77.83	.0870	5.8000	65.83	.0000	.0000	.00
10408N	10423E	4733	02-- 05	.0000	.0000	.00	.0460	8.9400	68.87	.0000	.0000	.00
10582N	10500E	4730	15-- 20	.0080	19.7500	117.51	.0060	11.8800	71.12	.0000	.0000	.00
10427N	10433E	4736	12-- 14	.0000	.0000	.00	.0640	8.2000	71.24	.0000	.0000	.00
10249N	10350E	4716	27-- 35	.0000	.0000	.00	.0620	8.4000	71.66	.0000	.0000	.00
10120N	10322E	4725	16-- 19	.0000	.0000	.00	.0160	11.6000	73.20	.0000	.0000	.00
10179N	10338E	4724	00-- 06	.0000	.0000	.00	.0140	21.2000	128.14	.0000	.0000	.00
9952N	10248E	4726	23-- 28	.0000	.0000	.00	.0680	20.0000	141.16	.0000	.0000	.00
10120N	10322E	4725	06-- 08	.0000	.0000	.00	.0100	30.1000	178.28	.0000	.0000	.00
10249N	10350E	4716	00-- 03	.0000	.0000	.00	.0740	32.7200	217.15	.0000	.0000	.00
10120N	10322E	4725	08-- 12	.0000	.0000	.00	.0100	44.8000	263.54	.0000	.0000	.00
10179N	10338E	4724	06-- 09	.0000	.0000	.00	.0052	49.5000	289.02	.0000	.0000	.00
10159N	10332E	4724	11-- 14	.0000	.0000	.00	.0060	108.2000	629.78	.0000	.0000	.00

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 20.00 Ceiling Price: 999.99

ord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal

Fire Assay Total Value Order

10901N	10635E	4651	18--	23	.0920	7.5500	77.83	.0870	5.8000	65.83	.0000	.0000	.00
10582N	10500E	4730	15--	20	.0080	19.7500	117.51	.0060	11.8800	71.12	.0000	.0000	.00

nversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
oor Price: 50.00 Ceiling Price: 999.99

Assay Values - AU/AG Total
PBR Minerals, Inc.

Bottle Roll Total Value Order

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
10179N	10338E	4724	00--	06	.0000	.0000	.00	.0140	21.2000	128.14	.0000	.0000	.00
9952N	10248E	4726	23--	28	.0000	.0000	.00	.0680	20.0000	141.16	.0000	.0000	.00
10120N	10322E	4725	06--	08	.0000	.0000	.00	.0100	30.1000	178.28	.0000	.0000	.00
10249N	10350E	4716	00--	03	.0000	.0000	.00	.0740	32.7200	217.15	.0000	.0000	.00
10120N	10322E	4725	08--	12	.0000	.0000	.00	.0100	44.8000	263.54	.0000	.0000	.00
10179N	10338E	4724	06--	09	.0000	.0000	.00	.0052	49.5000	289.02	.0000	.0000	.00
10159N	10332E	4724	11--	14	.0000	.0000	.00	.0060	108.2000	629.78	.0000	.0000	.00

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 90.00 Ceiling Price: 999.00

~~DORE' PURITY~~ ASSAYS -- PBR MINERALS, Inc.

4-15-89 Pul Bottle Roll

	LOT No.	SAMPLE WT	DORE'	WEIGHT Au	WEIGHT Ag	~~PERCENT~~ Au	~~PERCENT~~ Ag
						OZ/TON	SOL.
10150	0-10	1006	1 — 200mL			.004	.08
"	10-20		2			.006	.12
"	20-36		3			.022	.78
10200N	4-9		4			.044	.12
10216N	10-16		5			.034	.22
10240N	15-25		6			TR	.04
10255N	15-25		7			.006	.10
10275N	15-25		8			.008	1.76
10295N	15-25		9			.012	8.32
10315N	15-25		10			.008	.40
10325N	15-25		11			.014	.06
10333N	15-25		12			.008	.06

Date: 4-19-89

Sample Identification	Bottle Roll Au	Bottle Roll Ag		Acid Digestion Au	Acid Digestion Ag	~~Fire Assay~~ ~~Dore~~	~~Au~~	~~Ag~~
9960 N 7-11	.002	.04		.004	.20			
11-18	.002	.04		.004	.22			
18-23	.002	.03		.003	.07			
30-36	Tr	.07		.002	.07			
38-41	Tr	.10		Tr	.12			
41-47	.007	.11		.007	.14			
47-52	.003	.11		.003	.14			
52-58	.010	.12		.011	.12			
~~71-75~~								

REMARKS:

Date: 4-20-89

Sample Identification		Sample Wt	Reading Au	Reading Ag					
Standard		2.5							
11040	12-13	2.5	.035	2.24					
11080	8-13	2.5	.029	1.12					
12040	9-13	2.5	.028	2.80					

REMARKS:

Date: 4-20-89

Sample Identification		Bottle Roll Au	Bottle Roll Ag		Acid Digestion Au	Acid Digestion Ag	Dore'	Fire Assay Au	Fire Assay Ag
9960 N	71-75	.050	.14		.050	.25	.32	.050	.27
	0-7	.004	.06		.004	.26	.28	.003	.28
	23-27	.007	.04		TN	TN	.06	.003	.06
	27-30	.004	.04		TN	TN	.05	.002	.05
	36-38	.004	.09		.004	.08	.12	.005	.12
	58-71	.004	.13		.003	.18	.24	.003	.24
10000 N	0-11	.018	.33		.020	.77	.84	.022	.82
	11-18	.008	.62		.010	.72	.77	.012	.76
	29-31	.002	.25		.003	.33	.46	.003	.46
	35-42	TN	.10		TN	.29	.38	.002	.38
	52-60	.016	.55		.018	.33	.72	.018	.70
	60-	.014	.47		.016	.12	.44	.018	.42
	18-25	.004	.50		.005	.64			
	25-29	.008	.42		.009	.52			
	31-35	.018	.85		.020	1.02			
	41-47	.004	.14		.004	.28			
	47-52	.004	.22		.005	.26			
	64-71	.005	.06		.006	.20			

REMARKS:

9-20-89

DORE'PURITY ASSAYS -- PBR MINERALS, Inc.

LOT No.	SAMPLE WT	DORE'	WEIGHT Au	WEIGHT Ag	Bottle Roll ~~PERCENT~~ Au	Bottle Roll ~~PERCENT~~ Ag
99600 7-11	4			.70	.002	.04
✓	5			.78		
11-18	6			.22	.002	.04
✓	7			.68		
18-23	8			.08	.002	.03
✓	9			.06		
30-36	10			.05	TR	.07
✓	11			.05		
38-41	12			.13	TR	.10
✓	13			.06		
41-47	1			.10	.007	.11
✓	2			.10		
47-52	3			.10	.003	.11
✓	4			.11		
51-58	5			.10	.010	.12
✓	6			.10		
71-75	7			.16	.092	.82
✓	8			.42		

Date: 4-20-89

Sample Identification		Bottle Roll Au	Bottle Roll Ag		Fire Assay Au	Fire Assay Ag			
9960	0-7	.004	.06		.003	.28			
	7-11	.002	.04		.004	.20			
	11-18	.002	.04		.004	.22			
	18-23	.002	.03		.003	.07			
	23-27	.007 ~~Tr~~	.04 ~~.27~~		.003	.06			
	27-30	.004 ~~Tr~~	.04		.002	.05			
	30-36	Tr	.07		.002	.07			
	36-38	.004	.08		.005	.12			
	38-41	Tr	.10		Tr	.12			
	41-47	.007	.11		.007	.14			
	47-52	.003	.11		.003	.14			
	52-58	.010	.12		.011	.12			
	58-71	.004	.13		.003	.24			

REMARKS:

Date: 4-21-89

Sample Identification		Bottle Roll Au	Bottle Roll Ag		Fire Assay Au	Fire Assay Ag			
9980	0-7	Tr	.14		Tr	.25			
	7-11	Tr	.25		.002	.45			
	11-18	.006	.46		.006	.50			
	18-22	Tr	.14		.004	.24			
	22-27	.004	.56		.004	.70			
	27-33	Tr	.26		Tr	.38			
	33-37	Tr	.29		.002	.46			
	37-43	Tr	.22		.001	.34			
	43-51	.014	.36		.014	.41			
	51-59	.008	.84		.008	.84			
	59-65	.004	.20		.004	.26			
	65-70	Tr	.14		Tr	.23			
	70-77	.010	.82		.011	.82			
	77-84	.004	.36		.007	.45			
	84-90	.002	.15		.002	.27			
	90-102	Tr	.04		Tr	.08			
	102-107	.002	.06		.002	.06			

REMARKS:

Date: 4-21-89

Sample Identification		Bottle Roll Au	Bottle Roll Ag		Fire Assay Au	Fire Assay Ag			
10,020	0-5	.002	.06		.002	.08			
	5-11	.004	.08		.004	.09			
	11-17	.004	.14		.004	.28			
	17-23	.088	.54		.084	.91			
	23-28	.068	20.00		.104	21.59			
	28-33	.008	1.04		.008	2.20			
	33-37	.008	1.88		.008	3.15			
	37-42	.012	1.00		.012	1.54			
	42-46	.010	0.46		.014	.93			

REMARKS:

Date: 4-21-89

Sample Identification		Bottle Roll Au	Bottle Roll Ag		Fire Assay Au	Fire Assay Ag			
10,040	0-4	.004	.10		.003	.10			
	4-8	.010	.82		.010	1.79			
	8-12	.010	1.10		.010	1.74			
	12-15	.018	1.64		.026	2.36			
	15-19	.008	.86		.007	1.69			
10,060	0-5	.004	.06		.005	.22			
	5-9	.006	.10		.014	.25			
	9-13	.010	.18		.013	.25			
10,080	0-6	.008	.08		.009	.12			
	6-11	.002	.04		.004	.20			
	11-14	.004	.32		.026	.74			

REMARKS:

Date: 4-22-89

Pit samples

Sample Identification		Bottle Rolls Au	Bottle Rolls Ag		Fire Assays Au	Fire Assays Ag			
10,100	0-6	Tr	.01		Nil	Tr			
	6-13	.004	.02		Nil	Tr			
	13-17	.004	.02		.004	.07			
	17-21	.004	.06		Nil	Tr			
10,120	0-6	.004	.02		Nil	Tr			
	6-11	.006	.12		.007	.15			
	11-19	.014	.58		.018	.94			
10,140	0-5	.002	.02		Nil	Tr			
	5-6	.006	.06		.008	.06			
	6-12	.006	.26		.006	.28			
	12-15	.006	3.68		.035	4.04			
	15-20	.008	8.80		.008	7.63			
10,160	0-6	.030	.62		.054	.78			
	6-8	.010	30.10		.014	32.42			
	8-12	.010	44.80		.024	49.76			
	12-16	.011	10.08		.050	8.80			
	16-19	.016	11.60		.032	14.30			

REMARKS:

Pit Samples

Date: 4-22-89

Sample Identification		Bottle Rolls Au	Bottle Rolls Ag		Fire Assay Au	Fire Assay Ag			
10,180	0-4	.020	.04		.026	.05			
	4-8	.132	.32		.261	.68			
	8-13	.016	.26		.023	1.26			
	13-17	.010	.52		.012	.57			
10,200	0-5	.008	.04		.016	.06			
	5-11	.010	.04		.038	.18			
	11-14	.006	108.20		.009	123.34			
	14-19	.002	2.98		.011	3.01			
10,220	0-5	.004	.02		.004	.05			
	5-8	.021	.08		.026	.12			
	8-12	.008	.51		.008	1.11			
	12-17	.004	.02		.004	.08			

REMARKS:

Date: 4-21-89

Sample Identification		Bottle Rolls Au	Bottle Rolls Ag	Fire Assays Au	Fire Assays Ag				
9980 N	0-7	TR	.14	TR	.25				
	7-11	TR	.25	.002	.45				
	11-18	.006	.46	.006	.50				
	18-22	TR	.14	.004	.24				
	22-27	.004	.56	.004	.70				
	27-33	TR	.26	TR	.38				
	33-37	TR	.29	.002	.46				
	37-43	TR	.22	.001	.34				
	43-51	.014	.36	.014	.41				
	51-59	.008	.84	.008	.84				
	59-65	.004	.20	.004	.26				
	65-70	TR	.14	TR	.23				
	70-77	.010	.82	.011	.82				
	77-84	.004	.36	.007	.45				
	84-90	.002	.15	.002	.27				
	90-102	TR	.04	TR	.08				
	102-107	.002	.06	.002	.06				
10020 N	0-5	.002	.06	.002	.08				
	5-11	.004	.08	.004	.09				
	11-17	.004	.14	.004	.28				

REMARKS:

Date: 4-21-89

Sample Identification		Bottle Rolls Au	Bottle Rolls Ag	Fire Assays Au	Fire Assays Ag				
10020 N	17-23	.088	.54	.084	.91				
	23-28	.068	20.00	.104	21.59				
	28-33	.008	1.04	.008	2.20				
	33-37	.008	1.88	.008	3.15				
	37-42	.012	1.00	.012	1.54				
	42-46	.010	.46	.014	.93				
10040	0-4	.004	.10	.003	.10				
	4-8	.010	.82	.010	1.79				
	~~8-12~~	~~.010~~	~~1.10~~						
	~~15-19~~	~~.008~~	~~.86~~						
~~11000~~	~~0-6~~	~~TR~~	~~.01~~						

REMARKS:

Date: 4-22-89

Sample Identification		DORE' Au	DORE' ~~Ag~~	FIRE ASSAYS Au	FIRE ASSAYS Ag		BOTTLE ROLLS Au	BOTTLE ROLLS Ag	
10040	8-12	1.75		.010	1.74		.010	1.10	
	15-19	1.70		.007	1.69		.008	.86	
11000 N	0-6	TR		Nil	TR		TR	.01	
	6-13	TR		Nil	TR		.004	.02	
	13-17	.07		.004	.07		.004	.02	
(1)	17-21	TR		Nil	TR		.004	.06	
11020	0-6	TR		Nil	TR		.004	.02	
	6-11	.16		.007	.15		.006	.12	
	11-19	0.96		.018	.94		.014	.58	
11040	0-5	TR		Nil	TR		.002	.02	
	5-6	.08		.008	.06		.006	.06	
	6-12	0.29		.006	.28		.006	.26	
?	15-20	7.64		.008	~~8.7~~ 7.63		.008	8.90	

REMARKS:

Laboratory Analysis

Pit Assays

Date: 4-22-89

	Sample Identification		Fire Assay Date	Fire Assay Au	Fire Assay Ag			Bottle Roll Au	Bottle Roll Ag	
1	10040	12-15	2.39	.026	2.36			.018	~~[illegible]~~ 1.64	
2	10060	0-5	0.22	.005	.22			.004	.06	
3		5-9	0.26	.014	.25			.006	.10	
4		9-13	0.26	.013	.25			.010	.18	
5	10080	0-6	0.13	.009	.12			.008	.08	
6		6-11	0.20	.004	.20			.002	.04	
7		11-14	0.74	.026	.74			.004	.32	
8	11040	12-15	4.07	.035	4.04			.006	3.68	
9	11060	12-16	8.85	.050	8.80			.011	10.08	

REMARKS:

Laboratory Analysis
Pit Samples

Date: 4-22-89

Sample Identification		Fire Assay Doré	Fire Assay Au	Fire Assay Ag			Bottle Roll Au	Bottle Roll Ag	
12020	0-5	.05	.004	.05			.004	.02	
12000	5-11	.22	.038	.18			.010	.04	
✓	11-14	123.35	.009	123.34			.006	108.22	
✓	14-19	3.02	.011	3.01			.002	2.98	

REMARKS:

Pit Assays

Date: 4-22-89

	Sample Identification		Fire Assay Dore'	Fire Assay Au	Fire Assay Ag			Bottle Roll Au	Bottle Roll ~~Ag~~	Bottle Roll Ag
1	11060	0-6	.83	.054	.78			.030	~~.02~~	.62
2	✓	6-8	32.43	.014	32.42			.010		30.10
3	✓	8-12	49.78	.024	49.76			.010		44.80
4	✓	16-19	14.33	~~14~~ .032	14.30			.016	~~11.60~~	11.60
5	11080	0-4	.08	.026	.05			.020	~~.060~~	.04
6	✓	4-8	.94 ~~.49~~	.261	.68			.132	~~.04~~	.32
7	✓	8-13	1.28	.023	1.26			.016	~~.32~~	.26
8	✓	13-17	.58	.012	.57			.010	~~.26~~	.52
9	12000	0-5	.08	.016	.06			.008		.04
10	12020	5-8	.15	.0216	.12			.021		.08
11	✓	8-12	1.12	.008	1.11			.008		.57
12	✓	12-17	.08	.004	.08			.004		.02

REMARKS:

92 samples

Laboratory Analysis

Pit Assays

Date: 4-25-89

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag			Bottle Roll Au	Bottle Roll Ag	
1	~~12,040~~ 10,240 0-5	0.12					.008	0.09	
2	" 5-9	0.15					.018	0.10	
3	" 9-13	6.70					.016	6.60	
4	" 13-17	0.24					.006	0.06	
5	~~12,060~~ 10,260 0-2	6.86					.009	5.04	
6	" 2-6	9.16					.006	9.06	
7	" 6-10	8.57					.044	7.22	
8	" 10-13	0.18					.006	0.13	
9	Ore Pulp Std	3.34	.014	3.33					
10	Ore Pulp Std	3.71	.014	3.70					
11	10,240 (Dup) 9-13	6.77							
12	10,260 (Dup) 2-6	9.31							

REMARKS:

Date: 5-2-89

	Sample Identification		~~FIRE ASSAY~~ ~~DORE'~~	Acid Digestion Au	Ag			BOTTLE ROLL Au	Ag	
(2) 13	10220	0-6		.020	24.68			.014	21.2	
14		6-9		.028	57.05			.052	49.5	
15		9-12		.028	2.05			.006	.06	
16	10320	Composite		.010	2.94			.010	.72	
17	10340	3-7		.024	2.44			.004	.04	
18		7-10		.018	2.70			.016	.44	
19		10-13		.016	2.60			.008	.02	
20		13-16		.020	2.90			.012	.32	
21	10360	Composite		.026	.47			.006	.10	
22	10380	Composite		.008	.40			.008	.24	
23	10400	7-10		.006	.32			.006	.08	
24		10-13		.018	.46			.011	.20	

REMARKS:

Date: 5-4-87

BOTTLE Rolls

Sample Identification		Au	Ag			Au	Ag		
10340	0-3	.004	.02			.004	.28		
10400	0-2	.006	.02			.006	.20		
10420	10-12	.004	.06			.004	.24		
	15-18	.004	.02			.005	.24		
10440	19-22	.002	.02			.003	.20		
10460	12-14	.064	8.20			.065	9.60		
10480	7-10	.006	.02			.006	.16		
10500	4-6	Tr	.02			Tr	.12		

REMARKS:

Date: 5-3-89

	Sample Identification		Bottle Rolls Au	Bottle Rolls Ag		Acid Digestion Au	Acid Digestion Ag			
(2) 1	10400	2-7	.013	.10		.012	.60			
2	10420	0-2	.020	.92		.022	3.25			
3		2-5	.018	.18		.018	.56			
4		5-10	.018	.32		.019	.72			
5		12-15	.012	.02		.012	.45			
6	10440	0-2	.016	.98		.016	1.88			
7		2-5	.046	8.94		.050	9.10			
8		5-10	.018	.42		.018	1.26			
9		10-13	.014	2.18		.014	4.72			
10		13-19	.010	.26		.010	.36			
11	10460	0-2	.012	.04		.009	.26			
12		2-7	.010	.04		.010	.41			
(3) 1		7-12	.052	1.04		.050	3.00			
2		14-18	.018	~~1.02~~ .32		.018	.44			
3	10480	0-5	.012	~~.37~~ .02		.016	.16			
4		5-7	.010	~~.02~~ .03		.010	.24			
5		10-13	.012	.04		.014	.20			
6		13-17	.014	.04		.016	.44			
7	10500	0-4	.020	.03		.022	.16			
8		6-11	.015	.04		.014	.16			
9		11-16	.020	.14		.020	.24			

Date: 5-5-89

ACIDS (SAMPLE WEIGHT)	Sample Identification		BOTTLE Rolls Au	BOTTLE Rolls Ag	ACID DIGESTION Au	ACID DIGESTION Ag				
1g	10240	9-13	.022	6.60						
1g	10260	0-2	.012	5.62						
1g		2-6	.018	10.20						
1g		6-10	.092	7.40						
5g	10240	9-13								
5g	10260	0-2								
5g		2-6								
5g		6-10								
1g	STD									
1g	STD									
1g	STD									
5g	STD									
5g	STD									

REMARKS:

Pit Assay Bottle Rolls May 23, 1989

	Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
	11,050	00-06	0.012	0.42
		06-12	0.018	0.84
East A	10,670	00-07	0.006	0.10
		07-14	0.008	0.14
		60-66	0.010	0.18
		66-71	0.008	0.14
East B	10,670	03-09	0.006	0.16
	12,150	00-05	0.012	0.10
		05-13	0.014	0.12
		25-33	0.014	0.20
		38-47	0.014	0.10
	12,250	00-08	0.010	0.16
		08-16	0.012	0.09
		25-33	0.012	0.10

Pit Assay Bottle Rolls May 23, 1989

	Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
	11,050	00-06	0.012	0.42
		06-12	0.018	0.84
East A	10,670	00-07	0.006	0.10
		07-14	0.008	0.14
		60-66	0.010	0.18
		66-71	0.008	0.14
East B	10,670	03-09	0.006	0.16
	12,150	00-05	0.012	0.10
		05-13	0.014	0.12
		25-33	0.014	0.20
		38-47	0.014	0.10
	12,250	00-08	0.010	0.16
		08-16	0.012	0.09
		25-33	0.012	0.10

Pit Assay Bottle Rolls May 23, 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10,900	24-31	0.008	0.22
	31-35	0.006	0.14
	35-42	0.005	0.14
B 10,950	00-07	0.008	0.16
	07-13	0.008	0.14
	13-25	0.009	0.16

Date: 5-23-89

PIT ASSAY BOTTLE ROLLS

Sample Identification		Au	Ag
10900	24-31	.008	.22
	31-35	.006	.14
	35-42	.005	.14
B10950	0-7	.008	.16
	7-13	.008	.14
	13-25	.009	.16
11050	0-6	.012	.42
	6-12	.018	.84
A 10670 EAST	0-7	.006	.10
	7-14	.008	.14
	60-66	.010	.18
	66-71	.008	.14
B10670 EAST	3-9	.006	.16
12150	0-5	.012	.10
	5-13	.014	.12
	25-33	.014	.20
	38-47	.014	.10
12250	0-8	.010	.16
	8-16	.012	.09
	25-33	.012	.10

REMARKS:

Date: 5-24-89

	Sample Identification	Au	Ag						
1	A 10670 EAST 14-20	.005	.10						
2	20-28	.004	.12						
3	28-35	.003	.08						
4	35-42	.004	.11						
5	42-49	.002	.08						
6	54-60	.002	.07						
7	B 10670 EAST 9-16	TR	.06						
8	16-21	TR	.06						
9	21-27	.002	.08						
10	27-33	.002	.07						
11	33-37	.001	.06						
12	37-44	.003	.09						
13	11050 35-43	.018	.28						
14	43-49	.020	.30						
15	49-61	.026	.62						

REMARKS:

Pit Assay Bottle Rolls 10,476 May 26, 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10,476	17-20	0.008	0.16
	20-24	0.008	0.42
	24-30	0.012	0.16
	30-34	0.012	0.13
	34-40	0.010	0.16
	40-43	0.011	0.28
	43-47	0.012	0.20
	47-51	0.014	0.14
	51-56	0.030	0.49

Pit Assay Bottle Rolls 9,950 May 26, 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9,950	00-08	0.014	0.16
	08-16	0.012	0.12

Pit Assay Bottle Rolls 9,841 May 26, 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9,841	00-15	0.010	0.15
	15-23	0.012	0.14
	23-28	0.010	0.14
	28-33	0.016	0.20
	33-39	0.011	0.18

Pit Assay Bottle Rolls 9,850 May 26, 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9,850	00-07	0.015	0.62
	07-12	0.014	0.22
	12-18	0.013	0.30
	18-25	0.011	0.36

Date: 5-26-89

Pit Assay Bottle Rolls

Sample Identification	Au	Ag						
10476 17-20	.008	.16						
20-24	.008	.42						
24-30	.012	.16						
30-34	.012	.13						
34-40	.010	.16						
40-43	.011	.28						
43-47	.012	.20						
47-51	.014	.14						
51-56	.030	.49						

REMARKS:

Date: 5-26-89

PIT ASSAY BOTTLE ROLLS

Sample Identification		Au	Ag						
9841 N	0-15	.010	.15						
	15-23	.012	.14						
	23-28	.010	.14						
	28-33	.016	.20						
	33-39	.011	.18						
9850N	0-7	.015	.62						
	7-12	.014	.22						
	12-18	.013	.30						
	18-25	.011	.36						
9950N	0-8	.014	.16						
	8-16	.012	.12						

REMARKS:

PIT ASSAY BOTTLE ROLLS (Resample) 05/31/89

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9918	23-28	0.026	1.02
	28-37	0.020	0.50
9945	4-12	0.018	0.40
	12-19	0.018	0.30
10080	12-20	0.008	1.06
10100	6-12	0.008	32.86
	12-19	0.006	15.92
10117	4-13	0.004	9.66
10139	11-14	0.014	11.34
	14-19	0.008	3.78
10159	0-06	0.008	0.14
	6-09	0.022	0.16
	9-16	0.014	104.00
10179	9-13	0.010	0.24
10200	0-02	0.006	0.22
	2-06	0.006	0.22
	6-10	0.062	43.46
10419	0-02	0.030	4.62
	2-10	0.032	0.67
10440	0-02	0.026	1.02
	2-05	0.076	9.66
	10-13	0.038	3.78
10458	7-12	0.026	5.88
	12-14	0.030	18.90

Date: 31 May 1989

Pit - Bottle Rolls

	Sample Identification		Au	Ag						
1	10200	6-10	.062	43.46						
2	10419	0-2	.030	4.62						
3		2-10	.032	.67						
4	10440	0-2	.026	1.02						
5		2-5	.076	9.66						
6		10-13	.038	3.78						
7	9918	23-28	.026	1.02						
8		28-37	.020	.50						
9	9945	4-12	.018	E .40						
10		12-19	.018	.30						

REMARKS:

Pit - Bottle Rolls

Date: 31 May 1989

	Sample Identification		Au	[illegible]	[illegible]	Ag				
1	10080 N	12-20	.008	1.06	—	1.06				
2	10100 N	6-12	.008	15.12	~~15.92~~	32.86				
3	10100 N	12-19	.006	7.56	~~9.66~~	15.92				
4	10117 N	4-13	.004	4.41	~~11.34~~	9.66				
5	10139 N	11-14	.014	5.46	~~3.78~~	11.34				
6	10139 N	14-19	.008	1.76		3.78				
7	10159 N	0-6	.008	.14	—	.14				
8	10458 N	7-12	.026	2.75		5.88				
9	10458 N	12-14	.030	12.18		18.90				
10	10159 N	6-9	.022	.16		.16				
11	10159 N	9-16	.014	~~54.~~ →	104.00	104.00				
12	10179 N	9-13	.010	.24		.24				
13	10200 N	0-2	.006	.22		.22				
14	10200 N	2-6	.008	.17		.17				

REMARKS:

Note - Resample of good areas in Grand central

PIT ASSAY BOTTLE ROLLS (Resample) 05/31/89

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9918	23-28	0.026	1.02
	28-37	0.020	0.50
9945	4-12	0.018	0.40
	12-19	0.018	0.30
10080	12-20	0.008	1.06
10100	6-12	0.008	32.86
	12-19	0.006	15.92
10117	4-13	0.004	9.66
10139	11-14	0.014	11.34
	14-19	0.008	3.78
10159	0-06	0.008	0.14
	6-09	0.022	0.16
	9-16	0.014	104.00
10179	9-13	0.010	0.24
10200	0-02	0.006	0.22
	2-06	0.006	0.22
	6-10	0.062	43.46
10419	0-02	0.030	4.62
	2-10	0.032	0.67
10440	0-02	0.026	1.02
	2-05	0.076	9.66
	10-13	0.038	3.78
10458	7-12	0.026	5.88
	12-14	0.030	18.90

Date: 6-7-89

Pit Assay Bottle Rolls

Sample Identification	Au	Ag						
9918N/10230E	mm	mm						
0-6	.016	.22						
6-14	.018	.18						
14-19	.012	.32						
19-25	.024	.92						
25-29	.020	1.08						
29-34	.020	.60						
34-39	.018	.64						
39-49	.020	.40						
75-82	.014	.12						
82-89	.010	.18						
89-93	.016	.32						
93-102	.012	.18						

REMARKS:

NOTE: 49-75 No Sample (Fill)

Date: 6-8-89

Pit Assay Bottle Roll

Sample Identification		Au	Ag
9871 N	0-7	.020	.18
10227 E	7-11	.022	.20
	11-18	.016	.10
	18-23	.016	.09
	23-27	.020	.18
	27-30	.014	.14
	30-36	.016	.16
	36-38	.016	.24
	38-41	.020	.24
	41-47	.020	.20
10370 E	0-6	.014	.14
	6-13	.012	.14
	13-19	.016	.16
	19-40	.016	.16

REMARKS:

Pit Bottle Rolls

Date: 6-9-89

Sample Identification		As	Hg						
10370 E	40-48	.006	.05						
	48-60	.009	.10						
	60-65	.005	.07						
10800 N	0-14	.002	.08						
	14-17	.004	.14						
	17-21	.003	.14						
	21-41	.005	.06						
	41-52	.005	.08						
10570 E	0-11	.003	.20						
	11-23	.002	.21						
	23-28	.009	.44						
10925 N	0-10	.008	.14						
	10-19	.004	.04						
	19-24	.004	.04						

REMARKS:

Pit Bottle Rolls

Date: 6-15-89

	Sample Identification	oz/ton Au	Ag						
1	10985 N 0-12	.003	.40						
2	✓ 12-28	TN	.18						
3	✓ 28-37	TN	.29 ~~TN~~						
4	10850 N 119-127	.003	.48						
5	✓ 127-143	.001	.23						
6	✓ 143-149	TN	.09						
1	149-154	TN	.11						
2	154-161	TN	.08						
3	161-179	TN	.08						
4	179-200	TN	.14						
5	10340 E 0-9	TN	.09						
6	9-19	TN	.07						
7	19-30	TN	.08						
8	30-39	TN	.06						
9	Grab South Wall of North Pit	.062	34.50						

REMARKS:

PIT SAMPLE (Bottle Roll - Hot CN) 15 Jun 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10,985 N	0-12	0.003	0.40
	12-28	0 003	0.18
	28-37	0.003	0.24

PIT SAMPLE (Bottle Roll - Hot Cn) 15 Jun 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10,850	12-21	0.014	0.12
	21-33	0.008	0.10
	33-39	0.012	0.14
	39-47	0.016	0.20
	47-54	0.018	0.14
	54-66	0.002	0.06
	66-74	0.013	0.34
	74-81	0.007	0.11
	81-88	0.012	0.74
	106-113	0.006	0.14
	113-119	0.004	0.10
	119-127	0.003	0.48
	127-143	0.001	0.23
	143-149	0.000	0.09
	149-154	0.000	0.11
	154-161	0.000	0.08
	161-179	0.000	0.08
	179-205	0.000	0.14

PIT SAMPLE (Bottle Roll - Hot CN) 15 Jun 1989

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10,340N	0-09	0.000	0.09
	09-19	0.000	0.07
	19-30	0.000	0.08
	30-39	0.000	0.06

PIT SAMPLE (Misc Bottle Roll - Hot CN) 15 June 89

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
Grab Sample South Wall of North Pit	0.062	34.50

PIT SAMPLE (BOTTLE ROLL - HOT CN) 16 JUN 89

CO-ORDINATES & FOOTAGE		AU OZ/TON	AG OZ/TON
10340E	39-44	0.005	0.34
	44-52	0.005	0.11
	52-63	0.003	0.09
	63-68	0.007	0.10
	68-78	0.004	0.22
	78-86	0.006	0.10
	86-93	0.001	0.10
	93-100	0.001	0.23
	100-110	0.006	0.15
	110-119	0.042	0.08
	119-122	0.020	0.11
	122-128	0.007	0.09
	128-139	0.022	0.50
	139-141	0.010	0.08
	151-162	0.004	0.06
	162-178	0.000	0.06

Date: 6-16-89 Pit Bottle Rolls

	Sample Identification	Au	As						
1	10340 E 39-44	.005	.34						
2	- 44-52	.005	.11						
3	- 52-63	.003	.09						
4	- 63-68	.007	.10						
5	- 68-78	.004	.22						
6	78-86	.006	.10						
7	86-93	.001	.10						
8	93-100	.001	.23						
9	100-110	.006	.15						
10	110-119	.042	.08						
11	119-122	.020	.11						
12	122-128	.007	.09						
13	128-139	.022	.50						
14	139-151	.010	.06						
15	151-162	.004	.06						
16	162-178	TR	.06						

REMARKS:

Date: 6-2-89

Pit Bottle Rolls

Sample Identification		Au	Ag	Au					
10545N	20-27	.030	.46	.026					
	27-34	[illegible]	.30	.016					
10210N	0-12	[illegible]	.32	.012					
	12-20	[illegible]	.36	.016					
	20-30	[illegible]	.26	.014					
	30-36	[illegible]	.10	.010					
	36-49	[illegible]	.12	.012					
	49-58	[illegible]	.24	.014					
10650E	0-12	[illegible]	.46	.018					
	12-17	[illegible]	.14	.010					
	17-27	[illegible]	.18	.012					
	27-33	[illegible]	.12	.010					
	33-40	[illegible]	.18	.012					
	40-57	[illegible]	.30	.018					

REMARKS:

Date: 6-2-89

Pit Bottle Rolls

Sample Identification		Au	Ag						
10200	9-13	.084	157.04						
10400	10-13	.028	.92						
10419	12-14	.020	.68						
10179	0-6	.020	.42						
	6-9	.016	.22						
9700N	0-78	.020	.58						
	78-100	.018	.32						
	100-158	.020	.42						
9850E	25-45	.016	.22						
10419N	EXT	.012	.14						
10440N	EXT	.016	.54						
10458N	EXT	.012	.12						
10545N	0-10	.038	.78						
	10-20	.014	.22						

REMARKS:

Date: 6-5-89

Pit Bottle Rolls

Sample Identification	Au	Ag						
10340 E AT 10036 N ~~10016 N 10340 E~~	.022	.26						
10560 E 71-81	.028	.29						
" 81-94	.010	.13						
10520 N 0-5	.020	.22						
5-12	.012	.12						
12-22	.008	.11						
22-28	.024	.36						
28-35	.020	.20						
35-46	.022	.21						
46-50	.022	.22						
50-58	.026	.45						
58-63	.020	.13						
10510 E 0-5	.028	.62						
10510 E 28-35	.018	.20						

REMARKS:

Date: 10-6-89

Sample Identification	Au	Ag						
10057 12-16	.016	.14						
10057 16-20	.018	.18						

REMARKS:

Date: 6-6-89

Sample Identification	Au	Ag						
10510E 5-15	.028	.17						
15-22	.026	.17						
22-28	.038	.30						
35-47	.032	.37						
47-57	.030	.28						
57-62	.026	.24						
62-73	.024	.44						

REMARKS:

Date: 6-19-89 Pit Sample Bottle Rolls

	Sample Identification	Au	Ag						
1	9765 N 0-4	.006	.02						
2	4-10	.008	.03						
3	10-17	.002	.02						
4	17-24	.002	.02						
5	24-30	.006	.52						
6	30-37	TR	.02						
7	37-45	.002	.02						
8	45-49	.002	.10						
9	49-55	TR	.01						
10	55-61	TR	.05						
11	61-69	TR	.04						
12	69-77	TR	.04						
13	77-85	TR	.03						
14	85-92	TR	.03						
	92-101	.012	.22						
	101-106	.008	.10						
	106-110	.020	.16						
	110-120	.017	.08						
	120-129	.003	.10						
	129-134	.005	.12						

(1)

(2)

REMARKS:

Date: 6-19-89 Pit Sample - Bottle Rolls

Sample Identification	Au	Ag						
10210E, 9900 N 0-5	.004	.17						
5-14	.022	.30						
14-28	.004	.15						
28-34	.002	.14						
34-46	.006	.08						
46-55	.020	.31						
55-61	.008	.14						
61-78	.006	.14						

REMARKS:

Date: 6-20-89

Pit Assay Bottle Rolls

Sample Identification	Au	Ag						
10240 N GRAB	.010	1.10						
10260 N GRAB	.007	.60						
10520 "A" WALL	.002	.18						
10526 "B" WALL	.004	.76						
10520 "C" WALL	.004	.90						
10520 "D" WALL	.003	.54						
10675 E 0-5	.002	.28						
10675 E 5-16	.002	.28						
" 22-26	.004	.42						
" 26-33	.003	.48						
10650 N 0-14	.002	.14						
14-32	.001	.12						
32-39	.002	.12						
39-52	.002	.16						

REMARKS:

Date: 6-26-89

Pit Assay Bottle Rolls

Sample Identification	Au	Ag						
9750N "A" GRAB	.017	.36						
9750N "B" GRAB	.010	.20						
10225 GRAB Vertical 10'	.008	.44						
10290N 0-7	.009	.22						
10290N 13-19	.009	.24						
10290N 25-33	.007	.28						
10310N 0-6	.014	.42						
11-17	.018	.72						
17-21	.011	.24						
21-28	.007	.14						
10600E 0-13	.010	.82						
13-19	.011	.60						
19-25	.008	.40						
25-38	.003	.80						

REMARKS:

☆ = sulfides ??

Date: 6-26-89

P.F. Bottle Rolls

Sample Identification	Au	As
10600E 38-43	.026	1.16
43-55	.015	.80
55-61	.006	.22
61-65	.005	.26
65-70	.004	.25
10730N 0-9	.003	.26
9-14	.018	.43
14-19	.003	.20
19-26	.003	.22
26-29	.005	.34
29-33	.002	.20
33-35	.002	.24
9804 32-43	.008	.35
43-52	.004	.20

REMARKS:

(2)

☆ = sulfides ??

Date: 10-26-89

Pit Bottle Rolls

Sample Identification	Au	Ag
9804 52-59	.010	.20
13100N 0-10	.014	.26
10-17	.008	.24
13200N 0-7	.010	.18
7-18	.008	.28
18-25	.007	.18
25-33	.005	.10
13300N 0-10	.006	.16
10-19	.005	.22
19-29	.003	.12
29-42	.004	.08
13400N 0-11	.006	.10
11-19	.004	.14
19-29	.007	.18

REMARKS:

Φ = sulfides ??

Date: 6-27-89

Pit Bottle Rolls

	Sample Identification	Au	Ag						
1	13400 N 29-40	TN	.05						
2	10270 N 10-19	.016	1.10						
3	19-26	.005	.14						
4	26-33	.008	.20						
5	10245 N 0-3	.074	32.72						
6	9-15	.018	.76						
7	15-20	.016	.54						
8	20-27	.070	5.50						
9	27-35	.062	8.40						
10	35-38	.034	.44						

REMARKS:

Date: 6-28-89 Pit Bottle Rolls

Sample Identification		Au	Ag						
10220 N	0-3	.004	.09						
	3-7	.012	.24						
	7-12	.036	.42						
	12-18	.007	.25						
*	18-23	.015	10.15						
	23-28	.018	3.80						
*	28-34	.008	.62						
	34-35	.002	.30						
10330 N	0-2	.001	.16						
	2-3	Tr	.20						
	3-5	Tr	.18						

REMARKS:

* 10220 N 34-40 (old Tunnel)

Date: 6-30-89

Pit samples

Sample Identification	Fire Assay Doré	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
10330 N 5-7	.24	.008	.24		.007	.23		
" 7-9	.49	.005	.49		.005	.16		
9-15	.12	.007	.12		.006	.110		
15-20	.04	.004	.04		.002	.04		
20-25	.08	.007	.08		.005	.08		
Grab	1.07	.008	1.07		.007	.90		
25-30	.06	.007	.06		.005	.05		
10W50E 0-8	.04	.002	.04		.003	.04		
8-16	.05	.003	.05		.003	.05		
16-21	.12	.008	.12		.007	.10		
21-31	.07	.005	.07		.004	.06		
31-37	.08	.005	.08		.006	.06		
37-45	.05	.005	.05		.004	.04		
45-53	.04	Tr	.04		Tr	.04		

REMARKS:

~~29.167 gr / sample = 1.0 Assay Ton~~

Date: 6-30-89

Pit samples

Sample Identification	Doré	Fire Assay Au	Fire Assay Ag		Bottle rolls Au	Bottle rolls Ag		
10+50E 53-61	.06	Tr	.06		Tr	.06		
61-66	.09	Tr	.09		Tr	.08		
66-73	.03	Tr	.03		Tr	.04		
73-80	.06	.002	.06		.002	.06		
80-92	.04	Tr	.04		Tr	.02		
92-102	.05	Tr	.05		Tr	.04		
102-114	.08	.004	.08		Tr	.06		
114-126	.06	Tr	.06		.002	.06		
126-138	.03	Tr	.03		Tr	.02		
138-146	.12	.002	.12		Tr	.05		
146-154	.04	.002	.04		Tr	.02		
154-165	.07	Tr	.07		Tr	.03		
165-174	.02	Tr	.02		Tr	.02		
174-185	.04	Tr	.04		Tr	.06		

REMARKS:

Date: 7-03-89

Pit Samples

Sample Identification		Fire Assay Dore'	Au	Ag		Bottle Roll Au	Ag		
10159 Resample	9-14	67.10	.020	67.08		.014	104.00		
10179	0-6	24.62	.015	24.61 ~~21.49~~		.014	21.20		
	6-9	51.12	.060	51.06		.052	49.50		
	9-13	.93	.005	.93		.006	.06		
10200	0-2	.42	.007	.41		.006	.22		
	2-6	.34	.006	.33		.006	.22		
(Resample)	9-13	140.96	.091	140.85		.084	157.04		
11800	49-57	.06	Tr	.06		TR	.05		
11900	0-5	.07	.004	.07		.004	.07		
	5-9	.09	Tr	.09		.002	.07		
	9-15	.79	.005	.79		.002	.08		
12200	0-10	.04	.005	.04		.004	.04		

REMARKS:

Date: 7-03-89

Pit Samples

Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
10020 17-23	.73	.082	.65					
23-28	22.82	.068	22.75					
28-33	.57	.007	.56					
33-37	2.66	.008	2.65					
37-42	1.15	.014	1.14					
42-46	.59	.010	.58					
10040 4-8	1.16	.008	1.15					
10220 0-6	27.88	.015	27.86 ~~27.78~~					
6-9	50.30	.058	50.24					
9-12	2.97	.009	2.96					
"Acid" ORE Std	3.58	.014	3.57					
"Acid" ORE Std duplicate	3.62	.014	3.61					

REMARKS:

Date: 7-5-89

Pit Samples

Sample Identification	Fire Assay Dore'	Au	Ag		Bottle Roll Au	Ag		
10525N 10473E 0-5	.06	Tr	.06		TR	.06		
5-11	.05	Tr	.05		TR	.04		
Fill 11-36	—	—	—	—	—	—	—	—
36-45	.28	.003	.28		.002	.22		
45-52	.15	.002	.15		.002	.12		
52-60	.09	Tr	.09		TR	.07		
60-68	.04	Tr	.04		TR	.04		
68-79	.03	Tr	.03		TR	.04		
79-83	.16	Tr	.16		TR	.10		
83-90	.12	Tr	.12		TR	.07		
90-97	.11	Tr	.11		TR	.12		

REMARKS:

Date: 7-6-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
1	Dusty Grab 1 1500' S. Pit					.003	.06		
2	Dusty Grab 2 1500' S. Pit					.005	.04		
3	10525 Shaftfill Grab					TR	TR		
4	10550 shaftfill Grab					TR	TR		
5	10550 N 10482 E 0-4					TR	TR		
6	4-8					TR	TR		
7	8-32 - fill 32-37					TR	TR		
	37-43					TR	TR		
8	43-49					TR	TR		
10	49-58					TR	TR		
11	58-65					TR	TR		
12	65-71					TR	TR		
13	71-80					TR	.01		
14	80-94					TR	.01		
15	94-102					TR	.01		
16	102-108 fill								

REMARKS:

Date: 7-7-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
1	10505N 10462E 0-6	1.06	.011	1.05		.006	.38		
2	6-10	1.33	.009	1.32		.004	.14		
3	10-13	.13	.002	.13		Tr	.04		
4	13-16	.15	Tr	.15		Tr	.07		
5	16-24	.44	.004	.44		.002	.15		
6	24-28	.08	Tr	.08		Tr	.06		
7	28-35	.18	Tr	.18		Tr	.04		
8	35-42	.73	.005	.73		.002	.11		
9	42-48	.35	.004	.35		.002	.12		
10	48-60	.07	Tr	.07		Tr	.07		
11	10564N 10491E 0-6	.06	Tr	.06		Tr	.04		
12	6-11	.10	Tr	.10		Tr	.06		
13	11-14	.04	Tr	.04		Tr	.02		
14	14-31 Fill 31-39	.26	Tr	.26		Tr	.16		
15	~~39-46~~								
16	~~46-55~~								
17	~~55-62~~								
18	~~62-69~~								

REMARKS:

Laboratory Analysis

Date: 7-7-85

Sample Identification		Fire Assay Dore	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
10564N 10491E	39-46	.13	.004	.13		.002	.08		
	46-55	.05	.002	.05		.002	.06		
	55-62	.06	Tr	.06		.001	.08		
	62-69	.09	Tr	.09		TR	.09		
	69-75	.04	Tr	.04		TR	.04		
10582N 10500E	0-5	.05	.003	.05		.002	.04		
	5-8	.04	.005	.04		.004	.04		
12.15 Fill	8-12	.10	.002	.10		.002	.08		
~~10582N~~	15-20	19.76	.008	19.75		.006	11.88		
10600N 10512E	0-6	.22	Tr	.22		.002	.10		
	6-10	.48	Tr	.48		TR	.12		
	14-23	.22	.003	.22		.002	.22		
	23-31	.29	Tr	.29		.001	.14		

REMARKS:

Laboratory Analysis

Date: 7-7-89

Sample Identification		Doré	Au	Ag		Au	Ag		
10642N 10525E	0-5	.05	Tr	.08		TR	.04		
	5-8	.18	.004	.18		.002	.10		
	8-12	.30 ~~.038~~	.038	.26		.035	.06		
12-16 = F''	16-19	.65	.010	.64		.008	.54		
10618N 10518E	0-5	.06	.003	.06		.002	.04		
	5-9	.16	.002	.16		.002	.08		
	9-14	.22	.004	.22		.002	.10		
	14-20	.31	.003	.31		.002	1.08		
	20-28	.30	.005	.30		.004	.16		
9394N 9917E	0-14	.24	.002	.24		.002	.10		
	14-21	.38	.006	.37		.002	.11		
	21-29	.30	.002	.30		TR	.16		
	29-37	.44	.003	.44		.002	.19		
	37-48	.52	.006	.51		.002	.25		

REMARKS:

Date: 7-10-81

Pit Samples

	Sample Identification		Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
15	10686N 10550E	0-6	.11	Tr	.11		Tr	.04		
16		6-10	.08	Tr	.08		Tr	.05		
17		10-14	.07	Tr	.07		Tr	.06		
18		14-17	.19	Tr	.19		Tr	.14		
19	17-23 fill	23-24	.32	.006	.31		.006	.30		
20	10785N 10594E	0-7	.09	Tr	.09		Tr	.09		
21		7-12	.05	Tr	.05		Tr	.06		
		12-16	.10	Tr	.10		Tr	.10		
23	(16-19 fill)	19-23	1.22	.024	1.20		.018	.98		
24	10764N 10582E	0-7	.06	Tr	.06		Tr	.06		
25		7-10	.09	Tr	.09		Tr	.08		
26		10-15	.16	Tr	.16		Tr	.12		
27		15-19	.98	.002 ~~.98~~	.98		Tr	.36		
28		19-25	2.69	.026	2.66		.022	1.68		

REMARKS:

Date: 7-10-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Au	Ag		Bottle Roll Au	Ag		
1	9394N 9917E 48-54	.06	.002	.06		.002	.06		
2	54-66	.08	.004	.08		TR	.04		
3	66-72	.07	.003	.07		.003	.06		
4	72-85	.44	.008	.43		.006	.36		
5	85-105	.08	TR	.08		TR	.08		
6	105-123	.15	TR	.15		TR	.13		
7	123-143	.07	TR	.07		TR	.08		
8	143-178	.12	.003	.12		TR	.05		
9	178-200	.11	TR	.11		TR	.09		
10	10660N 10539E 0-5	.02	TR	.02		TR	.02		
11	5-9	.07	TR	.07		TR	.06		
12	9-12	.13	TR	.13		TR	.09		
13	12-16	.11	.003	.11		.003	.10		
14	16-20 Fill 20-22	1.19	.007	1.18		.005	1.04		

REMARKS:

Date: 7-10-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Au	Ag		Bottle Roll Au	Ag		
1	10720N 10562 E 0-6	.08	Tr	.08		Tr	.08		
2	6-8	.07	Tr	.07		Tr	.06		
3	8-11	.02	Tr	.02		Tr	.02		
4	9758N 9952E 0-32	.03	Tr	.03		Tr	.02		
5	32-39	.05	Tr	.05		Tr	.02		
6	39-46	.14	.002	.14		Tr	.10		
7	46-58	.19	.003	.19		Tr	.08		
	58-65	.23	.003	.23		.002	.12		
9	65-69	.67	.008	.66		.006	.41		
10	69-86	.25	.005	.25		.004	.18		
11	86-96	.16	.004	.16		.004	.12		
12	96-105	.06	.001	.06		Tr	.07		
13	105-117	.08	Tr	.08		Tr	.08		
14	117-145	.13	Tr	.13		.007	.11		

REMARKS:

Date: 7-12-89

Pit Samples

	Sample Identification		Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
1	10720N 10562E	11-17	.02	Tr	.02		Tr	.02		
2	(19-24 fill)	17-19	.31	.011	.30		Tr	.07		
3	10742N 10572E	0-7	Tr	Tr	Tr		Tr	.03		
4		7-11	Tr	Tr	Tr		Tr	.02		
5		11-15	.08	.001	.08		Tr	.06		
6		15-19	.27	.004	.27		.002	.13		
7	(19-24 fill)	24-26	.35	.007	.34		.004	.20		
8	10817N 10610E	0-4	.11	Tr	.11		Tr	.06		
9		4-8	.10	Tr	.10		Tr	.05		
10		8-12	.27	.002	.27		.002	.12		
11	(15-19 fill)	12-15	2.79	.009	2.78		.009	.90		
12		19-23	.35	.004	.35		.004	.22		
13		23-26	.23	.001	.23		.002	.14		
14	10854N 10618E	0-5	.10	Tr	.10		Tr	.06		

REMARKS:

Date: 7-12-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Au	Ag		Bottle Roll Au	Ag	Ag	
	10854N 10618 E 5-11	.31	.002	.31		TR	.02	.14	
16	(over fill) 11-16	2.63	.016	2.61		.014	.07	2.10	
17	16-20	.16	TR	.16		TR	.03	.14	
	20-24	.07	TR	.07		TR	.02	.05	
19	24-26	.18	.004	.18		.002	.06	.16	
20	9394 A	.27 ~~TR~~	TR ~~TR~~	.27 ~~TR~~		TR	.13	.04	
21	9394 B	.14	TR	.14		TR	.20	.05	
	9394 C	.25 ~~TR~~	TR ~~TR~~	~~TR~~ .29		TR	.06	.04	
23	9394 D	.32	.002	.32		TR	.05	TR	
24	10900N 10635E 6-9 (0-6 caving in)	TR	TR	TR		TR	.12	.10	
25	(9-14 fill) 14-18	.75	.011	.74		.006	.90	.48	
26	18-23	7.65	.092	7.55		.087	.22	5.80	
27	10939 N 10625E 0-6	TR	TR	TR		.004	.14	.06	
28	Frank Chadwick 7-11-89	2.41	.005	2.41		.005	.06	2.20	
	Dore Purity	.283	3.335	220.665 ~~279.665~~	.224				
	Dore Purity (Double Check)	.290	3.506	221.454 ~~286.454~~	.225				

REMARKS:

1.209 % Au
98.79 % Ag

1.178 % Au
98.82 % Ag
~~279.665~~

5 14
1.650
.092
7.558

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 10742 N **Coordinate 2:** 10572 E

Elevation: 4680

	Fire Assay		Bottle Roll	
Footages	**Au**	**Ag**	**Au**	**Ag**
00-07	Tr	Tr	Tr	.03
07-11	Tr	Tr	Tr	.02
11-15	.001	.08	Tr	.06
15-19	.004	.27	.002	.13
24-26	.007	.34	.004	.20

19-24 = Fill (No Sample)

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 10720 N **Coordinate 2:** 10562 E

Elevation: 4689

	Fire Assay		Bottle Roll	
Footages	**Au**	**Ag**	**Au**	**Ag**
00-06	Tr	.08	Tr	.08
06-08	Tr	.07	Tr	.06
08-11	Tr	.02	Tr	.02
11-17	Tr	.02	Tr	.02
17-19	.011	.30	Tr	.07

19-24 = Fill (No Sample)

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 10901 N **Coordinate 2:** 10635 E

Elevation: 4651

	Fire Assay		Bottle Roll	
Footages	**Au**	**Ag**	**Au**	**Ag**
06-09	Tr	Tr	Tr	.10
14-18	.011	.74	.006	.48
18-23	.092	7.55	.087	5.80

00-06 = Cave In (No Sample)
09-14 = Fill (No Sample)

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 10854 N **Coordinate 2:** 10618 E

Elevation: 4649

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	Tr	.10	Tr	.06
05-11	.002	.31	Tr	.14
11-16	.016	2.61	.014	2.10
16-20	Tr	.16	Tr	.14
20-24	Tr	.07	Tr	.05
24-26	.004	.18	.002	.16

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 10939 N **Coordinate 2:** 10625 E

Elevation: 4644

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-06	Tr	Tr	.004	.06
13-20	.011	.43	.011	.38
20-24	.009	.19	.008	.19
24-26	.007	.14	.005	.15

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 9394 N **Coordinate 2:** 9917 E

Elevation: 4824

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
A	Tr	.27	Tr	.04
B	Tr	.14	Tr	.03
C	Tr	.29	Tr	.04
D	.002	.32	Tr	Tr

Pit Assay / Fire Assay & Bottle Roll

Date: 07/12/89

Coordinate 1: 10817 N **Coordinate 2:** 10610 E

Elevation: 4655

	Fire Assay		Bottle Roll	
Footages	**Au**	**Ag**	**Au**	**Ag**
00-04	Tr	.11	Tr	.06
04-08	Tr	.10	Tr	.05
08-12	.002	.27	.002	.12
12-15	.009	2.78	.009	.90
19-23	.004	.35	.004	.22
23-26	.001	.23	.002	.14

15-19 = Fill (No Sample)

Date: 7-13-84

Pit Samples

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
1	10939 N-10 625E 13-20	.44	.011	.43		.011	.38		
2	20-24	.20	.009	.19		.008	.19		
3	24-26	.15	.007	.14		.005	.15		
4	9758N BH 0-5	.11	TR	.11		.002	.11		
5	5-9	.21	.002	.21		TR	.08		
6	9-16	.39	.002	.39		.002	.34		
7	16-22	.53	.005	.53		.002	.34		
8	22-29	.17	TR	.17		TR	.17		
9	29-35	.08	TR	.08		TR	.11		
10	35-43	.06	TR	.06		TR	.05		
11	43-47	.10	TR	.10		TR	.10		
12	47-52	.06	TR	.06		TR	.07		
13	52-61	.12	TR	.12		TR	.10		
14	61-68	.05	TR	.05		TR	.04		
15	68-71	.53	.009	.54		.009	.46		
16	71-80	.21	.005	.21		.005	.16		
17	80-87	.82	.020	.80		.016	.66	Ag	
18	FCLE	.61	.043	.57		.017	[illegible]	.64	
19	FCSE	2.73	.092	2.64		.028	[illegible]	.64	

REMARKS:

Date: 7-14-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
	(3) 9563N 9932E 46-52	.22	.006	.21		.005	.20		
16 2	(4814 Elev) 52-60	.71	.012	.70		.010	.46		
17 3	60-74	.39	.007	.38		.008	.36		
	74-85	.31	.006	.31		.004	.21		
19 5	9900N 9935E 0-12	.28	.003	.28		.003	.22		
(2) 20 6	12-23	.56	.008	.55		.009	.50		
21 7	23-32	.22	.005	.22		.005	.21		
22 8	32-36	.26	.004	.26		.003	.18		
23 9	36-43	.18	Tr	.18		.002	.13		
24 10	43-49	.28	.004	.28		.003	.20		
25 11	49-54	.46	.006	.45		.005	.41		
26 12	54-59	1.14	.008	1.13		.003	.80		
27 13	59-64	.26	.004	.26		.004	.19		
28 14	64-70	.35	.004	.35		.004	.27		

REMARKS:

Set 2

Date: 7-14-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
1	② 9482 N 9937 E 0-5	.14	.003	.14		.002	.06		
2	5-13	.12	.001	.12		.001	.05		
3	13-19	.06	.002	.06		.002	.06		
4	19-26	TR	TR	TR		TR	.06		
5	26-31	.09	TR	.09		TR	.09		
6	31-36	TR	TR	TR		TR	.06		
7	36-44	TR	TR	TR		TR	.05		
	44-65	.42	.004	.42		TR	.12		
9	③ 9563 N 9932 E 0-10	.06	TR	.06		TR	.06		
10	(4814 Elev) 10-19	.15	.001	.15		.002	.14		
11	19-25	.16	TR	.16		.001	.12		
12	25-32	.14	TR	.14		TR	.10		
13	32-38	.14	TR	.14		TR	.14		
14	38-45	.26	[illegible]	.26		.002	.20		

REMARKS:

Set 1

Date: 7-14-89

Pit Samples

Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
9900N 9935E 70-81	.10	TR	.10		TR	.08		
81-95	.05	TR	.05		TR	.06		
95-102	.14	.003	.14		.002	.12		
111-130	.05	TR	.05		TR	.06		
9609N 9968E 0-14	.11	TR	.11		TR	.09		
14-17	.09	TR	.09		TR	.08		
17-21	.10	TR	.10		TR	.07		
21-28	.14	.001	.14		TR	.08		
28-33	.22	.004	.22		.003	.14		
33-40	.18	.002	.18		.002	.14		
40-48	.26	.004	.26		.004	.18		
48-62	.08	.002	.08		.002	.09		
9687N 9956E 0-17	.18	.003	.18		.002	.10		
17-30	.10	TR	.10		TR	.06		

REMARKS:

Pit Assay / Fire Assay & Bottle Roll

Date: 07/14/89

Coordinate 1: 9482 N **Coordinate 2:** 9937 E

Elevation: 4818

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	.003	.14	.002	.06
05-13	.001	.12	.001	.05
13-19	.002	.06	.002	.06
19-26	Tr	Tr	Tr	.06
26-31	Tr	.09	Tr	.09
31-36	Tr	Tr	Tr	.06
36-44	Tr	Tr	Tr	.05
44-65	.004	.42	Tr	.12

Pit Assay / Fire Assay & Bottle Roll

Date: 07/14/89

Coordinate 1: 9563 N **Coordinate 2:** 9932 E

Elevation: 4814

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-10	Tr	.06	Tr	.06
10-19	.001	.15	.002	.14
19-25	Tr	.16	.001	.12
25-32	Tr	.14	Tr	.10
32-38	Tr	.14	Tr	.14
38-45	.003	.26	.002	.20
45-52	.006	.21	.005	.20
52-60	.012	.70	.010	.46
60-74	.007	.38	.008	.36
74-85	.005	.31	.004	.21

Pit Assay / Fire Assay & Bottle Roll

Date: 07/14/89

Coordinate 1: 9609 N **Coordinate 2:** 9968 E

Elevation: 4808

Footages	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag
00-14	Tr	.11	Tr	.09
14-17	Tr	.09	Tr	.08
17-21	Tr	.10	Tr	.07
21-28	.001	.14	Tr	.08
28-33	.004	.22	.003	.14
33-40	.002	.18	.002	.14
40-48	.004	.26	.004	.18
48-62	.002	.08	.002	.09

Pit Assay / Fire Assay & Bottle Roll

Date: 07/14/89

Coordinate 1: 9758 N (Back Hoe) **Coordinate 2:** 9960 E

Elevation: 4776

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	Tr	.11	.002	.11
05-09	.002	.21	Tr	.08
09-16	.002	.39	.002	.34
16-22	.005	.53	.002	.34
22-29	Tr	.17	Tr	.17
29-35	Tr	.08	Tr	.11
35-43	Tr	.06	Tr	.05
43-47	Tr	.10	Tr	.10
47-52	Tr	.06	Tr	.07
52-61	Tr	.12	Tr	.10
61-68	Tr	.05	Tr	.04
68-71	.009	.54	.009	.46
71-80	.005	.21	.005	.16
80-87	.020	.80	.016	.66

Pit Assay / Fire Assay & Bottle Roll

Date: 07/14/89

Coordinate 1: 9900 N Coordinate 2: 9935 E

Elevation:

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-12	.003	.28	.003	.22
12-23	.008	.55	.009	.50
23-32	.005	.22	.005	.21
32-36	.004	.26	.003	.18
36-43	Tr	.18	.002	.13
43-49	.004	.28	.003	.20
49-54	.006	.45	.005	.41
54-59	.008	1.13	.003	.80
59-64	.004	.26	.004	.19
64-70	.004	.35	.004	.27
70-81	Tr	.10	Tr	.08
81-95	Tr	.05	Tr	.06
95-102	.003	.14	.002	.12
111-130	Tr	.05	Tr	.06

Pit Assay / Fire Assay & Bottle Roll

Date: 07/17/89

Coordinate 1: 9203 N Coordinate 2: 9895 E

Elevation:

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-11	Tr	.06	Tr	.04
11-21	Tr	.04	Tr	.05
21-34	Tr	.10	Tr	.08
34-42	.004	.21	.004	.18
42-57	.002	.09	.002	.08
57-75	Tr	.14	Tr	.11
75-88	Tr	.02	Tr	.03
88-100	Tr	.04	Tr	.04
100-112	.001	.16	Tr	.12
112-124	Tr	.09	Tr	.06
124-151	Tr	.07	Tr	.05
151-165	Tr	.09	Tr	.07
165-182	Tr	.05	Tr	.04
182-212	Tr	.05	Tr	.05

Pit Assay / Fire Assay & Bottle Roll

Date: 07/17/89

Coordinate 1: 9687 N **Coordinate 2:** 9956 E

Elevation: 4788

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-17	.003	.18	.002	.10
17-30	Tr	.10	Tr	.06
30-41	Tr	Tr	Tr	Tr
41-49	Tr	Tr	Tr	Tr
49-53	Tr	.04	Tr	.02
53-70	Tr	.07	Tr	.05
70-81	.003	.11	.002	.08
81-92	.002	.14	.002	.10
92-99	Tr	Tr	Tr	Tr
99-105	Tr	Tr	Tr	.02
105-111	Tr	.15	Tr	.12
111-119	.005	.47	.004	.36
119-131	Tr	.05	Tr	.05
131-138	Tr	Tr	Tr	Tr
138-155	Tr	Tr	Tr	.03

Pit Assay / Fire Assay & Bottle Roll

Date: 07/17/89

Coordinate 1: 9695 N **Coordinate 2:** 9976 E

Elevation: 4785

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-07	Tr	.03	Tr	.02
07-12	.003	.31	.003	.28
12-17	.005	.44	.004	.38
17-24	.004	.17	.002	.17
24-33	Tr	.10	Tr	.10
33-44	Tr	.09	Tr	.11
44-53	Tr	.08	Tr	.06
53-63	Tr	.12	Tr	.11
63-74	Tr	.07	Tr	.07
74-88	.003	.11	.002	.08

Date: 7-17-89

Pit Samples

Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
9203N 9895E 151-165	.09	Tr	.09		Tr	.07		
165-182	.05	Tr	.05		Tr	.04		
182-212	.05	Tr	.05		Tr	.05		

REMARKS:

Date: 7-17-89

Pit Samples

Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
9695N 9976E 7-12	.31	.003	.31		.003	.28		
12-17	.44	.005	.44		.004	.38		
17-24	.17	.004	.17		.002	.17		
24-33	.10	Tr	.10		TR	.10		
33-44	.09	Tr	.09		TR	.11		
44-53	.08	Tr	.08		TR	.06		
53-63	.12	Tr	.12		TR	.11		
63-74	.07	Tr	.07		TR	.07		
74-88	.11	.003	.11		.002	.08		
9203N 9895E 0-11	.06	Tr	.06		TR	.04		
11-21	.04	Tr	.04		TR	.05		
21-34	.10	Tr	.10		TR	.08		
34-42	.21	.004	.21		.004	.18		
42-57	.09	.002	.09		.002	.08		
57-75	.14	Tr	.14		Tr	.11		
75-88	.02	Tr	.02		Tr	.03		
88-100	.04	Tr	.04		Tr	.04		
100-112	.16	.001	.16		Tr	.12		
112-124	.09	Tr	.09		Tr	.06		
124-151	.07	Tr	.07		Tr	.05		

REMARKS:

Date: 7-17-89

Pit Samples

	Sample Identification	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
	9687N ~~9556~~ 9956E 30-41	Tr	Tr	Tr		TR	TR		
44 2	41-49	Tr	Tr	Tr		TR	TR		
45 3	49-53	.04	Tr	.04		TR	.02		
46 4	53-70	.07	Tr	.07		TR	.05		
47 5	70-81	.11 ~~.005~~	.003	.11		.002	.08		
48 6	81-92	.14	.002	.14		.002	.10		
49 7	92-99	Tr	Tr	Tr		TR	TR		
50	99-105	Tr	Tr	Tr		TR	.02		
51 9	105-111	.15	Tr	.15		TR	.12		
52 10	111-119	.47	.005	.47		.004	.36		
53 11	119-131	.05	Tr	.05		TR	.05		
54 12	131-138	Tr	Tr	Tr		TR	TR		
55 13	138-155	Tr	Tr	Tr		TR	.03		
56 14	9695N 9976E 0-7	.03	Tr	.03		TR	.02		

REMARKS:

Set 4

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10159 N Coordinate 2: 10332 E

Elevation: 4724

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	.016	.06	0.008	0.04
05-11	.038	.18	0.010	0.04
11-14	.009	123.34	0.006	108.20
14-19	.011	3.01	0.002	2.98

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10142 E Coordinate 2: 9908 N

Elevation: 4738

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-04	.026	.05	0.020	0.04
04-08	.261	.68	0.132	0.32
08-13	.023	1.26	0.016	0.26
13-17	.012	.57	0.010	0.52

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10120 N Coordinate 2: 10322 E

Elevation: 4725

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-06	.054	.78	0.030	0.62
06-08	.014	32.42	0.010	30.10
08-12	.024	49.76	0.010	44.80
12-16	.050	8.80	0.011	10.08
16-19	.032	14.30	0.016	11.60

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10100 N Coordinate 2: 10317 E

Elevation: 4725

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	.002	.02	0.002	0.02
05-06	.008	.06	0.006	0.06
06-12	.006	.28	0.006	0.26
12-15	.035	4.04	0.006	3.68
15-20	.008	7.63	0.008	8.80

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10080 N Coordinate 2: 10308 E

Elevation: 4725

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-06	.001	.01	0.004	0.02
06-11	.007	.15	0.006	0.12
11-19	.018	.94	0.014	0.58

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10060 N Coordinate 2: 10300 E

Elevation: 4726

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-06	.001	.01	0.000	0.01
06-13	.001	.01	0.004	0.02
13-17	.004	.01	0.004	0.02
17-21	.001	.07	0.004	0.06
Resamples:				
12-16			0.016	0.14
16-20			0.018	0.18

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10043 N Coordinate 2: 10288 E

Elevation: 4725

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-06	.009	.12	0.008	0.08
06-11	.004	.20	0.002	0.04
11-14	.026	.74	0.004	0.32

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 10008 N Coordinate 2: 10275 E

Elevation: 4725

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	.005	.22	0.004	0.06
05-09	.014	.25	0.006	0.10
09-13	.013	.25	0.010	0.18

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 9973 N Coordinate 2: 10262 E

Elevation: 4726

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-04	.003	.10	0.004	0.10
04-08	.010	1.79	0.010	0.82
08-12	.010	1.74	0.010	1.10
12-15	.026	2.36	0.018	1.64
15-19	.007	1.69	0.008	0.86

Pit Assay / Fire Assay & Bottle Roll

Date: 07/18/89

Coordinate 1: 9952 N Coordinate 2: 10248 E

Elevation: 4726

	Fire Assay		Bottle Roll	
Footages	Au	Ag	Au	Ag
00-05	.002	.08	0.002	0.06
05-11	.004	.09	0.004	0.08
11-17	.004	.28	0.004	0.14
17-23	.084	.91	0.088	0.54
23-28	.104	21.59	0.068	20.00
28-33	.008	2.20	0.008	1.04
33-37	.008	3.15	0.008	1.88
37-42	.012	1.54	0.012	1.00
42-46	.014	.93	0.010	0.46

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
								Bottle Roll Total Value Order					
10100N	10317E	4725	12--	15	.0000	.0000	.00	.0060	3.6800	23.56	.0000	.0000	.00
10427N	10433E	4736	07--	12	.0000	.0000	.00	.0520	1.0400	25.27	.0000	.0000	.00
10224N	10354E	4713	23--	28	.0000	.0000	.00	.0180	3.8000	28.70	.0000	.0000	.00
11758N	10696E	4600	17--	22	.0000	.0000	.00	.0460	2.0500	28.91	.0000	.0000	.00
10220N	10344E	4723	00--	02	.0000	.0000	.00	.0090	5.0400	32.56	.0000	.0000	.00
9952N	10248E	4726	17--	23	.0000	.0000	.00	.0880	.5400	35.69	.0000	.0000	.00
10200N	10342E	4723	09--	13	.0000	.0000	.00	.0160	6.6000	44.20	.0000	.0000	.00

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 20.00 Ceiling Price: 50.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Bottle Roll Total Value Order

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
10139N	10328E	4724	04--	08	.0000	.0000	.00	.1320	.3200	50.69	.0000	.0000	.00
10142E	9908N	4738	04--	08	.0000	.0000	.00	.1320	.3200	50.69	.0000	.0000	.00
10100N	10317E	4725	15--	20	.0000	.0000	.00	.0080	8.8000	54.00	.0000	.0000	.00
10220N	10344E	4723	02--	06	.0000	.0000	.00	.0060	9.0600	54.76	.0000	.0000	.00
10249N	10350E	4716	20--	27	.0000	.0000	.00	.0700	5.5000	57.80	.0000	.0000	.00
10220N	10344E	4723	06--	10	.0000	.0000	.00	.0440	7.2200	58.15	.0000	.0000	.00
10120N	10322E	4725	12--	16	.0000	.0000	.00	.0110	10.0800	62.53	.0000	.0000	.00
10224N	10354E	4713	18--	23	.0000	.0000	.00	.0150	10.1500	64.42	.0000	.0000	.00
10901N	10635E	4651	18--	23	.0920	7.5500	77.83	.0870	5.8000	65.83	.0000	.0000	.00
10408N	10423E	4733	02--	05	.0000	.0000	.00	.0460	8.9400	68.87	.0000	.0000	.00
10582N	10500E	4730	15--	20	.0080	19.7500	117.51	.0060	11.8800	71.12	.0000	.0000	.00
10427N	10433E	4736	12--	14	.0000	.0000	.00	.0640	8.2000	71.24	.0000	.0000	.00
10249N	10350E	4716	27--	35	.0000	.0000	.00	.0620	8.4000	71.66	.0000	.0000	.00
10120N	10322E	4725	16--	19	.0000	.0000	.00	.0160	11.6000	73.20	.0000	.0000	.00

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 50.00 Ceiling Price: 80.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal

Bottle Roll Total Value Order

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 80.00 Ceiling Price: 110.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal	AD Au	AD Ag	AD TVal
							Bottle Roll Total Value Order					
10179N	10338E	4724	00-- 06	.0000	.0000	.00	.0140	21.2000	128.14	.0000	.0000	.00

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 110.00 Ceiling Price: 140.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
							Bottle Roll Total Value Order		
10179N	10338E	4724	00--	06	.0000	.0000	.00	.0140	21.2000	128.14

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 110.00 Ceiling Price: 140.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
							Bottle Roll Total Value Order		
9952N	10248E	4726	23-- 28	.0000	.0000	.00	.0680	20.0000	141.16

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 140.00 Ceiling Price: 170.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
								Bottle Roll Total Value Order		
10120N	10322E	4725	06--	08	.0000	.0000	.00	.0100	30.1000	178.28

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.80
Floor Price: 170.00 Ceiling Price: 200.00

TOPO L-6
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Date 07/27/89 Assay Values - AU/AG Total Page No 1
Time 10:07 am PBR Minerals, Inc. Appl pt 315

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
								Bottle Roll Total Value Order		
10179N	10338E	4724	00--	06	.0000	.0000	.00	.0140	21.2000	128.14
9952N	10248E	4726	23--	28	.0000	.0000	.00	.0580	20.0000	141.16
10120N	10322E	4725	06--	08	.0000	.0000	.00	.0100	30.1000	178.28
10249N	10350E	4716	00--	03	.0000	.0000	.00	.0740	32.7200	217.15
10120N	10322E	4725	08--	12	.0000	.0000	.00	.0100	44.8000	263.54
10179N	10338E	4724	06--	09	.0000	.0000	.00	.0052	49.5000	289.02
10159N	10332E	4724	11--	14	.0000	.0000	.00	.0060	108.2000	629.78
						Avg Values:	.00			263.86

Conversion Price/Oz AU: 300.00 Conversion Price/Oz AG: 25.00
Floor Price: 100.00 Ceiling Price: 999.00

Assay Values - AU/AG Total
PBR Minerals, Inc.

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
								Bottle Roll Total Value Order		
10220N	10344E	4723	00--	02	.0000	.0000	.00	.0090	5.0400	32.56
9952N	10248E	4726	17--	23	.0000	.0000	.00	.0880	.5400	35.69
10200N	10342E	4723	09--	13	.0000	.0000	.00	.0160	6.6000	44.20
10139N	10328E	4724	04--	08	.0000	.0000	.00	.1320	.3200	50.69
10142E	9908N	4738	04--	08	.0000	.0000	.00	.1320	.3200	50.69
10100N	10317E	4725	15--	20	.0000	.0000	.00	.0080	8.8000	54.00
10220N	10344E	4723	02--	06	.0000	.0000	.00	.0060	9.0600	54.76
10249N	10350E	4716	20--	27	.0000	.0000	.00	.0700	5.5000	57.80
10220N	10344E	4723	06--	10	.0000	.0000	.00	.0440	7.2200	58.15
10120N	10322E	4725	12--	16	.0000	.0000	.00	.0110	10.0800	62.53
10224N	10354E	4713	18--	23	.0000	.0000	.00	.0150	10.1500	64.42
10901N	10635E	4651	18--	23	.0920	7.5500	77.83	.0870	5.8000	65.83
10408N	10423E	4733	02--	05	.0000	.0000	.00	.0460	8.9400	68.87
10582N	10500E	4730	15--	20	.0080	19.7500	117.51	.0060	11.8800	71.12
10427N	10433E	4736	12--	14	.0000	.0000	.00	.0640	8.2000	71.24
10249N	10350E	4716	27--	35	.0000	.0000	.00	.0620	8.4000	71.66
10120N	10322E	4725	16--	19	.0000	.0000	.00	.0160	11.6000	73.20
10179N	10338E	4724	00--	06	.0000	.0000	.00	.0140	21.2000	128.14
9952N	10248E	4726	23--	28	.0000	.0000	.00	.0680	20.0000	141.16
10120N	10322E	4725	06--	08	.0000	.0000	.00	.0100	30.1000	178.28
10249N	10350E	4716	00--	03	.0000	.0000	.00	.0740	32.7200	217.15
10120N	10322E	4725	08--	12	.0000	.0000	.00	.0100	44.8000	263.54
10179N	10338E	4724	06--	09	.0000	.0000	.00	.0052	49.5000	289.02
10159N	10332E	4724	11--	14	.0000	.0000	.00	.0060	108.2000	629.78
						Avg Values:	8.13			118.10

Conversion Price/Oz AU: 300.00 Conversion Price/Oz AG: 25.00
Floor Price: 30.00 Ceiling Price: 999.99

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
								Bottle Roll Total Value Order		
10220N	10344E	4723	00--	02	.0000	.0000	.00	.0090	5.0400	32.56
9952N	10248E	4726	17--	23	.0000	.0000	.00	.0880	.5400	35.69
10200N	10342E	4723	09--	13	.0000	.0000	.00	.0160	6.6000	44.20
10139N	10328E	4724	04--	08	.0000	.0000	.00	.1320	.3200	50.69
10[illegible]E	9908N	4738	04--	08	.0000	.0000	.00	.1320	.3200	50.69
10[illegible]N	10317E	4725	15--	20	.0000	.0000	.00	.0080	8.8000	54.00
10220N	10344E	4723	02--	06	.0000	.0000	.00	.0060	9.0600	54.76
10249N	10350E	4716	20--	27	.0000	.0000	.00	.0700	5.5000	57.80
10220N	10344E	4723	06--	10	.0000	.0000	.00	.0440	7.2200	58.15
10120N	10322E	4725	12--	16	.0000	.0000	.00	.0110	10.0800	62.53
10224N	10354E	4713	18--	23	.0000	.0000	.00	.0150	10.1500	64.42
10[illegible]	10635E	4651	18--	23	.0920	7.5500	77.83	.0870	5.8000	65.83
10408N	10423E	4733	02--	05	.0000	.0000	.00	.0460	8.9400	68.87
10382N	10500E	4730	15--	20	.0080	19.7500	117.51	.0060	11.8800	71.12
10427N	10433E	4736	12--	14	.0000	.0000	.00	.0640	8.2000	71.24
10249N	10350E	4716	27--	35	.0000	.0000	.00	.0620	8.4000	71.66
10120N	10322E	4725	16--	19	.0000	.0000	.00	.0160	11.6000	73.20
10179N	10338E	4724	00--	06	.0000	.0000	.00	.0140	21.2000	128.14
9952N	10248E	4726	23--	28	.0000	.0000	.00	.0680	20.0000	141.16
10120N	10322E	4725	06--	08	.0000	.0000	.00	.0100	30.1000	178.28
10249N	10350E	4716	00--	03	.0000	.0000	.00	.0740	32.7200	217.15
10120N	10322E	4725	08--	12	.0000	.0000	.00	.0100	44.8000	263.54
10179N	10338E	4724	06--	09	.0000	.0000	.00	.0052	49.5000	289.02
10159N	10332E	4724	11--	14	.0000	.0000	.00	.0060	108.2000	629.78

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.30
Floor Price: 30.00 Ceiling Price: 999.99

Date 07/27/89
Time 1:32 pm

Coordinates Report
PBR Minerals, Inc.

Appl pt 316

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
10142E	9908N	4738								
			00--	04	.0000	.0000	.00	.0200	.0400	7.63
			04--	08	.0000	.0000	.00	.1320	.3200	50.69
			08--	13	.0000	.0000	.00	.0160	.2600	7.42
			13--	17	.0000	.0000	.00	.0100	.5200	6.71

Conversion Price/Oz AU: 370.00 Conversion Price/Oz AG: 5.30

Date: 8-1-85

Pit Samples

Sample Identification	Fire Assay Dore'	Au	Ag		Bottle Roll Au	Ag		
10280 N Grab	TR	T.R	TR					
10117 Grab	104.58	.007	104.57					

REMARKS:

Date: 8-1-89

Pit Samples

	Sample Identification		Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
1	10863N 10712E	0-3	.07	Tr	.07					
2		3-6	Tr	Nil ~~Tr~~	Tr					
3		6-11	.07	Tr	.07					
4		11-18	.02	Tr	.02					
5	10875N 10724E	0-6	Tr	Nil	Tr					
6		6-13	Tr	Nil	Tr					
7		13-15	Tr	Nil	Tr					
8		15-19	Tr	Nil	Tr					
9	10890N 10742E	9-11	.02	Tr	.02					
10		11-13	Tr	Nil	Tr					
11		13-16	Tr	Nil	Tr					
12		16-19	.16	Tr	.16					
13		19-26	Tr	Nil	Tr					
14	10902N 10754E	0-7	.03	Tr	.03					
15		7-13	.09	Tr	.09					
16		13-17	.28	.003	.28					
17		17-25	.11	Tr	.11					
18	10919N 10774E	8-10	.32	.005	.32					
19		10-12	.34	.004	.34					
20		12-14	.04	Tr	.04					

REMARKS:

Date: 8-1-89

Pit Samples

Sample Identification		Fire Assay Dore'	Fire Assay Au	Fire Assay Ag		Bottle Roll Au	Bottle Roll Ag		
10919N 10774E	14-19	.06	TR	.06					
22	19-23	.08	TR	.08					
10890N 10742E	0-9	TR	Nil	TR					
23 11750N See new coords	0-8	.12	TR	.12					
25	8-15	.10	TR	.10					
	15-19	TR	TR	TR					
	19-29	TR	TR	TR					
	29-36	TR	TR	TR					
	36-42	.02	TR	.02					
	42-46	TR	TR	TR					
	46-52	.04	TR	.04					
	52-57	.04	TR	.04					
	57-68	TR	TR	TR					
	68-72	.02	TR	.02					
10705N 10558E	0-5	.02	.001	.02					
	5-9	.04	.001	.04					
	9-14	.02	TR	.02					
(17-23 = All)	14-17	.02	TR	.02					
100' S of GC	GRAB	TR	TR	TR					
10159	Grab	1.92	.014	1.91					

REMARKS:

Coord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
							Bottle Roll Total Value Order		
10919	10774e	0	8-- 10	.0050	.3200	.00	.0000	.0000	.00
10919	10774e	0	10-- 12	.0040	.3400	.00	.0000	.0000	.00
10919	10774e	0	12-- 14	.0001	.0400	.00	.0000	.0000	.00
10919	10774e	0	14-- 19	.0001	.0600	.00	.0000	.0000	.00
10919	10774e	0	19-- 23	.0001	.0800	.00	.0000	.0000	.00
10550N	10482E	4736	32-- 37	.0000	.0000	.00	.0000	.0000	.00
10550N	10482E	4736	37-- 43	.0000	.0000	.00	.0000	.0000	.00
10550N	10482E	4736	43-- 49	.0000	.0000	.00	.0000	.0000	.00
10550N	10482E	4736	49-- 58	.0000	.0000	.00	.0000	.0000	.00
10550N	10482E	4736	58-- 65	.0000	.0000	.00	.0000	.0000	.00
10550N	10482E	4736	65-- 71	.0000	.0000	.00	.0000	.0000	.00
10550N	10482E	4736	71-- 80	.0000	.0100	.05	.0000	.0000	.00
10550N	10482E	4736	80-- 94	.0000	.0100	.05	.0000	.0000	.00
10550N	10482E	4736	94-- 102	.0000	.0100	.05	.0000	.0000	.00
10660N	10539E	4704	16-- 20	.0000	.0000	.00	.0000	.0000	.00
10742N	10572E	4680	19-- 24	.0000	.0000	.00	.0000	.0000	.00
9394N	9917E	4824	-- D	.0020	.3200	2.59	.0001	.0001	.03
9687N	9956E	4788	30-- 41	.0000	.0001	.00	.0001	.0001	.03
9687N	9956E	4788	41-- 49	.0000	.0001	.00	.0001	.0001	.03
9687N	9956E	4788	92-- 99	.0000	.0001	.00	.0001	.0001	.03
9687N	9956E	4788	131-- 138	.0000	.0001	.00	.0001	.0001	.03
9765N	10235E	4710	49-- 55	.0000	.0000	.00	.0000	.0100	.05
10060N	10300E	4726	0-- 6	.0010	.0100	.00	.0000	.0100	.05
9758N	9960E	4776	00-- 32	.0000	.0300	.17	.0000	.0200	.11
9758N	9960E	4776	32-- 39	.0000	.0500	.29	.0000	.0200	.11
9765N	10235E	4710	30-- 37	.0000	.0000	.00	.0000	.0200	.11
10459E	10496N	4745	80-- 92	.0000	.0400	.23	.0000	.0200	.11
10459E	10496N	4745	126-- 138	.0000	.0300	.17	.0000	.0200	.11
10459E	10496N	4745	146-- 154	.0000	.0400	.23	.0000	.0200	.11
10459E	10496N	4745	165-- 174	.0000	.0200	.11	.0000	.0200	.11
10462N	10450E	4742	04-- 06	.0000	.0000	.00	.0000	.0200	.11
10660N	10539E	4704	00-- 05	.0000	.0200	.11	.0000	.0200	.11
9687N	9956E	4788	49-- 53	.0000	.0400	.23	.0001	.0200	.14
9687N	9956E	4788	99-- 105	.0000	.0001	.00	.0001	.0200	.14
9695N	9976E	4785	00-- 07	.0000	.0300	.17	.0001	.0200	.14
10742N	10572E	4680	07-- 11	.0000	.0001	.00	.0001	.0200	.14
9765N	10235E	4710	77-- 85	.0000	.0000	.00	.0000	.0300	.17
9765N	10235E	4710	85-- 92	.0000	.0000	.00	.0000	.0300	.17
10459E	10496N	4745	154-- 165	.0000	.0700	.40	.0000	.0300	.17
9203N	9895E	4814	75-- 88	.0000	.0200	.11	.0001	.0300	.20
9394N	9917E	4824	-- B	.0001	.1400	.84	.0001	.0300	.20
9687N	9956E	4788	138-- 155	.0000	.0001	.00	.0001	.0300	.20
10017N	10021E	4754	79-- 90	.0001	.0001	.03	.0001	.0300	.20
10017N	10021E	4754	90-- 103	.0001	.0200	.14	.0001	.0300	.20
10017N	10021E	4754	164-- 172	.0001	.0600	.37	.0001	.0300	.20
10017N	10021E	4754	172-- 179	.0001	.0500	.32	.0001	.0300	.20
10017N	10021E	4754	179-- 196	.0001	.0600	.37	.0001	.0300	.20
10742N	10572E	4680	00-- 07	.0000	.0001	.00	.0001	.0300	.20
9765N	10235E	4710	61-- 69	.0000	.0000	.00	.0000	.0400	.23
9765N	10235E	4710	69-- 77	.0000	.0000	.00	.0000	.0400	.23
10459E	10496N	4745	45-- 53	.0000	.0400	.23	.0000	.0400	.23

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
10459E	10496N	4745	66--	73	.0000	.0300	.17	.0000	.0400	.23
10459E	10496N	4745	92--	102	.0000	.0500	.29	.0000	.0400	.23
10505N	10470E	4740	10--	13	.0000	.1300	.75	.0000	.0400	.23
10505N	10470E	4740	28--	35	.0000	.1800	1.04	.0000	.0400	.23
9203N	9895E	4814	00--	11	.0000	.0600	.34	.0001	.0400	.26
9203N	9895E	4814	88--	100	.0000	.0400	.23	.0001	.0400	.26
9203N	9895E	4814	165--	182	.0000	.0500	.29	.0001	.0400	.26
9394N	9917E	4824	-- C		.0000	.2900	1.68	.0001	.0400	.26
9758N	9960E	4776	61--	68	.0000	.0500	.29	.0001	.0400	.26
10017N	10021E	4754	132--	148	.0001	.0001	.03	.0001	.0400	.26
9765N	10235E	4710	55--	61	.0000	.0000	.00	.0000	.0500	.29
10459E	10496N	4745	138--	146	.0000	.1200	.69	.0000	.0500	.29
11638N	10616E	4606	49--	57	.0000	.0000	.00	.0000	.0500	.29
9203N	9895E	4814	11--	21	.0000	.0400	.23	.0001	.0500	.32
9203N	9895E	4814	124--	151	.0000	.0700	.40	.0001	.0500	.32
9203N	9895E	4814	182--	212	.0000	.0500	.29	.0001	.0500	.32
9482N	9937E	4818	36--	44	.0000	.0001	.00	.0001	.0500	.32
9687N	9956E	4788	53--	70	.0000	.0700	.40	.0001	.0500	.32
9687N	9956E	4788	119--	131	.0000	.0500	.29	.0001	.0500	.32
9758N	9960E	4776	35--	43	.0000	.0600	.34	.0001	.0500	.32
10017N	10021E	4754	196--	211	.0001	.0001	.03	.0001	.0500	.32
10854N	10618E	4649	20--	24	.0000	.0700	.40	.0001	.0500	.32
10354E	9874N	4714	30--	39	.0000	.0000	.00	.0000	.0600	.34
10459E	10496N	4745	53--	61	.0000	.0600	.34	.0000	.0600	.34
10459E	10496N	4745	102--	114	.0000	.0800	.46	.0000	.0600	.34
10459E	10496N	4745	174--	185	.0000	.0400	.23	.0000	.0600	.34
10505N	10470E	4740	24--	28	.0000	.0800	.46	.0000	.0600	.34
10660N	10539E	4704	05--	09	.0000	.0700	.40	.0000	.0600	.34
10764N	10584E	4776	00--	07	.0000	.0600	.34	.0000	.0600	.34
11638N	10616E	4606	43--	49	.0000	.0000	.00	.0000	.0600	.34
9203N	9895E	4814	112--	124	.0000	.0900	.52	.0001	.0600	.37
9482N	9937E	4818	19--	26	.0000	.0001	.00	.0001	.0600	.37
9482N	9937E	4818	31--	36	.0000	.0001	.00	.0001	.0600	.37
9687N	9956E	4788	17--	30	.0000	.1000	.58	.0001	.0600	.37
9695N	9976E	4785	44--	53	.0000	.0800	.46	.0001	.0600	.37
9908N	10329E	4725	81--	95	.0000	.0500	.29	.0001	.0600	.37
9908N	10329E	4725	111--	130	.0000	.0500	.29	.0001	.0600	.37
10017N	10021E	4754	36--	45	.0001	.0400	.26	.0001	.0600	.37
10017N	10021E	4754	67--	79	.0001	.0500	.32	.0001	.0600	.37
10017N	10021E	4754	116--	132	.0001	.1100	.66	.0001	.0600	.37
10017N	10021E	4754	148--	164	.0001	.0900	.55	.0001	.0600	.37
10742N	10572E	4680	11--	15	.0010	.0800	.83	.0001	.0600	.37
9758N	9960E	4776	96--	105	.0010	.0600	.71	.0000	.0700	.40
9886N	10239E	4723	30--	36	.0000	.0000	.00	.0000	.0700	.40
10354E	9874N	4714	09--	19	.0000	.0000	.00	.0000	.0700	.40
10505N	10470E	4740	13--	16	.0000	.1500	.87	.0000	.0700	.40
10505N	10470E	4740	48--	60	.0000	.0700	.40	.0000	.0700	.40
9203N	9895E	4814	151--	165	.0000	.0900	.52	.0001	.0700	.43
9609N	9968E	4808	17--	21	.0000	.1000	.58	.0001	.0700	.43
9695N	9976E	4785	63--	74	.0000	.0700	.40	.0001	.0700	.43
9758N	9960E	4776	47--	52	.0000	.0600	.34	.0001	.0700	.43
10017N	10021E	4754	28--	36	.0001	.0700	.43	.0001	.0700	.43
10017N	10021E	4754	103--	116	.0001	.0800	.49	.0001	.0700	.43

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
9758N	9960E	4776	46--	58	.0030	.1900	2.21	.0000	.0800	.46
9758N	9960E	4776	105--	117	.0000	.0800	.46	.0000	.0800	.46
10354E	9874N	4714	19--	30	.0000	.0000	.00	.0000	.0800	.46
10459E	10496N	4745	61--	66	.0000	.0900	.52	.0000	.0800	.46
10764N	10584E	4776	07--	10	.0000	.0900	.52	.0000	.0800	.46
10846N	10667E	4663	154--	161	.0000	.0000	.00	.0000	.0800	.46
10846N	10667E	4663	161--	179	.0000	.0000	.00	.0000	.0800	.46
9203N	9895E	4814	21--	34	.0000	.1000	.58	.0001	.0800	.49
9609N	9968E	4808	14--	17	.0000	.0900	.52	.0001	.0800	.49
9609N	9968E	4808	21--	28	.0010	.1400	1.18	.0001	.0800	.49
9758N	9960E	4776	05--	09	.0020	.2100	1.95	.0001	.0800	.49
9908N	10329E	4725	70--	81	.0000	.1000	.58	.0001	.0800	.49
10354E	9874N	4714	00--	09	.0000	.0000	.00	.0000	.0900	.52
10660N	10539E	4704	09--	12	.0000	.1300	.75	.0000	.0900	.52
10846N	10667E	4663	143--	149	.0000	.0000	.00	.0000	.0900	.52
9482N	9937E	4818	26--	31	.0000	.0900	.52	.0001	.0900	.55
9609N	9968E	4808	00--	14	.0000	.1100	.63	.0001	.0900	.55
10017N	10021E	4754	23--	28	.0001	.1100	.66	.0001	.0900	.55
9758N	9960E	4776	39--	46	.0020	.1400	1.55	.0000	.1000	.58
9886N	10239E	4723	38--	41	.0000	.0000	.00	.0000	.1000	.58
12682N	11016E	4518	25--	35	.0000	.0000	.00	.0000	.1000	.58
9563N	9932E	4814	25--	32	.0010	.1400	1.18	.0001	.1000	.61
9695N	9976E	4785	24--	33	.0000	.1000	.58	.0001	.1000	.61
9758N	9960E	4776	43--	47	.0000	.1000	.58	.0001	.1000	.61
9758N	9960E	4776	52--	61	.0000	.1200	.69	.0001	.1000	.61
10846N	10667E	4663	149--	154	.0000	.0000	.00	.0000	.1100	.63
9203N	9895E	4814	57--	75	.0000	.1400	.81	.0001	.1100	.66
9482N	9937E	4818	05--	13	.0010	.1200	1.06	.0010	.0500	.66
9695N	9976E	4785	33--	44	.0000	.0900	.52	.0001	.1100	.66
9695N	9976E	4785	53--	63	.0000	.1200	.69	.0001	.1100	.66
9758N	9960E	4776	29--	35	.0000	.0800	.46	.0001	.1100	.66
10600N	10512E	4726	06--	10	.0000	.4800	2.78	.0000	.1200	.69
10764N	10584E	4776	10--	15	.0000	.1600	.92	.0000	.1200	.69
9203N	9895E	4814	100--	112	.0010	.1600	1.29	.0001	.1200	.72
9482N	9937E	4818	44--	65	.0040	.4200	3.91	.0001	.1200	.72
9687N	9956E	4788	105--	111	.0000	.1500	.87	.0001	.1200	.72
10846N	10667E	4663	179--	205	.0000	.0000	.00	.0000	.1400	.81
9563N	9932E	4814	32--	38	.0010	.1400	1.18	.0001	.1400	.84
10854N	10618E	4649	05--	11	.0020	.3100	2.53	.0001	.1400	.84
10854N	10618E	4649	16--	20	.0000	.1600	.92	.0001	.1400	.84
9765N	10235E	4710	10--	17	.0000	.0000	.00	.0020	.0200	.85
9765N	10235E	4710	17--	24	.0000	.0000	.00	.0020	.0200	.85
9765N	10235E	4710	37--	45	.0000	.0000	.00	.0020	.0200	.85
10100N	10317E	4725	0--	5	.0020	.0200	.00	.0020	.0200	.85
10408N	10423E	4733	19--	22	.0000	.0000	.00	.0020	.0200	.85
9886N	10239E	4723	18--	23	.0000	.0000	.00	.0020	.0300	.91
9886N	10239E	4723	07--	11	.0000	.0000	.00	.0020	.0400	.97
9886N	10239E	4723	11--	18	.0000	.0000	.00	.0020	.0400	.97
10043N	10288E	4725	6--	11	.0040	.2000	.00	.0020	.0400	.97
10347N	10401E	4720	15--	20	.0000	.0000	.00	.0020	.0400	.97
10618N	10518N	4721	00--	05	.0000	.0600	.34	.0020	.0400	.97
9758N	9960E	4776	22--	29	.0000	.1700	.98	.0001	.1700	1.01
10347N	10401E	4720	03--	05	.0000	.0000	.00	.0000	.1800	1.04

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
9563N	9932E	4814	19--	25	.0010	.1600	1.29	.0010	.1200	1.06
10017N	10021E	4754	11--	23	.0020	.2200	2.01	.0001	.1800	1.07
9482N	9937E	4818	00--	05	.0030	.1400	1.92	.0020	.0600	1.08
9482N	9937E	4818	13--	19	.0020	.0600	1.08	.0020	.0600	1.08
9952N	10248E	4726	0--	5	.0020	.0800	.00	.0020	.0600	1.08
10459E	10496N	4745	73--	80	.0000	.0600	.34	.0020	.0600	1.08
10459E	10496N	4745	114--	126	.0000	.0600	.34	.0020	.0600	1.08
10846N	10667E	4663	54--	66	.0000	.0000	.00	.0020	.0600	1.08
11667N	10695E	4600	05--	09	.0000	.0000	.00	.0020	.0700	1.14
10347N	10401E	4720	02--	03	.0000	.0000	.00	.0000	.2000	1.16
10600N	10512E	4726	23--	31	.0000	.2900	1.68	.0010	.1400	1.18
9203N	9895E	4814	42--	57	.0020	.0900	1.26	.0020	.0800	1.20
9687N	9956E	4788	70--	81	.0030	.1100	1.74	.0020	.0800	1.20
9695N	9976E	4785	74--	88	.0030	.1100	1.74	.0020	.0800	1.20
10618N	10518N	4721	05--	09	.0000	.1600	.92	.0020	.0800	1.20
11667N	10695E	4600	09--	15	.0000	.0000	.00	.0020	.0800	1.20
9609N	9968E	4808	48--	62	.0020	.0800	1.20	.0020	.0900	1.26
10017N	10021E	4754	53--	67	.0001	.1100	.66	.0020	.0900	1.26
10347N	10401E	4720	00--	02	.0000	.0000	.00	.0010	.1600	1.29
9687N	9956E	4788	00--	17	.0030	.1800	2.15	.0020	.1000	1.32
9687N	9956E	4788	81--	92	.0020	.1400	1.55	.0020	.1000	1.32
9765N	10235E	4710	45--	49	.0000	.0000	.00	.0020	.1000	1.32
10600N	10512E	4726	00--	06	.0000	.2200	1.27	.0020	.1000	1.32
10618N	10518N	4721	09--	14	.0000	.2200	1.27	.0020	.1000	1.32
10459E	10496N	4745	00--	08	.0000	.0400	.23	.0030	.0400	1.34
9758N	9960E	4776	00--	05	.0000	.1100	.63	.0020	.1100	1.37
9758N	9960E	4776	117--	145	.0000	.1300	.75	.0020	.1100	1.37
10505N	10470E	4740	35--	42	.0000	.7300	4.23	.0020	.1100	1.37
10459E	10496N	4745	08--	16	.0000	.0500	.29	.0030	.0500	1.40
9758N	9960E	4776	58--	65	.0030	.2300	2.44	.0020	.1200	1.43
9908N	10329E	4725	95--	102	.0030	.1400	1.92	.0020	.1200	1.43
10505N	10470E	4740	42--	48	.0000	.3500	2.03	.0020	.1200	1.43
9908N	10329E	4725	36--	43	.0000	.1800	1.04	.0020	.1300	1.49
10742N	10572E	4680	15--	19	.0040	.2700	3.04	.0020	.1300	1.49
9563N	9932E	4814	10--	19	.0000	.1500	.87	.0020	.1400	1.55
9609N	9968E	4808	33--	40	.0020	.1800	1.78	.0020	.1400	1.55
10216E	9917N	4729	28--	34	.0000	.0000	.00	.0020	.1400	1.55
10550N	10482E	4736	00--	04	.0000	.0600	.34	.0030	.0800	1.57
10060N	10300E	4726	6--	13	.0010	.0100	.00	.0040	.0200	1.59
10060N	10300E	4726	13--	17	.0040	.0100	.00	.0040	.0200	1.59
10080N	10308E	4725	0--	6	.0010	.0100	.00	.0040	.0200	1.59
10291N	10360E	4725	00--	03	.0000	.0000	.00	.0040	.0200	1.59
10393N	10418E	4730	15--	18	.0000	.0000	.00	.0040	.0200	1.59
10393N	10418E	4730	15--	18	.0000	.0000	.00	.0040	.0200	1.59
10505N	10470E	4740	16--	24	.0000	.4400	2.55	.0020	.1500	1.61
10854N	10618E	4649	24--	26	.0040	.1800	2.52	.0020	.1600	1.66
9765N	10235E	4710	120--	129	.0000	.0000	.00	.0030	.1000	1.69
10660N	10539E	4704	12--	16	.0000	.1100	.63	.0030	.1000	1.69
10846N	10667E	4663	127--	143	.0000	.0000	.00	.0010	.2300	1.70
9886N	10239E	4723	27--	30	.0000	.0000	.00	.0040	.0400	1.71
10291N	10360E	4725	03--	07	.0000	.0000	.00	.0040	.0400	1.71
10459E	10496N	4745	37--	45	.0000	.0500	.29	.0040	.0400	1.71
11892N	10793E	4592	00--	10	.0000	.0000	.00	.0040	.0400	1.71

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
12304N	10896E	4556	09--	14	.0000	.0000	.00	.0040	.0400	1.71
9695N	9976E	4785	17--	24	.0040	.1700	2.46	.0020	.1700	1.72
9886N	10239E	4723	47--	52	.0000	.0000	.00	.0030	.1100	1.74
12986N	11054E	4536	19--	29	.0000	.0000	.00	.0030	.1200	1.80
9886N	10239E	4723	00--	07	.0000	.0000	.00	.0040	.0600	1.82
10008N	10275E	4725	0--	5	.0050	.2200	.00	.0040	.0600	1.82
10060N	10300E	4726	17--	21	.0010	.0700	.00	.0040	.0600	1.82
10393N	10418E	4730	10--	12	.0000	.0000	.00	.0040	.0600	1.82
10393N	10418E	4730	10--	12	.0000	.0000	.00	.0040	.0600	1.82
10459E	10496N	4745	21--	31	.0000	.0700	.40	.0040	.0600	1.82
11638N	10616E	4606	32--	38	.0000	.0000	.00	.0040	.0600	1.82
12380N	10946E	4548	10--	16	.0000	.0000	.00	.0040	.0600	1.82
11667N	10695E	4600	00--	05	.0000	.0000	.00	.0040	.0700	1.88
9563N	9932E	4814	38--	45	.0000	.2600	1.50	.0020	.2000	1.90
9609N	9968E	4808	28--	33	.0040	.2200	2.75	.0030	.1400	1.92
9886N	10239E	4723	36--	38	.0000	.0000	.00	.0040	.0800	1.94
9952N	10248E	4726	5--	11	.0040	.0900	.00	.0040	.0800	1.94
12986N	11054E	4536	29--	42	.0000	.0000	.00	.0040	.0800	1.94
10644E	10896N	4652	11--	23	.0000	.0000	.00	.0020	.2100	1.95
10224N	10354E	4713	00--	03	.0000	.0000	.00	.0040	.0900	2.00
10600N	10512E	4726	14--	23	.0000	.2200	1.27	.0020	.2200	2.01
9973N	10262E	4726	0--	4	.0030	.1000	.00	.0040	.1000	2.06
10846N	10667E	4663	113--	119	.0000	.0000	.00	.0040	.1000	2.06
10764N	10584E	4776	15--	19	.0000	.9800	5.68	.0000	.3600	2.08
12102N	10841E	4572	50--	57	.0000	.0000	.00	.0050	.0400	2.08
10347N	10401E	4720	25--	30	.0000	.0000	.00	.0050	.0500	2.14
9908N	10329E	4725	32--	36	.0040	.2600	2.98	.0030	.1800	2.15
10950N	10826E	4684	12--	28	.0000	.0000	.00	.0030	.1800	2.15
9758N	9960E	4776	86--	96	.0040	.1600	2.40	.0040	.1200	2.17
10017N	10021E	4754	45--	53	.0020	.1000	1.32	.0040	.1200	2.17
10977N	10590E	4641	41--	51	.0000	.0000	.00	.0040	.1200	2.17
11787N	10764E	4595	22--	34	.0000	.0000	.00	.0050	.0600	2.19
9886N	10239E	4723	58--	71	.0000	.0000	.00	.0040	.1300	2.23
10345E	10375N	4770	60--	65	.0000	.0000	.00	.0050	.0700	2.25
9908N	10329E	4725	43--	49	.0040	.2800	3.10	.0030	.2000	2.27
10644E	10896N	4652	00--	11	.0000	.0000	.00	.0030	.2000	2.27
9952N	10248E	4726	11--	17	.0040	.2800	.00	.0040	.1400	2.29
10505N	10470E	4740	06--	10	.0000	1.3200	7.65	.0040	.1400	2.29
12102N	10841E	4572	06--	12	.0000	.0000	.00	.0040	.1400	2.29
13082N	11072E	4545	11--	19	.0000	.0000	.00	.0040	.1400	2.29
10347N	10401E	4720	20--	25	.0000	.0000	.00	.0050	.0800	2.31
9765N	10235E	4710	00--	04	.0000	.0000	.00	.0060	.0200	2.33
10378N	10412E	4725	00--	02	.0000	.0000	.00	.0060	.0200	2.33
10443N	10442E	4739	07--	10	.0000	.0000	.00	.0060	.0200	2.33
10216E	9917N	4729	14--	28	.0000	.0000	.00	.0040	.1500	2.35
9908N	10329E	4725	00--	12	.0030	.2800	2.73	.0030	.2200	2.38
12205N	10867E	4563	08--	15	.0000	.0000	.00	.0060	.0300	2.39
10618N	10518N	4721	20--	28	.0000	.3000	1.74	.0040	.1600	2.40
12884N	11046E	4526	25--	33	.0000	.0000	.00	.0050	.1000	2.43
11787N	10764E	4595	34--	37	.0000	.0000	.00	.0060	.0400	2.45
12304N	10896E	4556	00--	09	.0000	.0000	.00	.0060	.0400	2.45
10216E	9917N	4729	00--	05	.0000	.0000	.00	.0040	.1700	2.46
10224N	10354E	4713	34--	35	.0000	.0000	.00	.0020	.3000	2.48

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
10950N	10826E	4684	28--	37	.0000	.0000	.00	.0030	.2400	2.50
10345E	10375N	4770	40--	48	.0000	.0000	.00	.0060	.0500	2.51
10550N	10482E	4736	04--	08	.0000	.0400	.23	.0060	.0500	2.51
12380N	10946E	4548	21--	26	.0000	.0000	.00	.0060	.0500	2.51
9203N	9895E	4814	34--	42	.0040	.2100	2.69	.0040	.1800	2.52
9609N	9968E	4808	40--	48	.0040	.2600	2.98	.0040	.1800	2.52
9758N	9960E	4776	69--	86	.0050	.2500	3.30	.0040	.1800	2.52
9765N	10235E	4710	129--	134	.0000	.0000	.00	.0050	.1200	2.54
10100N	10317E	4725	5--	6	.0080	.0600	.00	.0060	.0600	2.56
10179N	10338E	4724	09--	12	.0000	.0000	.00	.0060	.0600	2.56
10200N	10342E	4723	13--	17	.0000	.0000	.00	.0060	.0600	2.56
10459E	10496N	4745	31--	37	.0000	.0800	.46	.0060	.0600	2.56
12682N	11016E	4518	00--	13	.0000	.0000	.00	.0060	.0600	2.56
9908N	10329E	4725	59--	64	.0040	.2600	2.98	.0040	.1900	2.58
9828N	10210E	4722	43--	52	.0000	.0000	.00	.0040	.2000	2.64
10742N	10572E	4680	24--	26	.0070	.3400	4.56	.0040	.2000	2.64
10272N	10360E	4717	19--	26	.0000	.0000	.00	.0050	.1400	2.66
10869N	10562E	4656	35--	42	.0000	.0000	.00	.0050	.1400	2.66
12102N	10841E	4572	43--	50	.0000	.0000	.00	.0050	.1400	2.66
10216E	9917N	4729	34--	46	.0000	.0000	.00	.0060	.0800	2.68
10378N	10412E	4725	07--	10	.0000	.0000	.00	.0060	.0800	2.68
9563N	9932E	4814	74--	85	.0000	.3100	1.79	.0040	.2100	2.69
9758N	9960E	4776	09--	16	.0020	.3900	3.00	.0020	.3400	2.71
9758N	9960E	4776	16--	22	.0050	.5300	4.92	.0020	.3400	2.71
10939N	10625E	4644	24--	26	.0070	.1400	3.40	.0050	.1500	2.72
9695N	9976E	4785	07--	12	.0030	.3100	2.90	.0030	.2800	2.73
9758N	9960E	4776	71--	80	.0050	.2100	3.06	.0050	.1600	2.77
10347N	10401E	4720	07--	09	.0000	.0000	.00	.0050	.1600	2.77
12304N	10896E	4556	54--	61	.0000	.0000	.00	.0050	.1600	2.77
10008N	10275E	4725	5--	9	.0140	.2500	.00	.0060	.1000	2.80
11563N	10674E	4602	00--	05	.0000	.0000	.00	.0060	.1000	2.80
13082N	11072E	4545	00--	11	.0000	.0000	.00	.0060	.1000	2.80
9886N	10239E	4723	23--	27	.0000	.0000	.00	.0070	.0400	2.82
10347N	10401E	4720	09--	15	.0000	.0000	.00	.0060	.1100	2.85
10080N	10308E	4725	6--	11	.0070	.1500	.00	.0060	.1200	2.91
10220N	10344E	4723	10--	13	.0000	.0000	.00	.0060	.1300	2.97
9563N	9932E	4814	45--	52	.0000	.2100	1.21	.0050	.2000	3.01
10216E	9917N	4729	61--	78	.0000	.0000	.00	.0060	.1400	3.03
10846N	10667E	4663	106--	113	.0000	.0000	.00	.0060	.1400	3.03
10869N	10562E	4656	31--	35	.0000	.0000	.00	.0060	.1400	3.03
9908N	10329E	4725	64--	70	.0040	.3500	3.51	.0040	.2700	3.04
9908N	10329E	4725	23--	32	.0050	.2200	3.12	.0050	.2100	3.06
10291N	10360E	4725	10--	13	.0000	.0000	.00	.0080	.0200	3.07
12986N	11054E	4536	10--	19	.0000	.0000	.00	.0050	.2200	3.12
9765N	10235E	4710	04--	10	.0000	.0000	.00	.0080	.0300	3.13
11638N	10616E	4606	38--	43	.0000	.0000	.00	.0080	.0300	3.13
11995N	10818E	4583	38--	45	.0000	.0000	.00	.0060	.1600	3.14
12102N	10841E	4572	12--	18	.0000	.0000	.00	.0060	.1600	3.14
12986N	11054E	4536	00--	10	.0000	.0000	.00	.0060	.1600	3.14
10459E	10496N	4745	16--	21	.0000	.1100	.63	.0070	.1000	3.17
10159N	10332E	4724	0--	5	.0160	.0600	.00	.0080	.0400	3.19
12102N	10841E	4572	35--	43	.0000	.0000	.00	.0080	.0400	3.19
9886N	10239E	4723	41--	47	.0000	.0000	.00	.0070	.1100	3.22

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
10846N	10667E	4663	74--	81	.0000	.0000	.00	.0070	.1100	3.22
12102N	10841E	4572	00--	06	.0000	.0000	.00	.0080	.0500	3.25
11638N	10616E	4606	90--	100	.0000	.0000	.00	.0080	.0600	3.30
12205N	10867E	4563	48--	54	.0000	.0000	.00	.0080	.0600	3.30
12304N	10896E	4556	14--	21	.0000	.0000	.00	.0080	.0600	3.30
10043N	10288E	4725	11--	14	.0260	.7400	.00	.0040	.3200	3.33
10324N	10388E	4722	21--	28	.0000	.0000	.00	.0070	.1400	3.40
10043N	10288E	4725	0--	6	.0090	.1200	.00	.0080	.0800	3.42
10950N	10826E	4684	00--	12	.0000	.0000	.00	.0030	.4000	3.43
10200N	10342E	4723	00--	05	.0000	.0000	.00	.0080	.0900	3.48
10977N	10590E	4641	51--	61	.0000	.0000	.00	.0060	.2200	3.49
12205N	10867E	4563	00--	08	.0000	.0000	.00	.0070	.1600	3.51
9765N	10235E	4710	101--	106	.0000	.0000	.00	.0080	.1000	3.54
10846N	10667E	4663	21--	33	.0000	.0000	.00	.0080	.1000	3.54
12380N	10946E	4548	00--	10	.0000	.0000	.00	.0080	.1000	3.54
9687N	9956E	4788	111--	119	.0050	.4700	4.57	.0040	.3600	3.56
10490N	10073E	4743	12--	22	.0000	.0000	.00	.0080	.1100	3.59
11563N	10674E	4602	05--	10	.0000	.0000	.00	.0080	.1100	3.59
11638N	10616E	4606	57--	63	.0000	.0000	.00	.0080	.1100	3.59
12884N	11046E	4526	18--	25	.0000	.0000	.00	.0070	.1800	3.63
13082N	11072E	4545	19--	29	.0000	.0000	.00	.0070	.1800	3.63
11667N	10695E	4600	35--	42	.0000	.0000	.00	.0080	.1200	3.65
11995N	10818E	4583	13--	22	.0000	.0000	.00	.0080	.1200	3.65
9695N	9976E	4785	12--	17	.0050	.4400	4.40	.0040	.3800	3.68
10100N	10317E	4725	6--	12	.0060	.2800	.00	.0060	.2600	3.72
10216E	9917N	4729	55--	61	.0000	.0000	.00	.0080	.1400	3.77
10928N	10666E	4652	07--	13	.0000	.0000	.00	.0080	.1400	3.77
11667N	10695E	4600	27--	35	.0000	.0000	.00	.0080	.1400	3.77
10443N	10442E	4739	05--	07	.0000	.0000	.00	.0100	.0200	3.81
10482N	10458E	4744	17--	20	.0000	.0000	.00	.0080	.1600	3.88
10928N	10666E	4652	00--	07	.0000	.0000	.00	.0080	.1600	3.88
10846N	10667E	4663	119--	127	.0000	.0000	.00	.0030	.4800	3.89
10345E	10375N	4770	48--	60	.0000	.0000	.00	.0090	.1000	3.91
11787N	10764E	4595	09--	22	.0000	.0000	.00	.0090	.1000	3.91
10347N	10401E	4720	05--	07	.0000	.0000	.00	.0070	.2300	3.92
10159N	10332E	4724	5--	11	.0380	.1800	.00	.0100	.0400	3.93
10427N	10433E	4736	02--	07	.0000	.0000	.00	.0100	.0400	3.93
10224N	10354E	4713	12--	18	.0000	.0000	.00	.0070	.2500	4.04
12205N	10867E	4563	54--	62	.0000	.0000	.00	.0100	.0600	4.04
10939N	10625E	4644	20--	24	.0090	.1900	4.43	.0080	.1900	4.06
10272N	10360E	4717	26--	33	.0000	.0000	.00	.0080	.2000	4.12
10301N	10371E	4725	25--	33	.0000	.0000	.00	.0070	.2800	4.21
9908N	10329E	4725	49--	54	.0060	.4500	4.83	.0050	.4100	4.22
10869N	10562E	4656	24--	31	.0000	.0000	.00	.0080	.2200	4.23
10928N	10666E	4652	13--	25	.0000	.0000	.00	.0090	.1600	4.25
10219N	10515E	4753	30--	36	.0000	.0000	.00	.0100	.1000	4.28
11995N	10818E	4583	06--	13	.0000	.0000	.00	.0100	.1100	4.33
12784N	11038E	4520	10--	17	.0000	.0000	.00	.0080	.2400	4.35
9886N	10239E	4723	52--	58	.0000	.0000	.00	.0100	.1200	4.39
11638N	10616E	4606	74--	83	.0000	.0000	.00	.0100	.1200	4.39
10505N	10470E	4740	00--	06	.0100	1.0500	9.79	.0060	.3800	4.42
9845N	10300E	4714	23--	28	.0000	.0000	.00	.0100	.1400	4.51
10393N	10418E	4730	12--	15	.0000	.0000	.00	.0120	.0200	4.55

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
10393N	10418E	4730	12--	15	.0000	.0000	.00	.0120	.0200	4.55
10443N	10442E	4739	00--	05	.0000	.0000	.00	.0120	.0200	4.55
9845N	10300E	4714	00--	15	.0000	.0000	.00	.0100	.1500	4.57
12884N	11046E	4526	07--	18	.0000	.0000	.00	.0080	.2800	4.58
9758N	9960E	4776	65--	69	.0080	.6600	6.78	.0060	.4100	4.59
10301N	10371E	4725	00--	07	.0000	.0000	.00	.0090	.2200	4.60
10482N	10458E	4744	34--	40	.0000	.0000	.00	.0100	.1600	4.62
11892N	10793E	4592	10--	20	.0000	.0000	.00	.0100	.1600	4.62
11949N	10805E	4588	00--	08	.0000	.0000	.00	.0100	.1600	4.62
10427N	10433E	4736	00--	02	.0000	.0000	.00	.0120	.0400	4.67
10443N	10442E	4739	10--	13	.0000	.0000	.00	.0120	.0400	4.67
10301N	10371E	4725	13--	19	.0000	.0000	.00	.0090	.2400	4.72
10008N	10275E	4725	9--	13	.0130	.2500	.00	.0100	.1800	4.74
11787N	10764E	4595	00--	09	.0000	.0000	.00	.0100	.1800	4.74
12884N	11046E	4526	00--	07	.0000	.0000	.00	.0100	.1800	4.74
10869N	10562E	4656	18--	24	.0000	.0000	.00	.0090	.2500	4.78
11758N	10696E	4600	58--	67	.0000	.0000	.00	.0090	.2500	4.78
9828N	10210E	4722	52--	59	.0000	.0000	.00	.0100	.2000	4.86
11638N	10616E	4606	25--	32	.0000	.0000	.00	.0100	.2000	4.86
11949N	10805E	4588	08--	16	.0000	.0000	.00	.0120	.0900	4.96
9828N	10210E	4722	32--	43	.0000	.0000	.00	.0080	.3500	4.99
11854N	10787E	4593	00--	05	.0000	.0000	.00	.0120	.1000	5.02
11949N	10805E	4588	25--	33	.0000	.0000	.00	.0120	.1000	5.02
9563N	9932E	4814	60--	74	.0000	.3800	2.20	.0080	.3600	5.04
9845N	10300E	4714	33--	39	.0000	.0000	.00	.0110	.1800	5.11
10219N	10515E	4753	36--	49	.0000	.0000	.00	.0120	.1200	5.13
10490N	10073E	4743	05--	12	.0000	.0000	.00	.0120	.1200	5.13
10482N	10458E	4744	30--	34	.0000	.0000	.00	.0120	.1300	5.19
10408N	10423E	4733	13--	19	.0000	.0000	.00	.0100	.2600	5.20
9765N	10235E	4710	24--	30	.0000	.0000	.00	.0060	.5200	5.23
10378N	10412E	4725	10--	13	.0000	.0000	.00	.0110	.2000	5.23
9845N	10300E	4714	15--	23	.0000	.0000	.00	.0120	.1400	5.25
10345E	10375N	4770	06--	13	.0000	.0000	.00	.0120	.1400	5.25
10846N	10667E	4663	33--	39	.0000	.0000	.00	.0120	.1400	5.25
12102N	10841E	4572	18--	24	.0000	.0000	.00	.0120	.1400	5.25
10482N	10458E	4744	24--	30	.0000	.0000	.00	.0120	.1600	5.36
10378N	10412E	4725	02--	07	.0000	.0000	.00	.0130	.1000	5.39
10482N	10458E	4744	20--	24	.0000	.0000	.00	.0080	.4200	5.39
10443N	10442E	4739	13--	17	.0000	.0000	.00	.0140	.0400	5.41
10324N	10388E	4722	17--	21	.0000	.0000	.00	.0110	.2400	5.46
11638N	10616E	4606	83--	90	.0000	.0000	.00	.0120	.1800	5.48
10482N	10458E	4744	43--	47	.0000	.0000	.00	.0120	.2000	5.60
10482N	10458E	4744	40--	43	.0000	.0000	.00	.0110	.2800	5.69
9765N	10235E	4710	92--	101	.0000	.0000	.00	.0120	.2200	5.71
9908N	10329E	4725	54--	59	.0080	1.1300	9.51	.0030	.8000	5.75
11854N	10787E	4593	38--	47	.0000	.0000	.00	.0140	.1000	5.76
10462N	10450E	4742	06--	11	.0000	.0000	.00	.0150	.0400	5.78
10224N	10354E	4713	03--	07	.0000	.0000	.00	.0120	.2400	5.83
10846N	10667E	4663	12--	21	.0000	.0000	.00	.0140	.1200	5.87
11563N	10674E	4602	17--	26	.0000	.0000	.00	.0140	.1200	5.87
11854N	10787E	4593	05--	13	.0000	.0000	.00	.0140	.1200	5.87
10644E	10896N	4652	23--	28	.0000	.0000	.00	.0090	.4400	5.88
12205N	10867E	4563	15--	22	.0000	.0000	.00	.0100	.3800	5.90

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
9758N	9960E	4776	68--	71	.0090	.5400	6.46	.0090	.4600	5.99
10345E	10375N	4770	00--	06	.0000	.0000	.00	.0140	.1400	5.99
10482N	10458E	4744	47--	51	.0000	.0000	.00	.0140	.1400	5.99
10869N	10562E	4656	13--	18	.0000	.0000	.00	.0100	.4000	6.02
11667N	10695E	4600	15--	20	.0000	.0000	.00	.0120	.2800	6.06
10345E	10375N	4770	19--	40	.0000	.0000	.00	.0140	.1600	6.10
9908N	10329E	4725	12--	23	.0080	.5500	6.15	.0090	.5000	6.23
10939N	10625E	4644	13--	20	.0110	.4300	6.56	.0110	.3800	6.27
10219N	10515E	4753	00--	12	.0000	.0000	.00	.0120	.3200	6.29
10291N	10360E	4725	13--	16	.0000	.0000	.00	.0120	.3200	6.29
11854N	10787E	4593	25--	33	.0000	.0000	.00	.0140	.2000	6.34
9563N	9932E	4814	52--	60	.0100	.7000	7.76	.0100	.4600	6.36
9952N	10248E	4726	42--	46	.0140	.9300	.00	.0100	.4600	6.36
10017N	10021E	4754	00--	11	.0120	.4100	6.81	.0100	.4600	6.36
11995N	10818E	4583	00--	06	.0000	.0000	.00	.0150	.1400	6.36
11758N	10696E	4600	75--	83	.0000	.0000	.00	.0140	.2200	6.45
10224N	10354E	4713	28--	34	.0000	.0000	.00	.0080	.6200	6.55
10219N	10515E	4753	49--	58	.0000	.0000	.00	.0140	.2400	6.57
10219N	10515E	4753	20--	30	.0000	.0000	.00	.0140	.2600	6.68
12784N	11038E	4520	00--	10	.0000	.0000	.00	.0140	.2600	6.68
10139N	10328E	4724	13--	17	.0000	.0000	.00	.0100	.5200	6.71
10142E	9908N	4738	13--	17	.0120	.5700	.00	.0100	.5200	6.71
10060N	10300E	4726	12--	16	.0000	.0000	.00	.0160	.1400	6.73
9765N	10235E	4710	110--	120	.0000	.0000	.00	.0170	.0800	6.75
10846N	10667E	4663	66--	74	.0000	.0000	.00	.0130	.3400	6.78
10345E	10375N	4770	13--	19	.0000	.0000	.00	.0160	.1600	6.84
10869N	10562E	4656	00--	08	.0000	.0000	.00	.0080	.6700	6.84
11638N	10616E	4606	63--	70	.0000	.0000	.00	.0140	.2900	6.86
11018N	10610E	4627	00--	06	.0000	.0000	.00	.0120	.4200	6.87
11638N	10616E	4606	70--	74	.0000	.0000	.00	.0140	.3000	6.92
10618N	10518N	4721	14--	20	.0000	.3100	1.79	.0020	1.0800	7.00
9845N	10300E	4714	28--	33	.0000	.0000	.00	.0160	.2000	7.08
10846N	10667E	4663	39--	47	.0000	.0000	.00	.0160	.2000	7.08
10200N	10342E	4723	05--	09	.0000	.0000	.00	.0180	.1000	7.24
12304N	10896E	4556	31--	38	.0000	.0000	.00	.0160	.2400	7.31
10139N	10328E	4724	08--	13	.0000	.0000	.00	.0160	.2600	7.42
10142E	9908N	4738	8--	13	.0230	1.2600	.00	.0160	.2600	7.42
10846N	10667E	4663	47--	54	.0000	.0000	.00	.0180	.1400	7.47
11667N	10695E	4600	20--	27	.0000	.0000	.00	.0160	.2800	7.54
10462N	10450E	4742	00--	04	.0000	.0000	.00	.0200	.0300	7.57
10324N	10388E	4722	00--	06	.0000	.0000	.00	.0140	.4200	7.61
10139N	10328E	4724	00--	04	.0000	.0000	.00	.0200	.0400	7.63
10142E	9908N	4738	0--	4	.0260	.0500	.00	.0200	.0400	7.63
11563N	10674E	4602	26--	30	.0000	.0000	.00	.0160	.3000	7.66
10060N	10300E	4726	16--	20	.0000	.0000	.00	.0180	.1800	7.70
10393N	10418E	4730	02--	05	.0000	.0000	.00	.0180	.1800	7.70
10393N	10418E	4730	02--	05	.0000	.0000	.00	.0180	.1800	7.70
11638N	10616E	4606	100--	106	.0000	.0000	.00	.0150	.3800	7.75
10347N	10401E	4720	Gr--ab		.0000	.0000	.00	.0070	.9000	7.81
10527E	10272N	4736	28--	35	.0000	.0000	.00	.0180	.2000	7.82
10660N	10539E	4704	20--	22	.0000	1.1800	6.84	.0050	1.0400	7.88
11638N	10616E	4606	16--	21	.0000	.0000	.00	.0180	.2200	7.93
11995N	10818E	4583	30--	38	.0000	.0000	.00	.0180	.2200	7.93

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
9973N	10262E	4726	15--	19	.0070	1.6900	.00	.0080	.8600	7.94
10219N	10515E	4753	12--	20	.0000	.0000	.00	.0160	.3600	8.00
10490N	10073E	4743	58--	63	.0000	.0000	.00	.0200	.1300	8.15
10462N	10450E	4742	11--	16	.0000	.0000	.00	.0200	.1400	8.21
11018N	10610E	4627	35--	43	.0000	.0000	.00	.0180	.2800	8.28
10977N	10590E	4641	30--	41	.0000	.0000	.00	.0140	.5400	8.31
9765N	10235E	4710	106--	110	.0000	.0000	.00	.0200	.1600	8.32
10977N	10590E	4641	05--	14	.0000	.0000	.00	.0180	.3000	8.40
9973N	10262E	4726	4--	8	.0100	1.7900	.00	.0100	.8200	8.45
10869N	10562E	4656	08--	13	.0000	.0000	.00	.0100	.8200	8.45
10291N	10360E	4725	07--	10	.0000	.0000	.00	.0160	.4400	8.47
10393N	10418E	4730	05--	10	.0000	.0000	.00	.0180	.3200	8.51
10393N	10418E	4730	05--	10	.0000	.0000	.00	.0180	.3200	8.51
10427N	10433E	4736	14--	18	.0000	.0000	.00	.0180	.3200	8.51
10080N	10308E	4725	11--	19	.0180	.9400	.00	.0140	.5800	8.54
10490N	10073E	4743	28--	35	.0000	.0000	.00	.0200	.2000	8.56
12205N	10867E	4563	29--	38	.0000	.0000	.00	.0180	.3300	8.57
10490N	10073E	4743	00--	05	.0000	.0000	.00	.0200	.2200	8.67
11995N	10818E	4583	22--	30	.0000	.0000	.00	.0200	.2200	8.67
10846N	10667E	4663	81--	88	.0000	.0000	.00	.0120	.7400	8.73
11758N	10696E	4600	67--	75	.0000	.0000	.00	.0180	.3600	8.74
11638N	10616E	4606	112--	119	.0000	.0000	.00	.0200	.2700	8.96
9952N	10248E	4726	28--	33	.0080	2.2000	.00	.0080	1.0400	8.99
11758N	10696E	4600	39--	49	.0000	.0000	.00	.0200	.2800	9.02
10249N	10350E	4716	15--	20	.0000	.0000	.00	.0160	.5400	9.05
10408N	10423E	4733	05--	10	.0000	.0000	.00	.0180	.4200	9.09
10977N	10590E	4641	19--	26	.0000	.0000	.00	.0120	.8100	9.13
11018N	10610E	4627	43--	49	.0000	.0000	.00	.0200	.3000	9.14
10216E	9917N	4729	46--	55	.0000	.0000	.00	.0200	.3100	9.19
12205N	10867E	4563	22--	29	.0000	.0000	.00	.0180	.4400	9.21
10490N	10073E	4743	35--	46	.0000	.0000	.00	.0220	.2100	9.35
10490N	10073E	4743	46--	50	.0000	.0000	.00	.0220	.2200	9.41
9758N	9960E	4776	80--	87	.0200	.8000	12.04	.0160	.6600	9.74
10216E	9917N	4729	05--	14	.0000	.0000	.00	.0220	.3000	9.88
9973N	10262E	4726	8--	12	.0100	1.7400	.00	.0100	1.1000	10.08
11758N	10696E	4600	83--	93	.0000	.0000	.00	.0220	.3400	10.11
9952N	10248E	4726	37--	42	.0120	1.5400	.00	.0120	1.0000	10.24
11758N	10696E	4600	00--	07	.0000	.0000	.00	.0220	.3800	10.34
10977N	10590E	4641	00--	05	.0000	.0000	.00	.0220	.3900	10.40
10527E	10272N	4736	15--	22	.0000	.0000	.00	.0260	.1700	10.60
10324N	10388E	4722	11--	17	.0000	.0000	.00	.0180	.7200	10.83
11758N	10696E	4600	30--	39	.0000	.0000	.00	.0220	.4800	10.92
10490N	10073E	4743	22--	28	.0000	.0000	.00	.0240	.3600	10.96
10527E	10272N	4736	57--	62	.0000	.0000	.00	.0260	.2400	11.01
10249N	10350E	4716	09--	15	.0000	.0000	.00	.0180	.7600	11.06
10527E	10272N	4736	05--	15	.0000	.0000	.00	.0280	.1700	11.34
10527E	10272N	4736	62--	73	.0000	.0000	.00	.0240	.4400	11.43
11018N	10610E	4627	06--	12	.0000	.0000	.00	.0180	.8400	11.53
10408N	10423E	4733	00--	02	.0000	.0000	.00	.0160	.9800	11.60
11638N	10616E	4606	21--	25	.0000	.0000	.00	.0260	.4000	11.94
11758N	10696E	4600	49--	58	.0000	.0000	.00	.0280	.3100	12.15
10490N	10073E	4743	50--	58	.0000	.0000	.00	.0260	.4500	12.23
10272N	10360E	4717	10--	19	.0000	.0000	.00	.0160	1.1000	12.30

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
11638N	10616E	4606	10--	16	.0000	.0000	.00	.0280	.3800	12.56
10977N	10590E	4641	14--	19	.0000	.0000	.00	.0180	1.0400	12.69
10527E	10272N	4736	47--	57	.0000	.0000	.00	.0300	.2800	12.72
10393N	10418E	4730	00--	02	.0000	.0000	.00	.0200	.9200	12.73
10393N	10418E	4730	00--	02	.0000	.0000	.00	.0200	.9200	12.73
11758N	10696E	4600	07--	17	.0000	.0000	.00	.0300	.2900	12.78
11018N	10610E	4627	49--	61	.0000	.0000	.00	.0260	.6200	13.21
10977N	10590E	4641	26--	30	.0000	.0000	.00	.0200	1.0400	13.43
9952N	10248E	4726	33--	37	.0080	3.1500	.00	.0080	1.8800	13.86
10482N	10458E	4744	51--	56	.0000	.0000	.00	.0300	.4900	13.94
10527E	10272N	4736	00--	05	.0000	.0000	.00	.0280	.6200	13.95
10527E	10272N	4736	35--	47	.0000	.0000	.00	.0320	.3700	13.98
11638N	10616E	4606	00--	10	.0000	.0000	.00	.0300	.5100	14.05
10120N	10322E	4725	0--	6	.0540	.7800	.00	.0300	.6200	14.69
10249N	10350E	4716	35--	38	.0000	.0000	.00	.0340	.4400	15.13
11758N	10696E	4600	22--	30	.0000	.0000	.00	.0320	.6000	15.32
11638N	10616E	4606	106--	112	.0000	.0000	.00	.0280	.8600	15.34
11563N	10674E	4602	10--	17	.0000	.0000	.00	.0360	.3600	15.40
10224N	10354E	4713	07--	12	.0000	.0000	.00	.0360	.4200	15.75
10527E	10272N	4736	22--	28	.0000	.0000	.00	.0380	.3000	15.80
9973N	10262E	4726	12--	15	.0260	2.3600	.00	.0180	1.6400	16.17
10854N	10618E	4649	11--	16	.0160	2.6100	21.05	.0140	2.1000	17.36
10408N	10423E	4733	10--	13	.0000	.0000	.00	.0140	2.1800	17.82
10764N	10584E	4776	19--	25	.0200	2.6600	22.82	.0220	1.6800	17.88
10159N	10332E	4724	14--	19	.0110	3.0100	.00	.0020	2.9800	18.02
10100N	10317E	4725	12--	15	.0350	4.0400	.00	.0060	3.6800	23.56
10427N	10433E	4736	07--	12	.0000	.0000	.00	.0520	1.0400	25.27
10224N	10354E	4713	23--	28	.0000	.0000	.00	.0180	3.8000	28.70
11758N	10696E	4600	17--	22	.0000	.0000	.00	.0460	2.0500	28.91
10220N	10344E	4723	00--	02	.0000	.0000	.00	.0090	5.0400	32.56
9952N	10248E	4726	17--	23	.0840	.9100	.00	.0880	.5400	35.69
10200N	10342E	4723	09--	13	.0000	.0000	.00	.0160	6.6000	44.20
10139N	10328E	4724	04--	08	.0000	.0000	.00	.1320	.3200	50.69
10142E	9908N	4738	4--	8	.2610	.6800	.00	.1320	.3200	50.69
10100N	10317E	4725	15--	20	.0080	7.6300	.00	.0080	8.8000	54.00
10220N	10344E	4723	02--	06	.0000	.0000	.00	.0060	9.0600	54.76
10249N	10350E	4716	20--	27	.0000	.0000	.00	.0700	5.5000	57.80
10220N	10344E	4723	06--	10	.0000	.0000	.00	.0440	7.2200	58.15
10120N	10322E	4725	12--	16	.0500	8.8000	.00	.0110	10.0800	62.53
10224N	10354E	4713	18--	23	.0000	.0000	.00	.0150	10.1500	64.42
10408N	10423E	4733	02--	05	.0000	.0000	.00	.0460	8.9400	68.87
10427N	10433E	4736	12--	14	.0000	.0000	.00	.0640	8.2000	71.24
10249N	10350E	4716	27--	35	.0000	.0000	.00	.0620	8.4000	71.66
10120N	10322E	4725	16--	19	.0320	14.3000	.00	.0160	11.6000	73.20
10179N	10338E	4724	00--	06	.0000	.0000	.00	.0140	21.2000	128.14
9952N	10248E	4726	23--	28	.1040	21.5900	.00	.0680	20.0000	141.16
10120N	10322E	4725	6--	8	.0140	32.4200	.00	.0100	30.1000	178.28
10249N	10350E	4716	00--	03	.0000	.0000	.00	.0740	32.7200	217.15
10120N	10322E	4725	8--	12	.0240	49.7600	.00	.0100	44.8000	263.54
10179N	10338E	4724	06--	09	.0000	.0000	.00	.0052	49.5000	289.02
10159N	10332E	4724	11--	14	.0090	123.3400	.00	.0060	108.2000	629.78

Avg Values: .57 8.48

Coord 1	Coord 2	Elev	Interval	FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal

Conversion Price/Oz AU: 100.00 Conversion Price/Oz AG: 50.00
Floor Price: .00 Ceiling Price: 999.99

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
9952	N	10248	E	4726	0	07/18/89	Y

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
42	46	.0140	.9300	.0100	.4600
0	5	.0020	.0800	.0020	.0600
5	11	.0040	.0900	.0040	.0800
11	17	.0040	.2800	.0040	.1400
17	23	.0840	.9100	.0880	.5400
23	28	.1040	21.5900	.0680	20.0000
28	33	.0080	2.2000	.0080	1.0400
33	37	.0080	3.1500	.0080	1.8800
37	42	.0120	1.5400	.0120	1.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
9973	N	10262	E	4726	0	07/18/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
15	19	.0070	1.6900	.0080	.8600
0	4	.0030	.1000	.0040	.1000
4	8	.0100	1.7900	.0100	.8200
8	12	.0100	1.7400	.0100	1.1000
12	15	.0260	2.3600	.0180	1.6400

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
9975	N	10269	E	4713	0	08/15/89	Y

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
52	66	.0090	.5900	.0000	.0000

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
52	66	.0090	.5900	.0000	.0000
0	6	.0720	2.6200	.0000	.0000
6	13	.0360	1.0400	.0000	.0000
13	23	.0280	1.6900	.0000	.0000
23	29	.0080	.6700	.0000	.0000
29	34	.0090	.5100	.0000	.0000
34	46	.0060	.3700	.0000	.0000
46	52	.0030	.1900	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10000	N	10269	E	4697	0	09/01/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
31	41	.0000	.2100	.0000	.0000
0	6	.0320	2.7400	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10025	N	10283	E	4713	0	08/14/89	Y

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
51	62	.0100	.7000	.0000	.0000
0	3	.0040	.4400	.0000	.0000
3	9	.2250	39.6900	.0000	.0000
9	14	.0300	4.0200	.0000	.0000
14	18	.0410	5.2700	.0000	.0000
18	28	.0280	4.0400	.0000	.0000
28	33	.0370	5.0800	.0000	.0000
33	44	.0180	.4800	.0000	.0000
44	51	.0160	.3400	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10075	N	10310	E	4712	0	08/14/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
37	41	.0070	.2200	.0000	.0000
0	5	.0300	1.1100	.0000	.0000
5	14	.0110	1.0100	.0000	.0000
14	18	.0020	.2300	.0000	.0000
18	23	.0010	.2500	.0000	.0000
23	27	.0020	.2100	.0000	.0000
27	30	.0030	.2900	.0000	.0000
30	37	2.6340	110.5900	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10100	N	10313	E	4709	0	08/14/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
68	75	.0050	.1200	.0050	.1200
0	5	.0150	2.4700	.0000	.0000
5	9	.0070	2.6200	.0000	.0000
9	14	.0080	.7300	.0000	.0000
14	21	.0030	.4000	.0000	.0000
21	30	.0480	2.2600	.0000	.0000
30	36	.0180	.7000	.0220	.8000
36	42	.0140	.4200	.0140	.3600
42	46	.0180	1.3200	.0180	.8400
50	58	.0050	.1100	.0050	.1000
58	68	.0030	.0700	.0030	.0600

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10100	N	10317	E	4725	0	07/18/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
15	20	.0080	7.6300	.0080	8.8000
0	5	.0020	.0200	.0020	.0200
5	6	.0080	.0600	.0060	.0600
6	12	.0060	.2800	.0060	.2600
12	15	.0350	4.0400	.0060	3.6800

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10120	N	10322	E	4725	0	07/18/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
16	19	.0320	14.3000	.0160	11.6000
0	6	.0540	.7800	.0300	.6200
6	8	.0140	32.4200	.0100	30.1000
6	8	.0140	32.4200	.0100	30.1000
8	12	.0240	49.7600	.0100	44.8000
12	16	.0500	8.8000	.0110	10.0800

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10125	N	10313	E	4710	1	08/14/89	

Comments: 42-46 = TUNNEL

Interval		FA Au	FA Ag	BR Au	BR Ag
56	66	.0030	.2800	.0000	.0000
0	4	.0220	1.8600	.0000	.0000
4	8	.0630	5.5600	.0000	.0000
8	13	.0170	.8900	.0000	.0000
13	22	.0180	.8300	.0000	.0000
22	31	.0040	.2700	.0060	.2400
31	38	.0060	.5800	.0060	.3000
38	42	.0140	5.0100	.0120	1.3200
46	56	.0110	1.0900	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10125	N	10313	E	4710	1	08/14/89	

Comments: 42-46 = TUNNEL

Interval		FA Au	FA Ag	BR Au	BR Ag
56	66	.0030	.2800	.0000	.0000
0	4	.0220	1.8600	.0000	.0000
4	8	.0630	5.5600	.0000	.0000
8	13	.0170	.8900	.0000	.0000
13	22	.0180	.8300	.0000	.0000
22	31	.0040	.2700	.0060	.2400
31	38	.0060	.5800	.0060	.3000
38	42	.0140	5.0100	.0120	1.3200
46	56	.0110	1.0900	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10150	N	10314	E	4694	0	09/02/89	Y

Comments: 41-48 = FILL

Interval		FA Au	FA Ag	BR Au	BR Ag
0	9	.0240	3.0000	.0000	.0000
9	16	.0110	.6700	.0000	.0000
16	22	.0050	.3000	.0000	.0000
22	32	.0040	.2600	.0000	.0000
32	41	.0030	.2300	.0000	.0000
48	51	.0200	2.6100	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10150	N	10318	E	4710	0	08/18/89	

Comments: 47-52 = TUNNEL

Interval		FA Au	FA Ag	BR Au	BR Ag

59	70	.0040	.4100	.0000	.0000
0	2	.1030	.6400	.0000	.0000
2	7	.1550	12.5300	.0000	.0000
7	11	1.0850	10.2900	.0000	.0000
11	16	.0640	3.1500	.0000	.0000
16	22	.0240	.6000	.0000	.0000
22	32	.0160	.2500	.0000	.0000
32	39	.0670	1.1500	.0000	.0000
39	47	.1920	1.5600	.0000	.0000
52	59	.0001	.0300	.0000	.0000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10159	N	10332	E	4724	0	07/18/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
14	19	.0110	3.0100	.0020	2.9800
0	5	.0160	.0600	.0080	.0400
5	11	.0380	.1800	.0100	.0400
11	14	.0090	123.3400	.0060	108.2000

Locate Insert Change Remove Quit Window

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10175	N	10322	E	4710	0	08/18/89	

Comments: 44-48 = FILL

Interval		FA Au	FA Ag	BR Au	BR Ag
58	68	.0040	.3700	.0000	.0000
0	6	.0610	.6100	.0000	.0000
6	11	.0840	1.5600	.0000	.0000
11	17	.0220	.4300	.0000	.0000
17	20	.0240	.4300	.0000	.0000
20	24	.7620	127.6200	.0000	.0000
24	28	.0120	.3200	.0000	.0000
28	34	.0150	.3300	.0000	.0000
34	41	.0100	.1400	.0000	.0000
41	44	.0160	.2500	.0000	.0000
48	58	.0030	.2700	.0000	.0000

Locate Insert Change Remove Quit Window

Date : 8-18-89
Muffle: 1

	Sample ID	Dore'	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	CN	pH
1	PRECIP 8-17-89	737.00	6.971					
2	(DUPLICATE)	735.00	7.019					
3	" (TRIPLICATE)	740.00	6.935					
4	PAVE POW S.P. (GRAB)	5.98						
5	10150N Elevation 4710 [illegible]18E 0-2	.74	.103	.64				
6	2-7	12.69	.155	12.53				
7	7-11	11.37	1.085	10.29				
8	11-16	3.21	.064	3.15				
9	16-22	.62	.024	.60				
10	22-32	.27	.016	.25				
11	32-39	1.22	.067	1.15				
12	([illegible]-52 Tunnel) 39-47	1.75	.192	1.56				
13	([illegible] 52 Tunnel) 10175N 10322E Elev 4710 0-6	.67	.061	.61				
14	6-11	1.54	.084	1.56				
15	11-17	.45	.022	.43				
16	17-20	.45	.024	.43				
17	20-24	128.38	.762	127.62				
18	24-28	.33	.012	.32				
19	28-34	.35	.015	.33				
20	34-41	.15	.010	.14				
21	(41-48 F.11) 41-44	.27	.016	.25				
22	[illegible]0N Elev 4710 10525E 0-4	.85	.032	.82				
23	4-7	.94	.043	.90				
24	7-9	197.50	1.253	196.25				
25	9-15	1.37	.102	1.27				
26	15-22	1.28	.097	1.18				
27	22-25	.79	.061	.73				
28	25-32	1.01	.068	.94				

Date 08/18/89 Assay Values - AU/AG Total Page No 1
Time 9:02 am PBR Minerals, Inc. Appl pt 315

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
								Bottle Roll Total Value Order		
10200N	10342E	4723	09--	13	.0000	.0000	.00	.0160	6.6000	44.20
10901N	10635E	4651	18--	23	.0920	7.5500	77.83	.0870	5.8000	65.83
10582N	10500E	4730	15--	20	.0080	19.7500	117.51	.0060	11.8800	71.12
						Avg Values:	65.11			60.38

Conversion Price/Oz AU: 1 100.0 Conversion Price/Oz AG: 0 50.0
Floor Price: 30.00 Ceiling Price: 999.99

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
9900n	10239e	4715								
COMMENTS:										
			0--	8	.0000	.0001	.00	.0000	.0000	.00
			8--	12	.0000	.0001	.00	.0000	.0000	.00
			12--	16	.0020	.0800	.00	.0000	.0000	.00
			16--	26	.0040	.1300	.00	.0000	.0000	.00
			26--	37	.0000	.0001	.00	.0000	.0000	.00
			37--	47	.0050	.1300	.00	.0000	.0000	.00
			47--	53	.0030	.0900	.00	.0000	.0000	.00
			53--	57	.0040	.1400	.00	.0000	.0000	.00
			57--	64	.0040	.1300	.00	.0000	.0000	.00
			64--	69	.0060	.1500	.00	.0000	.0000	.00
			69--	77	.0030	.1100	.00	.0000	.0000	.00
			77--	81	.0050	.1300	.00	.0000	.0000	.00
			81--	91	.0000	.0001	.00	.0000	.0000	.00
			91--	100	.0020	.0800	.00	.0000	.0000	.00
9925n	10248e	4714								
COMMENTS:										
			0--	4	.0040	.2800	.00	.0000	.0000	.00
			4--	10	.0050	.2400	.00	.0000	.0000	.00
			10--	17	.0030	.1800	.00	.0000	.0000	.00
			17--	22	.0020	.1500	.00	.0000	.0000	.00
			22--	32	.0001	.0300	.00	.0000	.0000	.00
			32--	37	.0001	.0300	.00	.0000	.0000	.00
			37--	42	.0020	.3600	.00	.0000	.0000	.00
			42--	48	.0070	.3500	.00	.0000	.0000	.00
			48--	54	.0040	.2100	.00	.0000	.0000	.00
			54--	61	.0050	.3000	.00	.0000	.0000	.00
			61--	68	.0200	1.9000	.00	.0000	.0000	.00
			68--	71	.0240	1.2800	.00	.0000	.0000	.00
			71--	79	.0570	2.3300	.00	.0000	.0000	.00
			79--	86	.0030	.2000	.00	.0000	.0000	.00
			86--	92	.0040	.2300	.00	.0000	.0000	.00
9950n	10257e	4713								
COMMENTS:										
			0--	8	.0080	.6300	.00	.0000	.0000	.00
			8--	15	.0020	.3000	.00	.0000	.0000	.00
			15--	20	.0120	.9800	.00	.0000	.0000	.00
			20--	30	.0080	.3300	.00	.0000	.0000	.00
			30--	33	.0040	.1600	.00	.0000	.0000	.00
			33--	39	.0040	.2000	.00	.0000	.0000	.00
			39--	45	.0050	.3100	.00	.0000	.0000	.00
			45--	55	.0070	.3700	.00	.0000	.0000	.00
			55--	65	.0050	.3200	.00	.0000	.0000	.00
			65--	75	.0050	.3100	.00	.0000	.0000	.00
9975n	10269e	4713								
COMMENTS:										
			0--	6	.0720	2.6200	.00	.0000	.0000	.00
			6--	13	.0360	1.0400	.00	.0000	.0000	.00
			13--	23	.0280	1.6900	.00	.0000	.0000	.00

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
			23--	29	.0080	.6700	.00	.0000	.0000	.00
			29--	34	.0090	.5100	.00	.0000	.0000	.00
			34--	46	.0060	.3700	.00	.0000	.0000	.00
			46--	52	.0030	.1900	.00	.0000	.0000	.00
			52--	66	.0090	.5900	.00	.0000	.0000	.00
10000n	10276e	4712								
COMMENTS:										
			0--	5	.0110	.7600	.00	.0000	.0000	.00
			5--	11	.0360	2.1400	.00	.0000	.0000	.00
			11--	15	.0420	2.1900	.00	.0000	.0000	.00
			15--	21	.0160	1.0800	.00	.0000	.0000	.00
			21--	28	.0180	1.7400	.00	.0000	.0000	.00
			28--	39	.0150	1.2000	.00	.0000	.0000	.00
			39--	43	.0120	.8700	.00	.0000	.0000	.00
10025n	10283e	4713								
COMMENTS:										
			0--	3	.0040	.4400	.00	.0000	.0000	.00
			3--	9	.2250	39.6900	.00	.0000	.0000	.00
			9--	14	.0300	4.0200	.00	.0000	.0000	.00
			14--	18	.0410	5.2700	.00	.0000	.0000	.00
			18--	28	.0280	4.0400	.00	.0000	.0000	.00
			28--	33	.0370	5.0800	.00	.0000	.0000	.00
			33--	44	.0190	.4800	.00	.0000	.0000	.00
			44--	51	.0160	.3400	.00	.0000	.0000	.00
			51--	62	.0100	.7000	.00	.0000	.0000	.00
10050n	10293e	4714								
COMMENTS:										
			0--	6	.0020	.3000	.00	.0000	.0000	.00
			6--	13	.0230	.3200	.00	.0000	.0000	.00
			13--	25	.0150	.3200	.00	.0000	.0000	.00
			25--	34	.0050	.2800	.00	.0000	.0000	.00
			34--	41	.0001	.0400	.00	.0000	.0000	.00
			41--	45	.0001	.1300	.00	.0000	.0000	.00
			45--	51	.0020	.1200	.00	.0000	.0000	.00
			51--	56	.0001	.0200	.00	.0000	.0000	.00
10075n	10310e	4712								
COMMENTS:										
			0--	5	.0300	1.1100	.00	.0000	.0000	.00
			5--	14	.0110	1.0100	.00	.0000	.0000	.00
			14--	18	.0020	.2300	.00	.0000	.0000	.00
			18--	23	.0010	.2500	.00	.0000	.0000	.00
			23--	27	.0020	.2100	.00	.0000	.0000	.00
			27--	30	.0030	.2900	.00	.0000	.0000	.00
			30--	37	2.6340	110.5900	.00	.0000	.0000	.00
			37--	41	.0070	.2200	.00	.0000	.0000	.00
10100n	10313e	4709								
COMMENTS:										
			0--	5	.0150	2.4700	.00	.0000	.0000	.00

Coord 1	Coord 2	Elev	Interval		FA Au	FA Ag	FA TVal	BR Au	BR Ag	BR TVal
			5--	9	.0070	2.6200	.00	.0000	.0000	.00
			9--	14	.0080	.7300	.00	.0000	.0000	.00
			14--	21	.0030	.4000	.00	.0000	.0000	.00
			21--	30	.0480	2.2600	.00	.0000	.0000	.00
10125n	10313e	4710								
COMMENTS:										
			0--	4	.0220	1.9600	.00	.0000	.0000	.00
			4--	8	.0630	5.5600	.00	.0000	.0000	.00
			8--	13	.0170	.8900	.00	.0000	.0000	.00
			13--	22	.0180	.8300	.00	.0000	.0000	.00
10200N	10342E	4723								
COMMENTS:										
			00--	05	.0000	.0000	.00	.0080	.0900	3.48
			05--	09	.0000	.0000	.00	.0180	.1000	7.24
			09--	13	.0000	.0000	.00	.0160	6.6000	44.20
			13--	17	.0000	.0000	.00	.0060	.0600	2.56

Conversion Price/Oz AU: 1 100.0 Conversion Price/Oz AG: 0 50.0

Date : 8-21-89
Muffle: 2

	Sample ID	Fire Assay Dore'	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	CN	pH
1	10175N Ext 48-58	.27	.003	.27				
2	58-68	.37	.004	.37				
3	10200N Ext 45-56	.19	.001	.19				
4	56-66	.43	.005	.43				
5	25N Ext 45-55	TN	TN	TN				
6	55-65	TN	TN	TN				
7	10275N Ext 46-56	.46	.004	.46				
8	56-66	.24	.002	.24				
9	10300N 10354E Ext 28-32	.76	.006	.75				
10	(32-40 F.11) 40-50	.19	.002	.19				
11	50-60	TN	TN	TN				
12	325 Ext 38-48	TN	TN	TN				
13	48-58	TN	TN	TN				
14	10325N E1-4715 10363E 0-7	.98	.014	.97				
15	(7-13 F.11) 13-19	.70	.009	.69				
16	19-25	13.75	.501	13.25				
17	25-34	.66	.009	.65				
18	34-38	.42	.007	.42				
19	50N E1-4718 10373E 0-6	1.41	.022	1.39				
20	6-12	.76	.011	.75				
21	12-19	.50	.007	.49				
22	19-25	.24	.003	.24				
23	25-33	TN	TN	TN				
24	33-40	TN	TN	TN				
25	10375N E1 4720 10382 E 0-8	TN	TN	TN	Au oz/TON	Ag	Au oz/Pound	Ag
26	PRECIP 8-20-89	735.1	6.880	728.22	68.80	7282.20	.0344	3.6411
27	" (DUPLICATE)	747.6	6.980	740.62	69.80	7406.20	.0349	3.7031
28	" (TRIPLICATE)	749.8	6.960	742.84	69.60	7428.84	.0348	3.7144

PIT ASSAYS

Coor 1	Dir	Coor 2	Dir	Elevation	Lift	Assay Date	Excav?
10450	N	10430	E	4736	0	08/22/89	

Comments:

Interval		FA Au	FA Ag	BR Au	BR Ag
38	47	.0001	.1500	.0000	.0000
0	6	.0390	2.6900	.0000	.0000
6	10	.0560	4.7900	.0000	.0000
10	14	.0090	.5800	.0000	.0000
14	20	.0001	.1700	.0000	.0000
20	26	.0020	.3800	.0000	.0000
26	38	.0010	.1600	.0000	.0000
38	47	.0001	.1500	.0000	.0000

Locate Insert Change Remove Quit Window

Date 09/11/89 Grab Samples Page No 1
Time 12:10 pm Cowichan Resources, Inc. Appl ot 325

Sample Date/Muffle		Sample Id	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	CN	pH	% Moist
08/30/89	1	10425 N E.Wall	.001	.000	.000	.000	.0000	.0	0
		10450 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		10475 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		10500 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		10525 N E. Wall	.000	.001	.000	.000	.0000	.0	0
		10550 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		Cr/Hd 1130-0130	.011	.979	.019	.740	.0000	.0	0
		" " 8/30 2-6	.010	1.000	.008	.560	.0000	.0	0
		" " 8/31 7am	.013	1.137	.009	.740	.0000	.0	0
		" " "" 10am	.008	.792	.005	.480	.0000	.0	0
		" " 12pm	.018	1.332	.011	.920	.0000	.0	0
		" " 2pm	.030	1.120	.016	.700	.0000	.0	0
		Grab 10470 N	.096	26.834	.108	42.840	.0000	.0	0
		10125 N top E	.000	.000	.000	.120	.0000	.0	0
		10150 N top E	.000	.000	.000	.060	.0000	.0	0
		10175 N top E	.000	.000	.004	.220	.0000	.0	0
		S. Pit Waste	.000	.000	.004	.260	.0000	.0	0
		10475 N E.bench	.000	.000	.000	.040	.0000	.0	0
08/31/89	1	Cr/Hd 1130-0130	.011	.979	.019	.740	.0000	.0	0
		" " 8/30 2-6	.010	1.000	.008	.560	.0000	.0	0
		" " 8/31 7am	.013	1.137	.009	.740	.0000	.0	0
		" " "" 10am	.008	.792	.005	.480	.0000	.0	0
		" " 12pm	.018	1.332	.011	.920	.0000	.0	0
		" " 2pm	.030	1.120	.016	.700	.0000	.0	0
		Grab 10470 N	.096	26.834	.108	42.840	.0000	.0	0
		10125 N top E	.000	.000	.000	.120	.0000	.0	0
		10150 N top E	.000	.000	.000	.060	.0000	.0	0

Date : 8-28-89
Muffle: 1

	Sample ID		Fire Assay Dore'	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	~~CN~~	~~[illegible]~~
1	Crusher Head	8-27-89 0800	2.35	.015	2.34				
2	" "	1000	4.60	.034	4.57				
3	" "	1300	3.67	.022	3.65				
4	" "	1600	2.56	.026	2.53			7.004 oz/Lb	
7	Strip	8-24-89	219.00	24.57	2165.43			.012285	1.082715 ~~2.18577~~
8		8-25-89	442.00	42.58	4377.42			.02129	2.18871
9		8-27-89	493.00	65.41	4864.59			.032705	2.432295
5	Crusher Head	8-28-89	5.58	.040	5.54				
6	~~[illegible] SAMPLE~~		—	—	—				
	GRAB 10265 East		—	—	—	.024	26.66		
	GRAB 10265 West		—	—	—	.016	.58		
	GRAB 10250 DIKE		—	—	—	.024	.58		

Date : 8-30-89
Muffle:

	Sample ID	Dore'	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	CN	pH
1	EL4720 10500N 10445E 0-7	.19	.002	.19				
2	7-11	.55	.007	.54				
3	11-13	.50	.006	.49				
4	13-18	.95	.017	.95				
5	18-20	.20	.001	.20				
6	20-23	.24	TN	.24				
7	23-30	13.11	.038	13.07				
8	EL4721 10525N 10463E 0-6	TN	TN	TN				
9	6-10	1.04	.011	1.03				
10	10-17	TN	TN	TN				
11	(21-31 7ILL) 17-21	TN	TN	TN				
12	EL4721 10550N 10474E 0-4	TN	TN	TN				
13	4-9	TN	TN	TN				
14	(15-20 7ILL) 9-15	TN	TN	TN				
15	EL4722 10575N 10493E 0-3	TN	TN	TN				
16	3-8	.10	TN	.10				
17	(15-17 7ILL) 8-15	TN	TN	TN				
18	(0-15 7ILL) EL4723 10600N 10506E 0-6	TN	TN	TN				
19	GRAB EWALL 10425N	TN	TN	TN				
20	10450N	TN	TN	TN				
21	10475N	TN	TN	TN				
22	10500N	TN	TN	TN				
23	10525N	TN	TN	TN				
24	10550N	TN	TN	TN				
25	GRAB 10360N (RR) 1.AT	.18	.002	.18				
26	✓ ✓ ✓ .5AT	.17	.002	.17				

Date : 9-1-89
Muffle: 1

	Sample ID	Dore'	Au	Ag	Au	Ag	CN	pH
		Fire Assay			Bottle Roll			
1	Crusher Hd 8-31-89 1600	.46	.021	.44	.016	.23		
2	✓	.40	.019	.38				
3	Crusher Hd 8-31-89 1800	1.03	.014	1.02	.012	.48		
4		1.09	.014	1.08				
5	9-1-87 EL4697 10,000N 10269E 0-6	2.77	.032	2.74				
6	10,000N 6-10	3.57	.040	3.53				
7	10-18	1.91	.011	1.90				
8	18-23	1.31	.009	1.30				
9	23-31	.29	.002	.29				
10	31-41	.21	Tr	.21				
11	41-54	.48	Tr	.48				
12	54-65	.28	Tr	.28				
13	65-75	.25	Tr	.25				
14	75-82	.24	Tr	.24				

Date : 9-2-89

Muffle: 3

	Sample ID	Dore'	Au	Ag	Au	Ag	CN	pH
	9-2-89 EL4694							
1	10150N 10314E 0-9	3.02	.024	3.00				
2	9-16	.68	.011	.67				
3	16-22	.30	.005	.30				
4	22-32	.26	.004	.26				
5	(-48 FILL) 32-41	.23	.003	.23				
6	48-51	2.63	.020	2.61				
	9-1-89 EL4694							
7	10125N 10307E 38-42	2.54	.018	2.52				
8	(FILL) 42-46	3.68	.026	3.65				
9	46-50	.49	.009	.48				
10	50-53	.25	.004	.25				
	9-2-89 EL4722							
11	10192E 9861N 0-12	.13	.003	.13				
12	12-29	.09	.002	.09				
13	29-41	.12	.002	.12				
14	41-53	.15	.003	.15				
15	53-60	.08	.002	.08				
16	60-65	.05	.001	.05				
17	65-70	.08	.002	.08				
18	70-78	.11	.003	.11				
19	78-91	.13	.003	.13				
20	91-103	.10	.002	.10				
21	103-113	.12	.003	.12				

Locate Insert Change Remove Quit Window

Date 09/11/89
Time 12:10 pm

Grab Samples
Cowichan Resources, Inc.

Appl ot 325

Sample Date/Muffle		Sample Id	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	CN	pH	% Moist
08/30/89	1	10425 N E.Wall	.001	.000	.000	.000	.0000	.0	0
		10450 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		10475 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		10500 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		10525 N E. Wall	.000	.001	.000	.000	.0000	.0	0
		10550 N E. Wall	.001	.000	.000	.000	.0000	.0	0
		Cr/Hd 1130-0130	.011	.979	.019	.740	.0000	.0	0
		" " 8/30 2-6	.010	1.000	.008	.560	.0000	.0	0
		" " 8/31 7am	.013	1.137	.009	.740	.0000	.0	0
		" " "" 10am	.008	.792	.005	.480	.0000	.0	0
		" " 12pm	.018	1.332	.011	.920	.0000	.0	0
		" " 2pm	.030	1.120	.016	.700	.0000	.0	0
		Grab 10470 N	.096	26.834	.108	42.840	.0000	.0	0
		10125 N top E	.000	.000	.000	.120	.0000	.0	0
		10150 N top E	.000	.000	.000	.060	.0000	.0	0
		10175 N top E	.000	.000	.004	.220	.0000	.0	0
		S. Pit Waste	.000	.000	.004	.260	.0000	.0	0
		10475 N E.bench	.000	.000	.000	.040	.0000	.0	0
08/31/89	1	Cr/Hd 1130-0130	.011	.979	.019	.740	.0000	.0	0
		" " 8/30 2-6	.010	1.000	.008	.560	.0000	.0	0
		" " 8/31 7am	.013	1.137	.009	.740	.0000	.0	0
		" " "" 10am	.008	.792	.005	.480	.0000	.0	0
		" " 12pm	.018	1.332	.011	.920	.0000	.0	0
		" " 2pm	.030	1.120	.016	.700	.0000	.0	0
		Grab 10470 N	.096	26.834	.108	42.840	.0000	.0	0
		10125 N top E	.000	.000	.000	.120	.0000	.0	0
		10150 N top E	.000	.000	.000	.060	.0000	.0	0
		10175 N top E	.000	.000	.004	.220	.0000	.0	0
		S. Pit Waste	.000	.000	.004	.260	.0000	.0	0
		10475 N E.bench	.000	.000	.000	.040	.0000	.0	0
09/05/89	2	Grab 10060 N	.082	1.178	.034	.420	.0000	.0	0
		C/H 09/05 1100	.017	1.613	.010	.840	.0000	.0	0
		C/H 09/05 1500	.029	2.341	.016	1.020	.0000	.0	0
09/06/89	1	CH 9/5 14-1600	.012	1.158	.017	.760	.0000	.0	0
		" " 16-1800	.020	1.880	.020	1.120	.0000	.0	0
		CH 9/6 0700	.024	2.316	.022	1.920	.0000	.0	0
		Grab 10100 N	.000	.000	.008	.480	.0000	.0	0
		10115 N 53-58	.048	2.522	.042	2.430	.0000	.0	0
09/07/89	1	10125	.023	.997	.018	.260	1.2000	10.4	0
		10292N E.Dike	.000	.000	.020	.280	1.1000	10.6	0
		13110 N Floor W	.000	.020	.000	.000	.0000	.0	0
		13080 N Fill	.000	.050	.000	.000	.0000	.0	0
		13110 N Floor E	.000	.080	.000	.000	.0000	.0	0
		13080 N Floor M	.000	.070	.000	.000	.0000	.0	0
09/08/89	1	CH 9/8 11-1130	.018	.812	.004	.330	.0000	.0	0
		CH 9/8 13-1500	.023	.867	.005	.500	.0000	.0	0
		CH 9/8 15-1700	.010	.490	.004	.200	.0000	.0	0
		CH 9/8 17-1900	.012	.568	.003	.240	.0000	.0	0
		CH 9/9 07-0900	.024	1.846	.006	.280	.0000	.0	0
		CH 9/9 09-1100	.022	1.808	.009	1.220	.0000	.0	0
		10335 N W/Face	.014	.606	.005	.620	.0000	.0	0
		10000 N Grab	.007	.263	.000	.060	.0000	.0	0

Date 09/11/89
Time 12:10 pm

Grab Samples
Cowichan Resources, Inc.

Appl ot 325

Sample Date/Muffle		Sample Id	Fire Assay Au	Fire Assay Ag	Bottle Roll Au	Bottle Roll Ag	CN	pH	% Moist
		10050 N Grab	.005	.255	.000	.100	.0000	.0	0
09/10/89	1	T1-2 09/09/89	.000	.000	.002	.120	.0000	.0	0
		T2-2	.000	.000	.001	.080	.0000	.0	0
		T3-2	.000	.000	.003	.160	.0000	.0	0
		T4-2	.000	.000	.002	.120	.0000	.0	0
		T5-2	.000	.000	.004	.160	.0000	.0	0
		T6-2	.000	.000	.002	.080	.0000	.0	0
		T7-2	.000	.000	.001	.060	.0000	.0	0
		T8-2	.000	.000	.001	.100	.0000	.0	0
		T9-2	.000	.000	.001	.120	.0000	.0	0
		T10-2	.000	.000	.003	.140	.0000	.0	0
		T11-2	.000	.000	.006	.300	.0000	.0	0
		T12-2	.000	.000	.003	.100	.0000	.0	0
		T14-2	.000	.000	.007	.340	.0000	.0	0
		T16-2	.000	.000	.005	.200	.0000	.0	0
		T20-2	.000	.000	.003	.090	.0000	.0	0
		T22-2	.000	.000	.003	.120	.0000	.0	0
		T24-2	.000	.000	.003	.110	.0000	.0	0
		T26-2	.000	.000	.003	.110	.0000	.0	0
		T27-2	.000	.000	.002	.080	.0000	.0	0

Coord/Elev			Assay Date
9973N	10262E	4726	07/18/89
10000N	10269E	0	
10000N	10269E	4697	09/01/89
10000N	10276E	4712	08/15/89
10008N	10275E	4725	07/18/89
10017N	10021E	4754	07/19/89
10025N	10277E	4696	09/02/89
10043N	10288E	4725	07/18/89
10050N	10293E	4714	08/14/89
10060N	10300E	4726	07/18/89
10075N	10310E	4712	08/14/89
10080N	10308E	4725	07/18/89
10100N	10313E	4709	08/14/89
10100N	10317E	4725	07/18/89
10120N	10322E	4725	07/18/89
10125N	10313E	4710	08/14/89
10139N	10328E	4724	07/18/89
10142E	9908N	4738	07/18/89
10150N	10318E	4710	08/18/89
10159N	10332E	4724	07/18/89
10175N	10322E	4710	08/18/89
10179N	10338E	4724	07/18/89
10192E	9861N	4722	09/02/89
10200N	10325E	4710	08/18/89
10200N	10342E	4723	07/18/89
10219N	10515E	4753	07/18/89
10272N	10360E	4717	07/18/89
10275N	10347E	4711	08/18/89
10280	0	0	08/01/89
10291N	10360E	4725	07/18/89
10301N	10371E	4725	07/18/89
10324N	10388E	4722	07/18/89
10325N	10363E	4715	08/21/89
10345E	10375N	4770	07/18/89
10347N	10401E	4720	07/18/89
10354E	9874N	4714	07/18/89
10375N	10382E	4720	08/21/89
10378N	10412E	4725	07/18/89
10393N	10418E	4730	07/18/89
10397E	9986N	4726	08/22/89
10400	10392E	4723	08/22/89
10400N	10392E	4723	08/29/89
10408N	10423E	4733	07/18/89
10425N	10410E	4731	08/22/89
10427N	10433E	4736	07/18/89
10443N	10442E	4739	07/18/89
10450N	10430E	4736	08/22/89
10459E	10496N	4745	07/18/89

Coord/Elev			Assay Date
10462N	10450E	4742	07/18/89
10475N	10427E	4720	08/29/89
10475N	10457E	4736	08/22/89
10482N	10458E	4744	07/18/89
10490N	10073E	4743	07/19/89
10505N	10470E	4740	07/10/89
10525N	10473E	4738	07/08/89
10527E	10272N	4736	07/18/89
10550N	10482E	4736	07/08/89
10564N	10491E	4732	07/08/89
10568E	10242N	4748	07/18/89
10575	10493E	4722	08/30/89
10582N	10500E	4730	07/08/89
10600N	10512E	4726	07/12/89
10618N	10518N	4721	07/08/89
10642N	10525E	4715	07/08/89
10644E	10896N	4652	07/19/89
10803N	10716E	4600	09/06/89
11654N	10423E	4653	09/07/89
11828N	10725E	4599	09/07/89
11854N	10731E	4600	09/07/89
11882N	10739E	4601	09/07/89

Records found = 70

Coord/Elev			Assay Date
10000N	10269E	0	
10525N	10473E	4738	07/08/89
10550N	10482E	4736	07/08/89
10564N	10491E	4732	07/08/89
10582N	10500E	4730	07/08/89
10618N	10518N	4721	07/08/89
10642N	10525E	4715	07/08/89
10505N	10470E	4740	07/10/89
10600N	10512E	4726	07/12/89
9973N	10262E	4726	07/18/89
10008N	10275E	4725	07/18/89
10043N	10288E	4725	07/18/89
10060N	10300E	4726	07/18/89
10080N	10308E	4725	07/18/89
10100N	10317E	4725	07/18/89
10120N	10322E	4725	07/18/89
10139N	10328E	4724	07/18/89
10142E	9908N	4738	07/18/89
10159N	10332E	4724	07/18/89
10179N	10338E	4724	07/18/89
10200N	10342E	4723	07/18/89
10219N	10515E	4753	07/18/89
10272N	10360E	4717	07/18/89
10291N	10360E	4725	07/18/89
10301N	10371E	4725	07/18/89
10324N	10388E	4722	07/18/89
10345E	10375N	4770	07/18/89
10347N	10401E	4720	07/18/89
10354E	9874N	4714	07/18/89
10378N	10412E	4725	07/18/89
10393N	10418E	4730	07/18/89
10408N	10423E	4733	07/18/89
10427N	10433E	4736	07/18/89
10443N	10442E	4739	07/18/89
10459E	10496N	4745	07/18/89
10462N	10450E	4742	07/18/89
10482N	10458E	4744	07/18/89
10527E	10272N	4736	07/18/89
10568E	10242N	4748	07/18/89
10017N	10021E	4754	07/19/89
10490N	10073E	4743	07/19/89
10644E	10896N	4652	07/19/89
10280	0	0	08/01/89
10050N	10293E	4714	08/14/89
10075N	10310E	4712	08/14/89
10100N	10313E	4709	08/14/89
10125N	10313E	4710	08/14/89
10000N	10276E	4712	08/15/89

Coord/Elev			Assay Date
10150N	10318E	4710	08/18/89
10175N	10322E	4710	08/18/89
10200N	10325E	4710	08/18/89
10275N	10347E	4711	08/18/89
10325N	10363E	4715	08/21/89
10375N	10382E	4720	08/21/89
10397E	9986N	4726	08/22/89
10400	10392E	4723	08/22/89
10425N	10410E	4731	08/22/89
10450N	10430E	4736	08/22/89
10475N	10457E	4736	08/22/89
10400N	10392E	4723	08/29/89
10475N	10427E	4720	08/29/89
10575	10493E	4722	08/30/89
10000N	10269E	4697	09/01/89
10025N	10277E	4696	09/02/89
10192E	9861N	4722	09/02/89
10803N	10716E	4600	09/06/89
11654N	10423E	4653	09/07/89
11828N	10725E	4599	09/07/89
11854N	10731E	4600	09/07/89
11882N	10739E	4601	09/07/89

Records found = 70

Pit Assay 10220 N

Coordinates & Footages		* * * * * * * *Bottle Roll* * * * * * * * Au	Ag	* * * * * * * *Fire Assay* * * * * * * * Au	Ag
10220 N	00-03	0.004	0.09		
	03-07	0.012	0.24		
	07-12	0.036	0.42		
	12-18	0.007	0.25		
	18-23	0.015	10.15		
	23-28	0.018	3.80		
	28-34	0.008	0.62		
	34-35	0.002	0.30		

Pit Assay 10245 N

Coordinates & Footages	Bottle Roll Au	Bottle Roll Ag	Fire Assay Au	Fire Assay Ag
10245 N 00-03	0.074	32.72		
09-15	0.018	0.76		
15-20	0.016	0.54		
20-27	0.070	5.50		
27-35	0.062	8.40		
35-38	0.034	0.44		

Pit Assay 10270 N

Coordinates & Footages	Bottle Roll Au	Bottle Roll Ag	Fire Assay Au	Fire Assay Ag
10270 N 10-19	0.016	1.10		
19-26	0.005	0.14		
26-33	0.008	0.20		

Pit Assay 10330 N

Coordinates & Footages		* * * * * * * *Bottle Roll* * * * * * * * Au	Ag	* * * * * * * *Fire Assay* * * * * * * * Au	Ag
10330 N	00-02	0.001	0.16		
	02-03	0.000	0.20		
	03-05	0.000	0.18		
	05-07	0.007	0.23	0.008	0.24
	07-09	0.005	0.16	0.005	0.49
	09-15	0.006	0.11	0.007	0.12
	15-20	0.002	0.04	0.004	0.04
	20-25	0.005	0.08	0.007	0.08
	25-30	0.005	0.05	0.007	0.06
	Grab	0.007	0.90	0.008	1.07

Pit Assay 10450 E

Coordinates & Footages	*Bottle Roll* Au	*Bottle Roll* Ag	*Fire Assay* Au	*Fire Assay* Ag
10450 E 00-08	0.003	0.04	0.002	0.04
08-16	0.003	0.05	0.003	0.05
16-21	0.007	0.10	0.008	0.11
21-31	0.004	0.06	0.005	0.07
31-37	0.006	0.06	0.005	0.08
37-45	0.004	0.04	0.005	0.05
45-53	0.000	0.04	0.000	0.04
53-61	0.000	0.06	0.000	0.06
61-66	0.000	0.08	0.000	0.09
66-73	0.000	0.04	0.000	0.03
73-80	0.002	0.06	0.002	0.06
80-92	0.000	0.02	0.000	0.04
92-102	0.000	0.04	0.000	0.05
102-114	0.000	0.06	0.004	0.08
114-126	0.002	0.06	0.000	0.06
126-138	0.000	0.02	0.000	0.03
138-146	0.000	0.05	0.002	0.12
146-154	0.000	0.02	0.002	0.04
154-165	0.000	0.03	0.000	0.07
165-174	0.000	0.02	0.000	0.02
174-185	0.000	0.06	0.000	0.04

Pit Assay 10525 N - 10473 E

Coordinates & Footages		* * * * * * * *Bottle Roll* * * * * * * * Au	Ag	* * * * * * * *Fire Assay* * * * * * * * Au	Ag
10525 N	00-05	0.000	0.06	0.000	0.06
10473 E	05-11	0.000	0.04	0.000	0.05
	11-36	Fill - No Sample			
	36-45	0.002	0.22	0.003	0.28
	45-52	0.002	0.12	0.002	0.15
	52-60	0.000	0.07	0.000	0.09
	60-68	0.000	0.04	0.000	0.04
	68-79	0.000	0.04	0.000	0.03
	79-83	0.000	0.10	0.000	0.16
	83-90	0.000	0.07	0.000	0.12
	90-97	0.000	0.12	0.000	0.11

Pit Assay 10505 N - 10462 E

Coordinates & Footages	* * * * * * * *Bottle Roll* * * * * * * * Au	Ag	* * * * * * * *Fire Assay* * * * * * * * Au	Ag
10505 N 00-06	0.006	0.38	0.011	1.05
10462 E 06-10	0.004	0.14	0.009	1.32
10-13	0.000	0.04	0.002	0.13
13-16	0.000	0.07	0.000	0.15
16-24	0.002	0.15	0.004	0.44
24-28	0.000	0.06	0.000	0.08
28-35	0.000	0.04	0.000	0.18
35-42	0.002	0.11	0.005	0.73
42-48	0.002	0.12	0.004	0.35
48-60	0.000	0.07	0.000	0.07

Pit Assay 10550 N - 10482 E

Coordinates & Footages	*Bottle Roll* Au	*Bottle Roll* Ag	*Fire Assay* Au	*Fire Assay* Ag
10550 N 00-04	0.003	0.06	0.003	0.08
10482 E 04-08	0.005	0.04	0.006	0.05
32-37	0.000	0.00	0.000	0.00
37-43	0.000	0.00	0.000	0.00
43-49	0.000	0.00	0.000	0.00
49-58	0.000	0.00	0.000	0.00
58-65	0.000	0.00	0.000	0.00
65-71	0.000	0.00	0.000	0.00
71-80	0.000	0.01	0.000	0.00
80-94	0.000	0.01	0.000	0.00
94-102	0.000	0.01	0.000	0.00
ShaftFill Grab	0.000	0.00	0.000	0.00

NOTE: 08-32 = Fill (No Sample)
102-108 = Fill (No Sample)

Pit Assay 10564 N - 10491 E

Coordinates & Footages	*Bottle Roll* Au	*Bottle Roll* Ag	*Fire Assay* Au	*Fire Assay* Ag
10564 N 00-06	0.000	0.04	0.000	0.06
10491 E 06-11	0.000	0.06	0.000	0.10
11-14	0.000	0.02	0.000	0.04
31-39	0.000	0.16	0.000	0.26
39-46	0.002	0.08	0.004	0.13
46-55	0.002	0.06	0.002	0.05
55-62	0.001	0.08	0.000	0.06
62-69	0.000	0.09	0.000	0.09
69-75	0.000	0.04	0.000	0.04

NOTE: 14-31 = Fill (No Sample)

Pit Assay 10582 N - 10500 E

Coordinates & Footages	*Bottle Roll* Au	*Bottle Roll* Ag	*Fire Assay* Au	*Fire Assay* Ag
10582 N 00-05	0.002	0.04	0.003	0.05
10500 E 05-08	0.004	0.04	0.005	0.04
08-12	0.002	0.08	0.002	0.10
15-20	0.006	11.88	0.008	19.75

NOTE: 12-15 = Fill (No Sample)

Pit Assay 10600 N - 10512 E

Coordinates & Footages	Bottle Roll Au	Bottle Roll Ag	Fire Assay Au	Fire Assay Ag
10600 N 00-06	0.002	0.10	0.000	0.22
10512 E 06-10	0.000	0.12	0.000	0.48
14-23	0.002	0.22	0.003	0.22
23-31	0.001	0.14	0.000	0.29

Pit Assay 10618 N - 10518 E

Coordinates & Footages		* * * * * * * *Bottle Roll* * * * * * * * Au	Ag	* * * * * * * *Fire Assay* * * * * * * * Au	Ag
10618 N	00-05	0.002	0.04	0.003	0.06
10518 E	05-09	0.002	0.08	0.002	0.16
	09-14	0.002	0.10	0.004	0.22
	14-20	0.002	1.08	0.003	0.31
	20-28	0.004	0.16	0.005	0.30

Pit Assay 10642 N - 10525 E

Coordinates & Footages	*Bottle Roll* Au	*Bottle Roll* Ag	*Fire Assay* Au	*Fire Assay* Ag
10642 N 00-05	0.000	0.04	0.000	0.08
10525 E 05-08	0.002	0.10	0.004	0.18
08-12	0.035	0.06	0.038	0.26
16-19	0.008	0.54	0.010	0.64

NOTE: 12-16 = Fill (No Sample)

Pit Assay Bottle Rolls 10650 E

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
* 10650 E 71-81	0.028	0.29
81-94	0.010	0.13

* NOTE: This trench needs to be resurveyed.

Pit Assay Bottle Rolls 13100 N thru 13400 N

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
13100 N	00-10	0.014	0.26
	10-17	0.008	0.24
13200 N	00-07	0.010	0.18
	07-18	0.008	0.28
	18-25	0.007	0.18
	25-33	0.005	0.10
13300 N	00-10	0.006	0.16
	10-19	0.005	0.22
	19-29	0.003	0.12
	29-42	0.004	0.08
13400 N	00-11	0.006	0.10
	11-19	0.004	0.14
	19-29	0.007	0.18

Pit Assay 13400 N

Coordinates & Footages	* * * * * * * *Bottle Roll* * * * * * * * Au	Ag	* * * * * * * *Fire Assay* * * * * * * * Au	Ag
13400 N 29-40	0.000	0.05		

PIT ASSAY - BOTTLE ROLLS

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
10276 N Comp	0.010	0.72
10325 N Comp	0.006	0.10
10345 N Comp	0.008	0.24

Pit Assay Bottle Rolls (Resamples and Extensions)

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9700 N	00-78	0.020	0.58
	78-100	0.018	0.32
	100-158	0.020	0.42
9850 E	25-45	0.016	0.22
10179	00-06	0.020	0.42
	06-09	0.016	0.22
10200	09-13	0.084	157.04
10210 N	00-12	0.012	0.32
	12-20	0.016	0.36
	20-30	0.014	0.26
	30-36	0.010	0.10
	36-49	0.012	0.12
	49-58	0.014	0.24
10400	10-13	0.028	0.92
10419 N	12-14	0.020	0.68
	Extension	0.012	0.14
10440 N	Ext.	0.016	0.54
10458 N	Ext.	0.012	0.12
10545 N	00-10	0.038	0.78
	10-20	0.014	0.22
	20-27	0.026	0.46
	27-34	0.016	0.30
10560 E	00-12	0.018	0.66
	12-17	0.010	0.14
	17-27	0.012	0.18
	27-33	0.010	0.12
	33-40	0.012	0.18
	40-57	0.018	0.30
	57-71	No Sample	

Pit Assay Bottle Rolls

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
10240 N GRAB	0.010	1.10
10260 N GRAB	0.007	0.60
10520 'A' Wall	0.002	0.18
'B' Wall	0.004	0.76
'C' Wall	0.004	0.90
'D' Wall	0.003	0.54
10675 E 00-05	0.002	0.28
05-16	0.002	0.28
22-26	0.004	0.42
26-33	0.003	0.48
9804 32-43	0.008	0.35
43-52	0.004	0.20
52-59	0.010	0.20

Pit Assay Bottle Rolls

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
9750N 'A' Grab	0.017	0.36
'B' Grab	0.010	0.20
10225 Grab V10	0.008	0.44
10290 N 00-07	0.009	0.22
13-19	0.009	0.24
25-33	0.007	0.28
10310 N 00-06	0.014	0.42
11-17	0.018	0.72
17-21	0.011	0.24
21-28	0.007	0.14

Pit Assay Bottle Rolls

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10245 N	00-03	0.074	32.72
	09-15	0.018	0.76
	15-20	0.016	0.54
	20-27	0.070	5.50
	27-35	0.062	8.40
	35-38	0.034	0.44
10270 N	10-19	0.016	1.10
	19-26	0.008	0.20
13400 N	29-40	0.000	0.05

Pit Assay Bottle Rolls 10520 N

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
* 10520 N	00-05	0.020	0.22
	05-12	0.012	0.12
	12-22	0.008	0.11
	22-28	0.024	0.36
	28-35	0.020	0.20
	35-46	0.022	0.21
	46-50	0.022	0.22
	50-58	0.026	0.45
	58-63	0.020	0.13

* NOTE: This trench needs to be resurveyed.

Pit Assay Bottle Rolls 10510 E

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
* 10510 E 00-05	0.028	0.62
05-15	0.028	0.17
15-22	0.026	0.17
22-28	0.038	0.30
28-35	0.018	0.20
35-47	0.032	0.37
47-57	0.030	0.28
57-62	0.026	0.24
62-73	0.024	0.44

* NOTE: This trench needs to be resurveyed.

Pit Assay Bottle Rolls 9918 N / 10230 E

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
9918 N 00-06	0.016	0.22
10230 E 06-14	0.018	0.18
14-19	0.012	0.32
19-25	0.024	0.92
25-29	0.020	1.08
29-34	0.020	0.60
34-39	0.018	0.64
39-49	0.020	0.40
49-75	No Sample (Fill)	
75-82	0.014	0.12
82-89	0.010	0.18
89-93	0.016	0.32
93-102	0.012	0.18

Pit Assay Bottle Rolls

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
10240 N GRAB	0.010	1.10
10260 N GRAB	0.007	0.60
10520E 'A' Wall	0.002	0.18
'B' Wall	0.004	0.76
'C' Wall	0.004	0.90
'D' Wall	0.003	0.54
10675 E 00-05	0.002	0.28
05-16	0.002	0.28
22-26	0.004	0.42
26-33	0.003	0.48
9804N 32-43	0.008	0.35
43-52	0.004	0.20
52-59	0.010	0.20

Pit Assay Bottle Rolls 10730 N

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10730 N	00-09	0.003	0.26
	09-14	0.018	0.43
	14-19	0.003	0.20
	19-26	0.003	0.22
	26-29	0.005	0.34
	29-33	0.002	0.20
	33-35	0.002	0.24

Pit Assay Bottle Rolls 10600 N thru 10650 N

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
10600 E	00-13	0.010	0.82
	13-19	0.011	0.60
	19-25	0.008	0.40
	25-38	0.003	0.80
	38-43	0.026	1.16
	43-55	0.015	0.80
	55-61	0.006	0.22
	61-65	0.005	0.26
	65-70	0.004	0.25
10650 N	00-14	0.002	0.14
	14-32	0.001	0.12
	32-39	0.002	0.12
	39-52	0.002	0.16

Pit Assay Bottle Rolls 13100 N thru 13400 N

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
13100 N	00-10	0.014	0.26
	10-17	0.008	0.24
13200 N	00-07	0.010	0.18
	07-18	0.008	0.28
	18-25	0.007	0.18
	25-33	0.005	0.10
13300 N	00-10	0.006	0.16
	10-19	0.005	0.22
	19-29	0.003	0.12
	29-42	0.004	0.08
13400 N	00-11	0.006	0.10
	11-19	0.004	0.14
	19-29	0.007	0.18

Pit Assay Bottle Rolls 10210 E / 9900 N

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
10210 E 00-05	0.004	0.17
9900 N 05-14	0.022	0.30
14-28	0.004	0.15
28-34	0.002	0.14
34-46	0.006	0.08
46-55	0.020	0.31
55-61	0.008	0.14
61-78	0.006	0.14

Pit Assay Bottle Rolls 9765 N

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
9765 N 00-04	0.006	0.02
10235E 04-10	0.008	0.03
10-17	0.002	0.02
17-24	0.002	0.02
24-30	0.006	0.52
30-37	0.000	0.02
37-45	0.002	0.02
45-49	0.002	0.10
49-55	0.000	0.01
55-61	0.000	0.05
61-69	0.000	0.04
69-77	0.000	0.04
77-85	0.000	0.03
85-92	0.000	0.03
92-101	0.012	0.22
101-106	0.008	0.10
106-110	0.020	0.16
110-120	0.017	0.08
120-129	0.003	0.10
129-134	0.005	0.12

Pit Assay Bottle Rolls 9871 N / 10227 E

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
9871 N 00-07	0.020	0.18
10227 E 07-11	0.022	0.20
11-18	0.016	0.10
18-23	0.016	0.09
23-27	0.020	0.18
27-30	0.014	0.14
30-36	0.016	0.16
36-38	0.016	0.24
38-41	0.020	0.24
41-47	0.020	0.20

PIT ASSAY - BOTTLE ROLLS

		Au Oz/Ton	Ag Oz/Ton
10220	00-06	0.014	21.20
	06-09	0.052	49.50
	09-12	0.006	0.06
10240	00-05	0.008	0.09
	05-09	0.018	0.10
	09-13	0.016	6.60
	13-17	0.006	0.06
10260	00-02	0.009	5.04
	02-06	0.006	9.06
	06-10	0.044	7.22
	10-13	0.006	0.13
10320	Comp	0.010	0.72
10340	00-03	0.004	0.02
	03-07	0.004	0.04
	07-10	0.016	0.44
	10-13	0.008	0.02
	13-16	0.012	0.32
10360	Comp	0.006	0.10
10380	Comp	0.008	0.24
10400	00-02	0.006	0.02
	02-07	0.013	0.10
	07-10	0.006	0.08
	10-13	0.011	0.20
10420	00-02	0.020	0.92
	02-05	0.018	0.18
	05-10	0.018	0.32
	10-12	0.004	0.06
	12-15	0.012	0.02
	15-18	0.004	0.02
10440	00-02	0.016	0.98
	02-05	0.046	8.94
	05-10	0.018	0.42
	10-13	0.014	2.18
	13-19	0.010	0.26
	19-22	0.002	0.02
10460	00-02	0.012	0.04
	02-07	0.010	0.04
	07-12	0.052	1.04
	12-14	0.064	8.20
	14-18	0.018	0.32
10480	00-05	0.012	0.02
	05-07	0.010	0.02
	07-10	0.006	0.02
	10-13	0.012	0.04
	13-17	0.014	0.04
10500	00-04	0.020	0.03
	04-06	0.000	0.02
	06-11	0.015	0.04
	11-16	0.020	0.14

Pit Assay Bottle Rolls (Resamples and Extensions)

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
*700 N	00-78	0.020	0.58
	78-100	0.018	0.32
	100-158	0.020	0.42
9850 E	25-45	0.016	0.22
10179	00-06	0.020	0.42
	06-09	0.016	0.22
10200	09-13	0.084	157.04
10210 N	00-12	0.012	0.32
	12-20	0.016	0.36
	20-30	0.014	0.26
	30-36	0.010	0.10
	36-49	0.012	0.12
	49-58	0.014	0.24
10400	10-13	0.028	0.92
10419 N	12-14	0.020	0.68
	Extension	0.012	0.14
10440 N	Ext.	0.016	0.54
10458 N	Ext.	0.012	0.12
10545 N	00-10	0.038	0.78
	10-20	0.014	0.22
	20-27	0.026	0.46
	27-34	0.016	0.30
~~10650~~ E	00-12	0.018	0.66
10560E	12-17	0.010	0.14
	17-27	0.012	0.18
	27-33	0.010	0.12
	33-40	0.012	0.18
	40-57	0.018	0.30

Pit Assay Bottle Rolls

Co-ordinates & Footage		Au Oz/Ton	Ag Oz/Ton
9750N	'A' Grab	0.017	0.36
	'B' Grab	0.010	0.20
10225N	Grab V10	0.008	0.44
10290 N	00-07	0.009	0.22
10342E	13-19	0.009	0.24
	25-33	0.007	0.28
10310 N	00-06	0.014	0.42
	11-17	0.018	0.72
10350E	17-21	0.011	0.24
	21-28	0.007	0.14

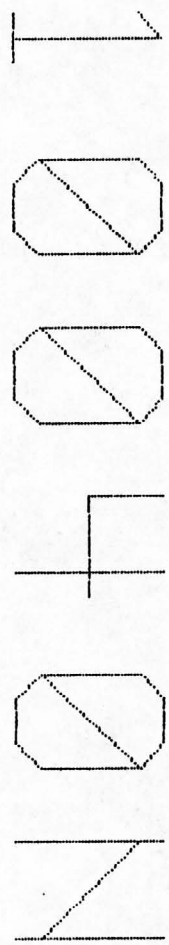
Pit Assay Bottle Rolls 10370 E

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
10370 E 00-06	0.014	0.14
06-13	0.012	0.14
13-19	0.016	0.16
19-40	0.014	0.16

Pit Assay Bottle Rolls

Co-ordinates & Footage	Au Oz/Ton	Ag Oz/Ton
10245 N 00-03	0.074	32.72
09-15	0.018	0.76
15-20	0.016	0.54
20-27	0.070	5.50
27-35	0.062	8.40
35-38	0.034	0.44
10270 N 10-19	0.016	1.10
19-26	0.008	0.20
13400 N 29-40	0.000	0.05

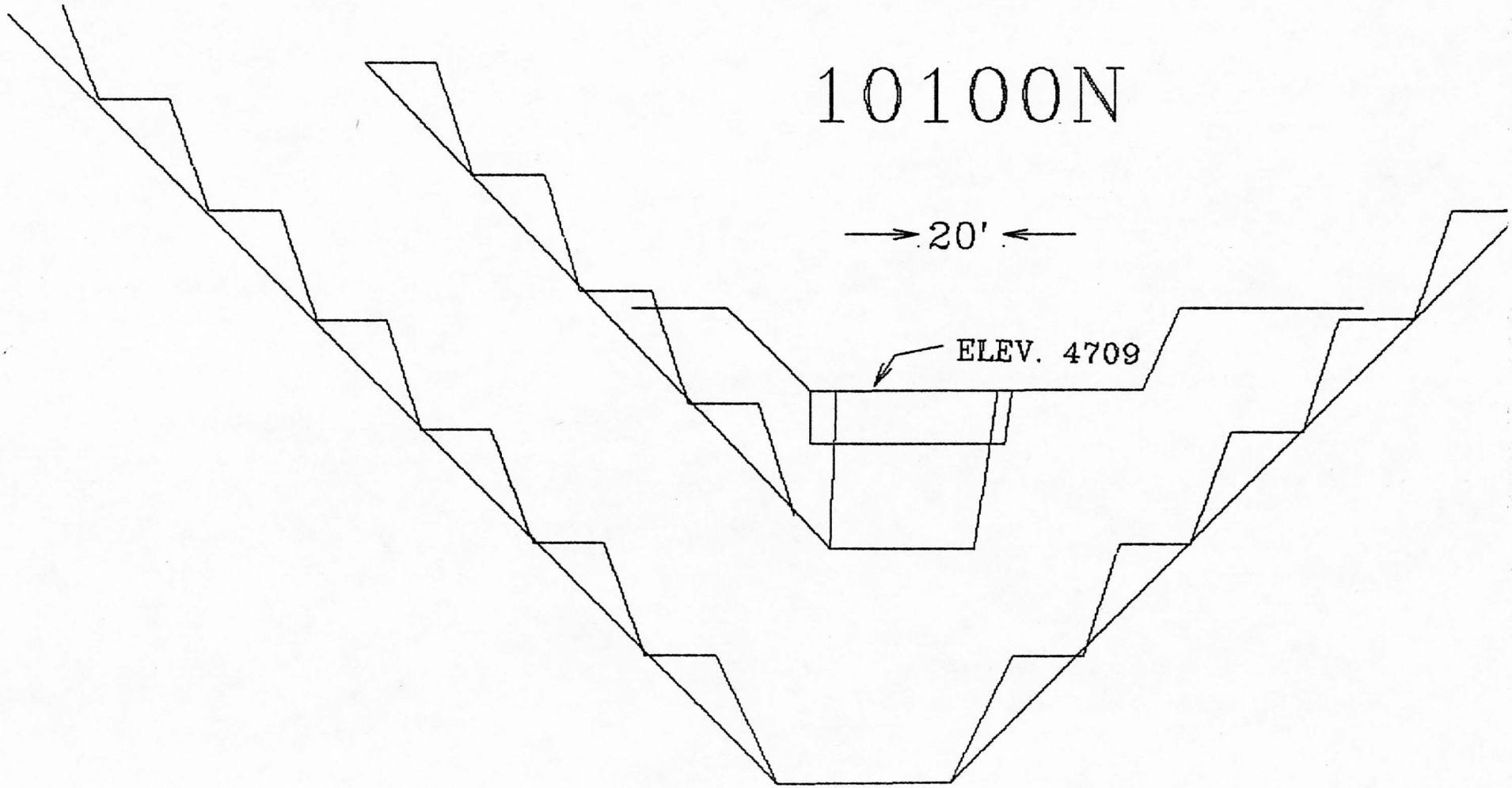
AG 0.10	AU .004
AG 1.79	AU .010
AG 1.74	AU .010
AG 1.69	AU .007

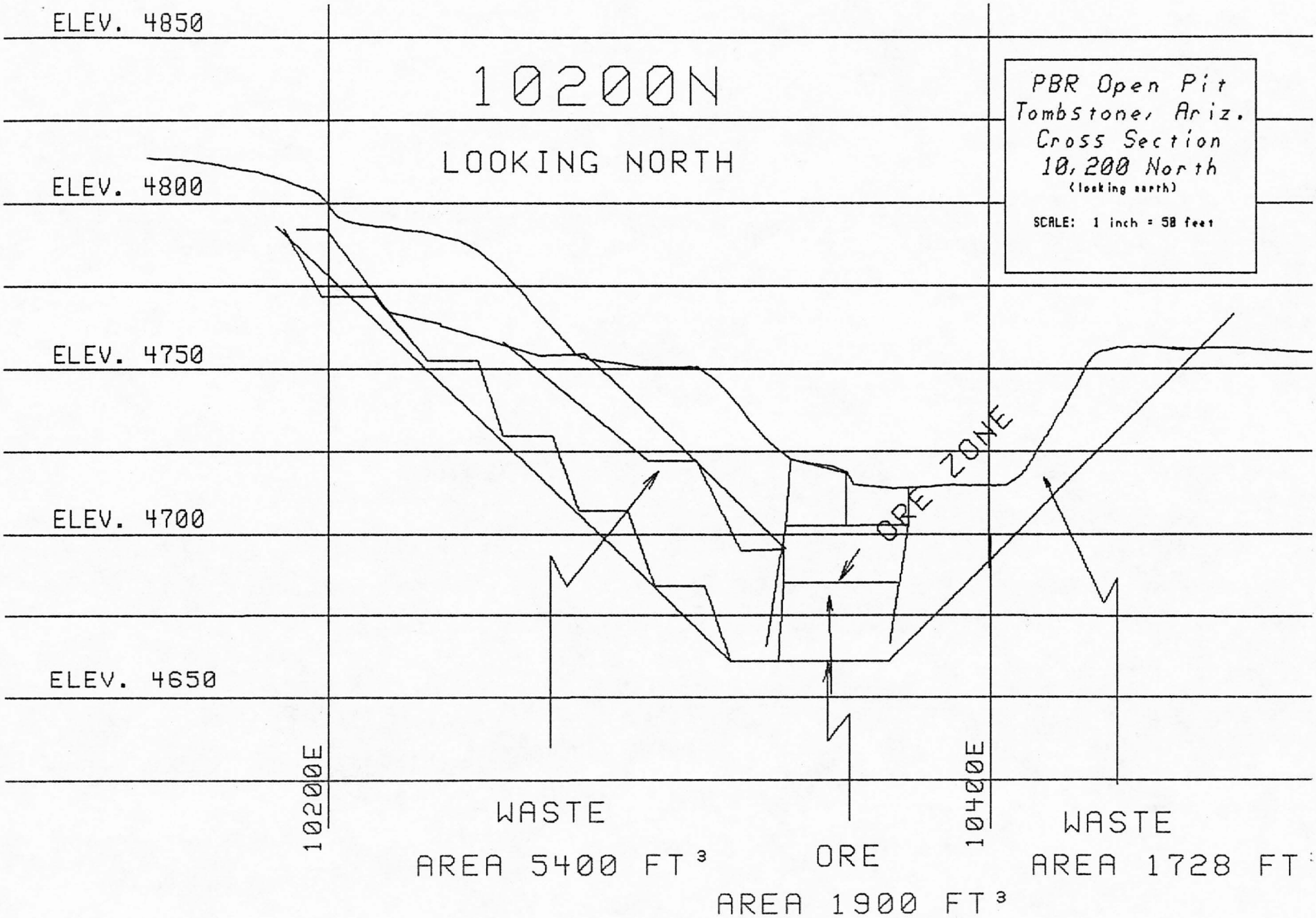


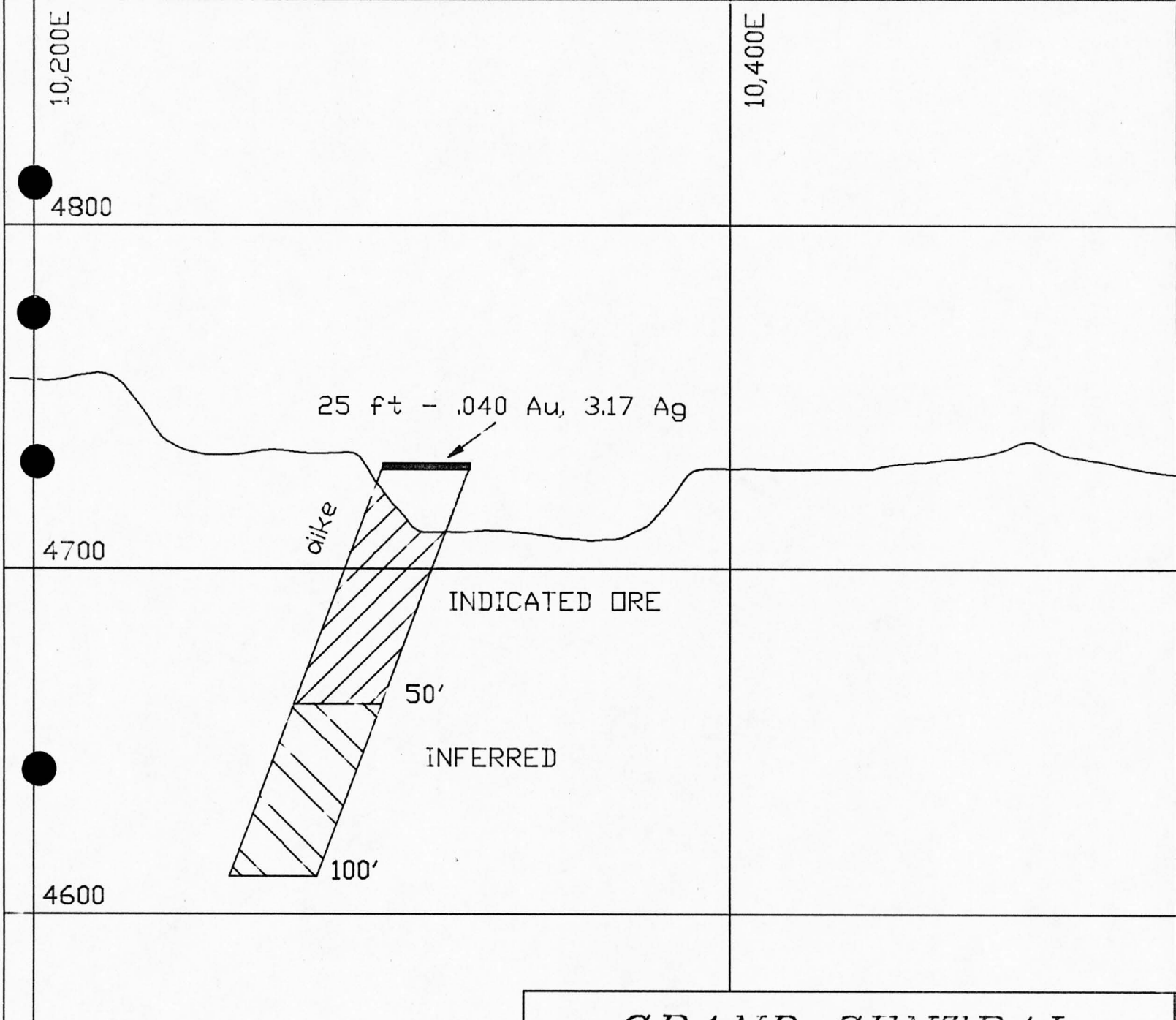
AG .08
AU .002
AG .03
AU .004
AG .28
AU .004
AG 0.91
AU .084
AG 21.59
AU .104
AG 2.20
AU .008
AG 3.15
AU .008
AG 1.54
AU .012
AG 0.93
AU .014
FILL
30.040
25.044

1002N

TRENCH CROSS-SECTIONS


10100N
20'
ELEV. 4709


ELEV. 4850
ELEV. 4800
ELEV. 4750
ELEV. 4700
ELEV. 4650
10200N
LOOKING NORTH
PBR Open Pit
Tombstone, Ariz.
Cross Section
10,200 North
(looking north)
SCALE: 1 inch = 50 feet
ORE ZONE
10200E
10400E
WASTE
AREA 5400 FT³
ORE
AREA 1900 FT³
WASTE
AREA 1728 FT



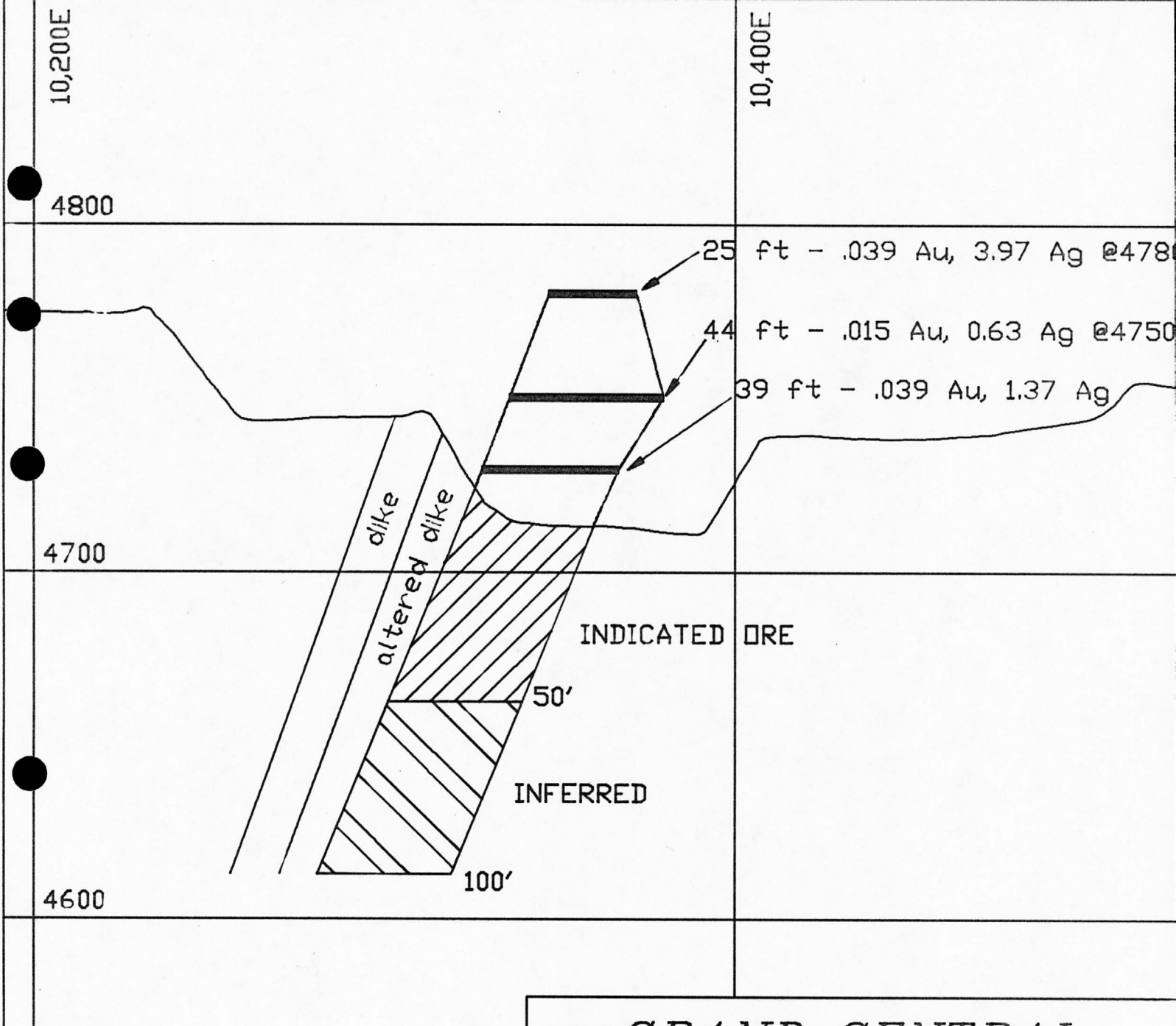
GRAND CENTRAL LEACHING FACILITIES

PBR Open Pit
Tombstone, Ariz.
Cross Section
10,000 North

(looking north)

SCALE: 1 INCH = 40 FEET

Date: August 1988



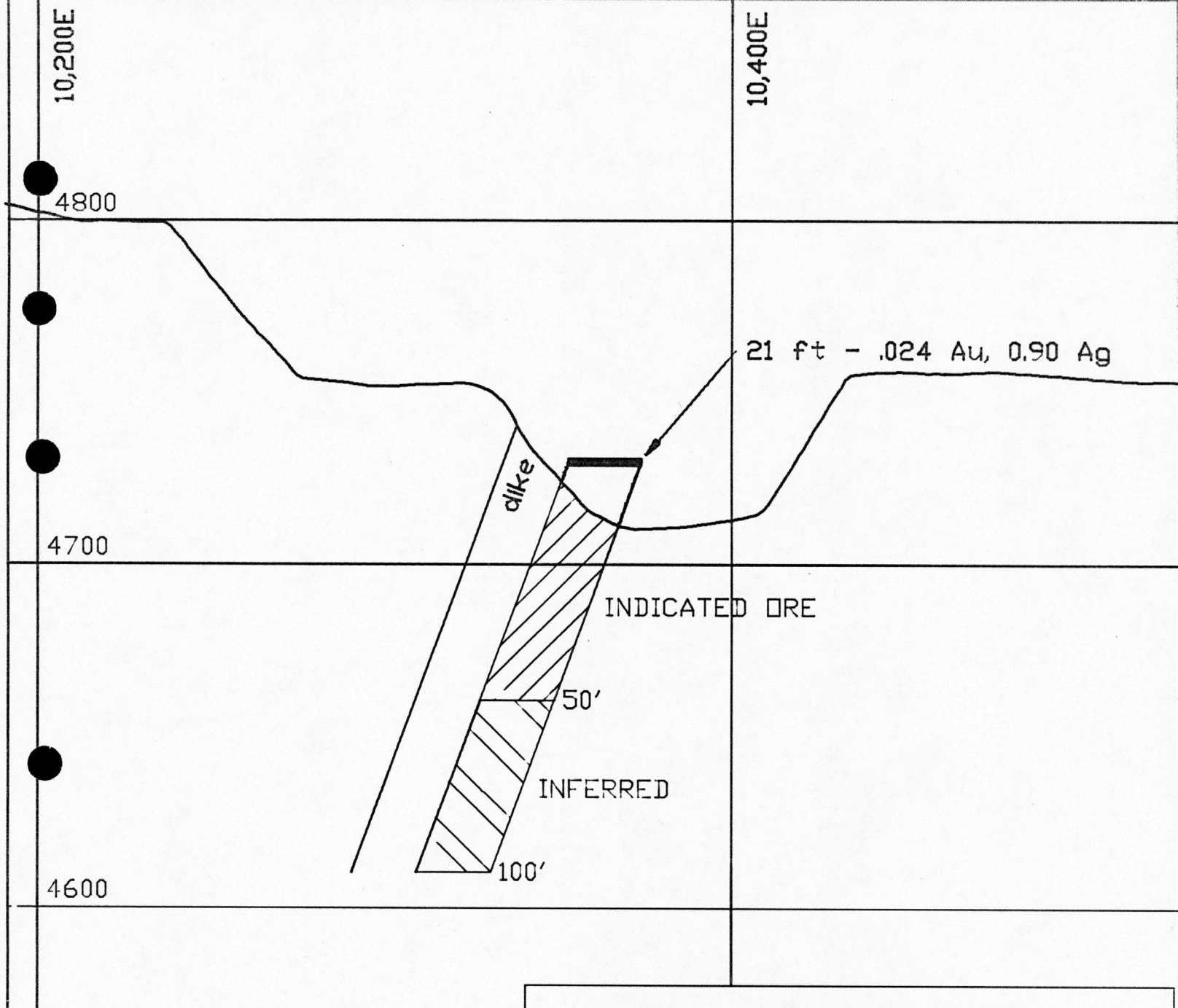
GRAND CENTRAL LEACHING FACILITIES

PBR Open Pit
Tombstone, Ariz.
Cross Section
10,100 North

(looking north)

SCALE: 1 INCH = 40 FEET

Date: August 1988



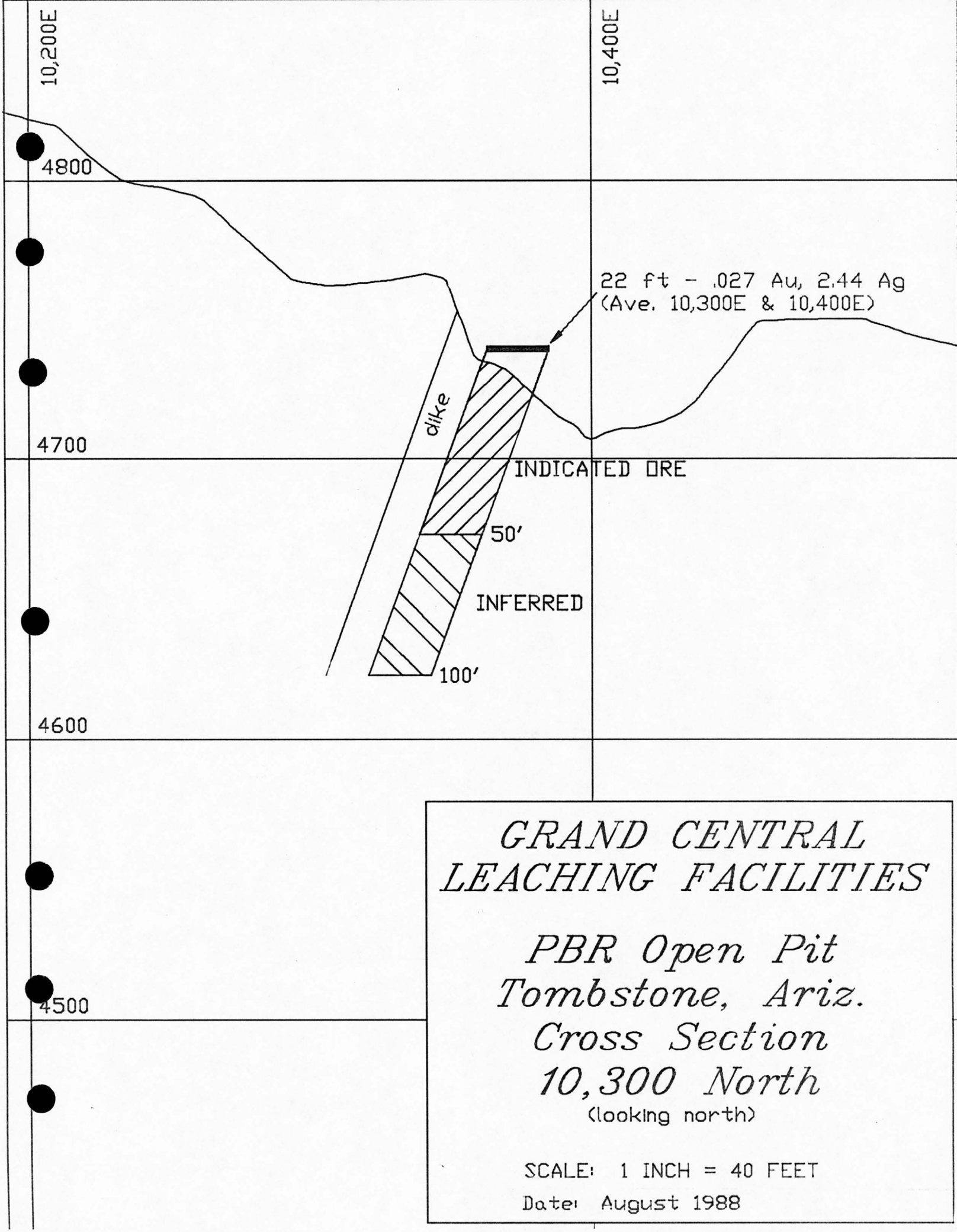
GRAND CENTRAL LEACHING FACILITIES

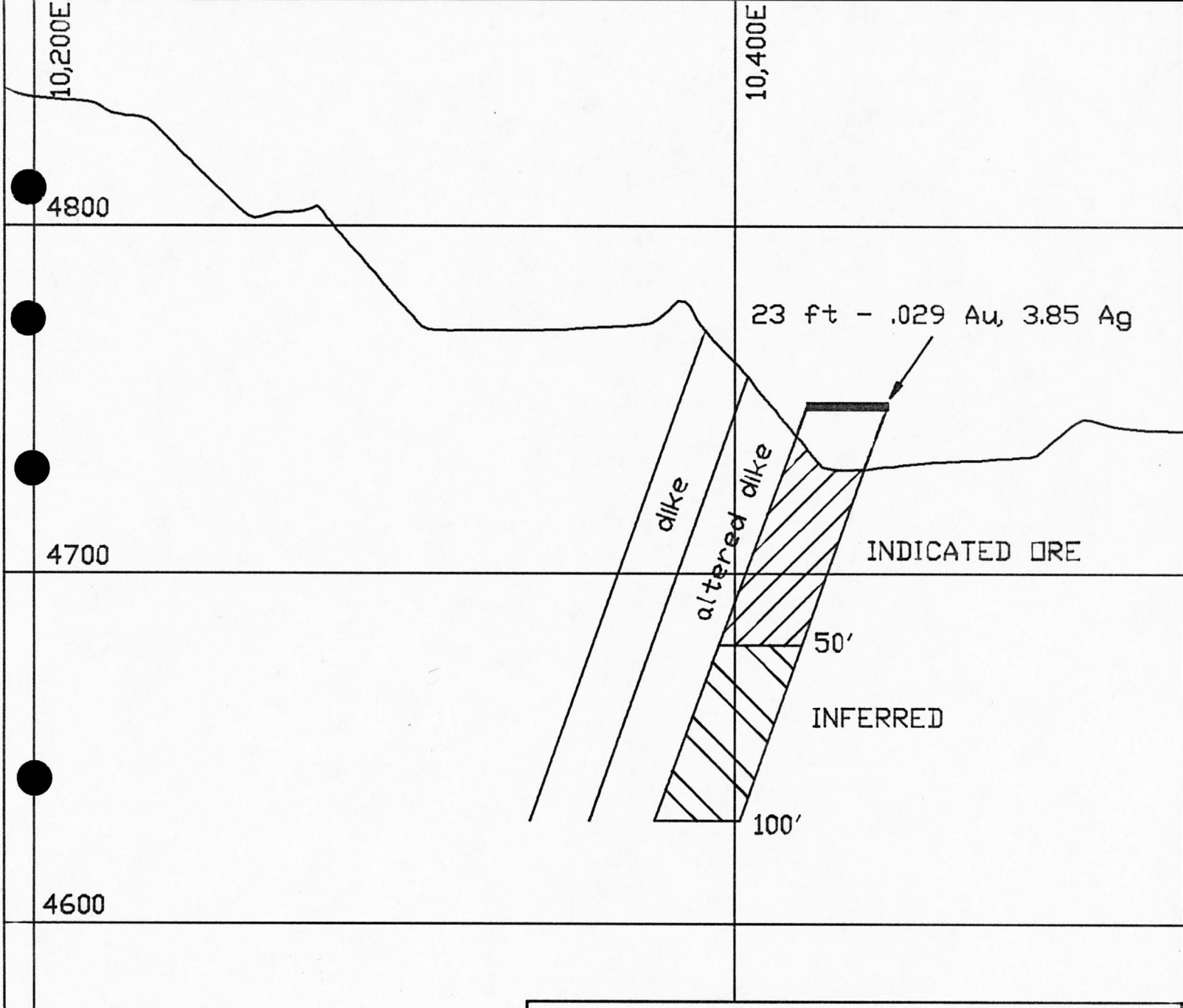
PBR Open Pit
Tombstone, Ariz.
Cross Section
10,200 North

(looking north)

SCALE: 1 INCH = 40 FEET

Date: August 1988


10,200E
10,400E
4800
4700
4600
4500
22 ft - .027 Au, 2.44 Ag
(Ave. 10,300E & 10,400E)
dike
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
10,300 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988



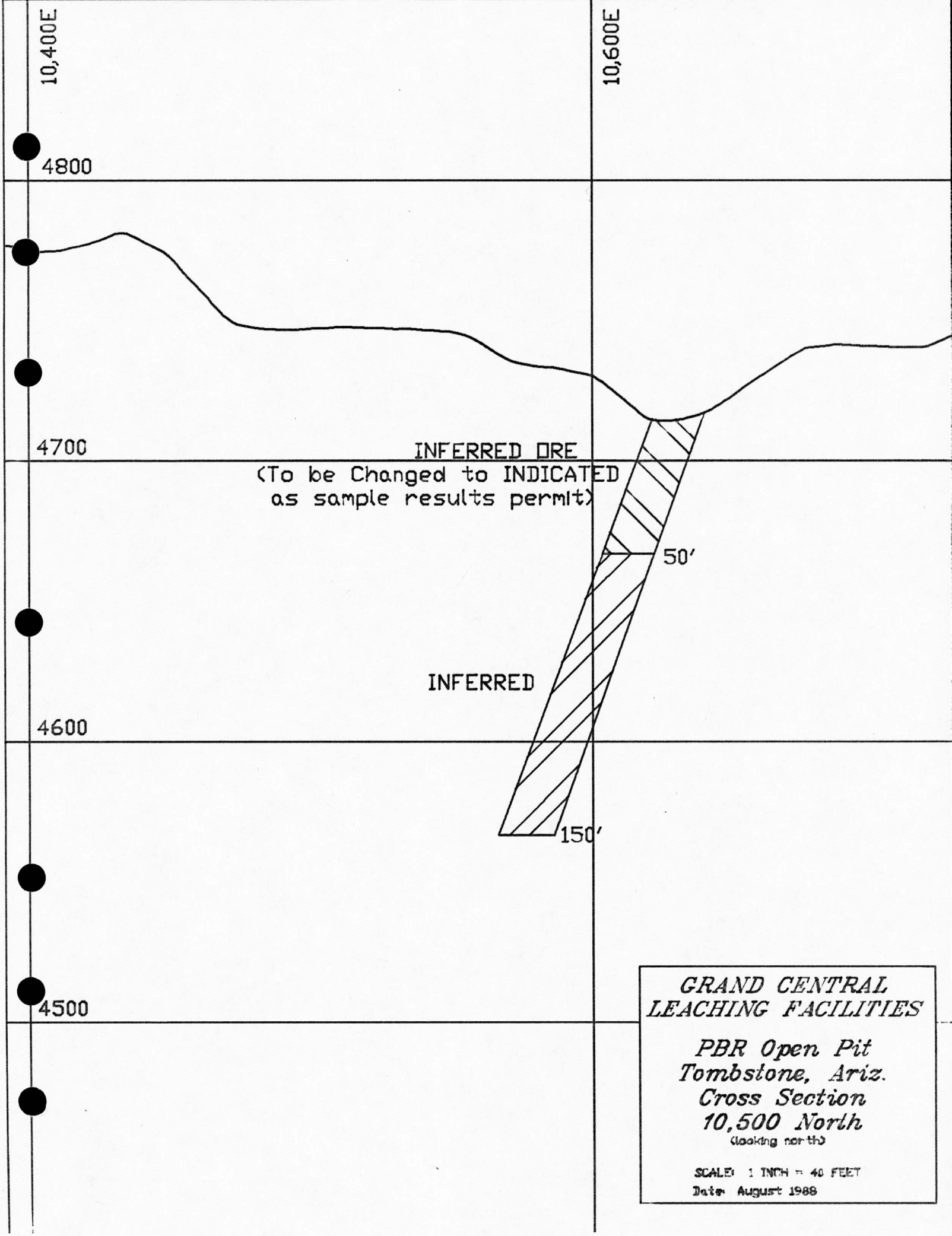
GRAND CENTRAL LEACHING FACILITIES

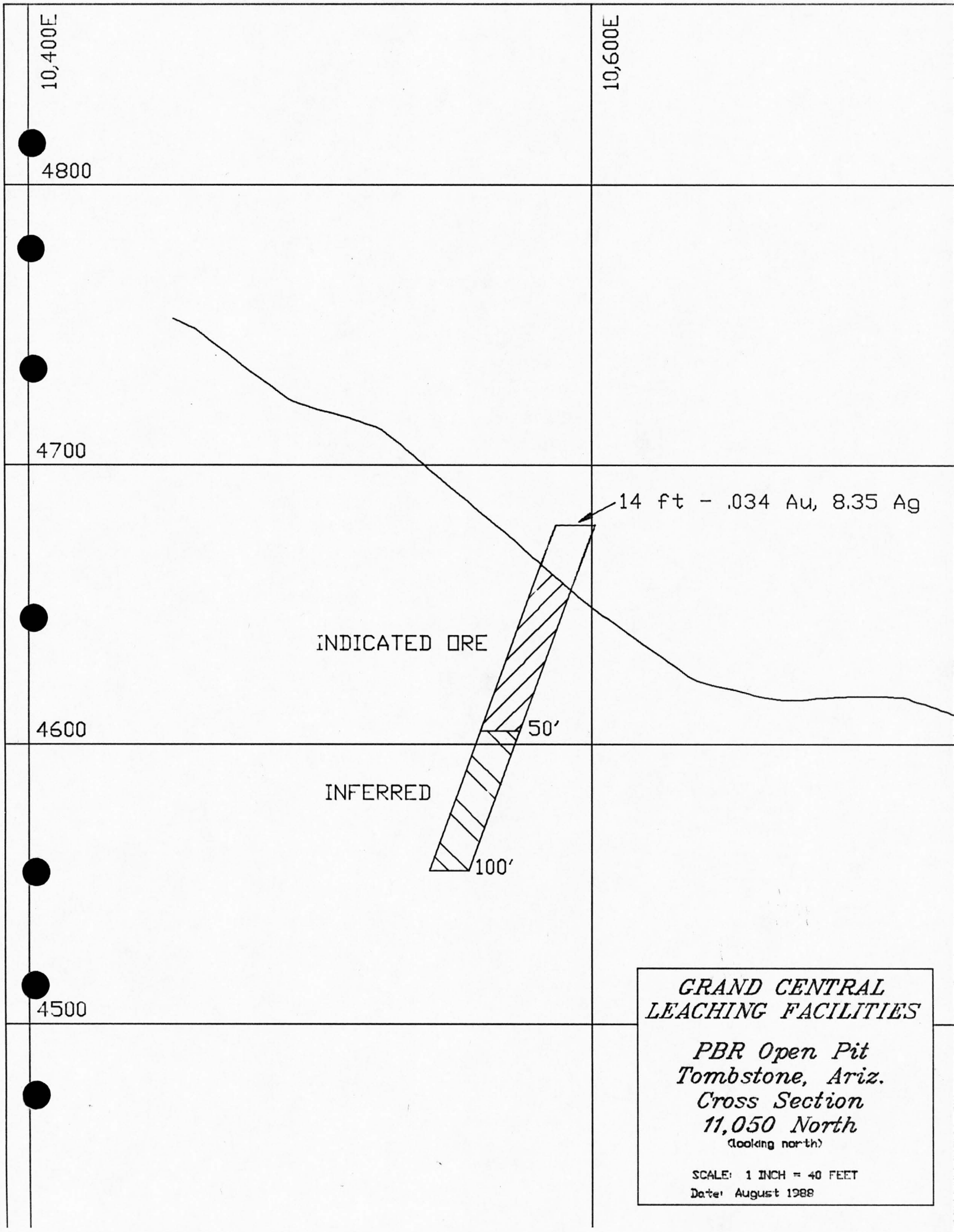
PBR Open Pit
Tombstone, Ariz.
Cross Section
10,400 North

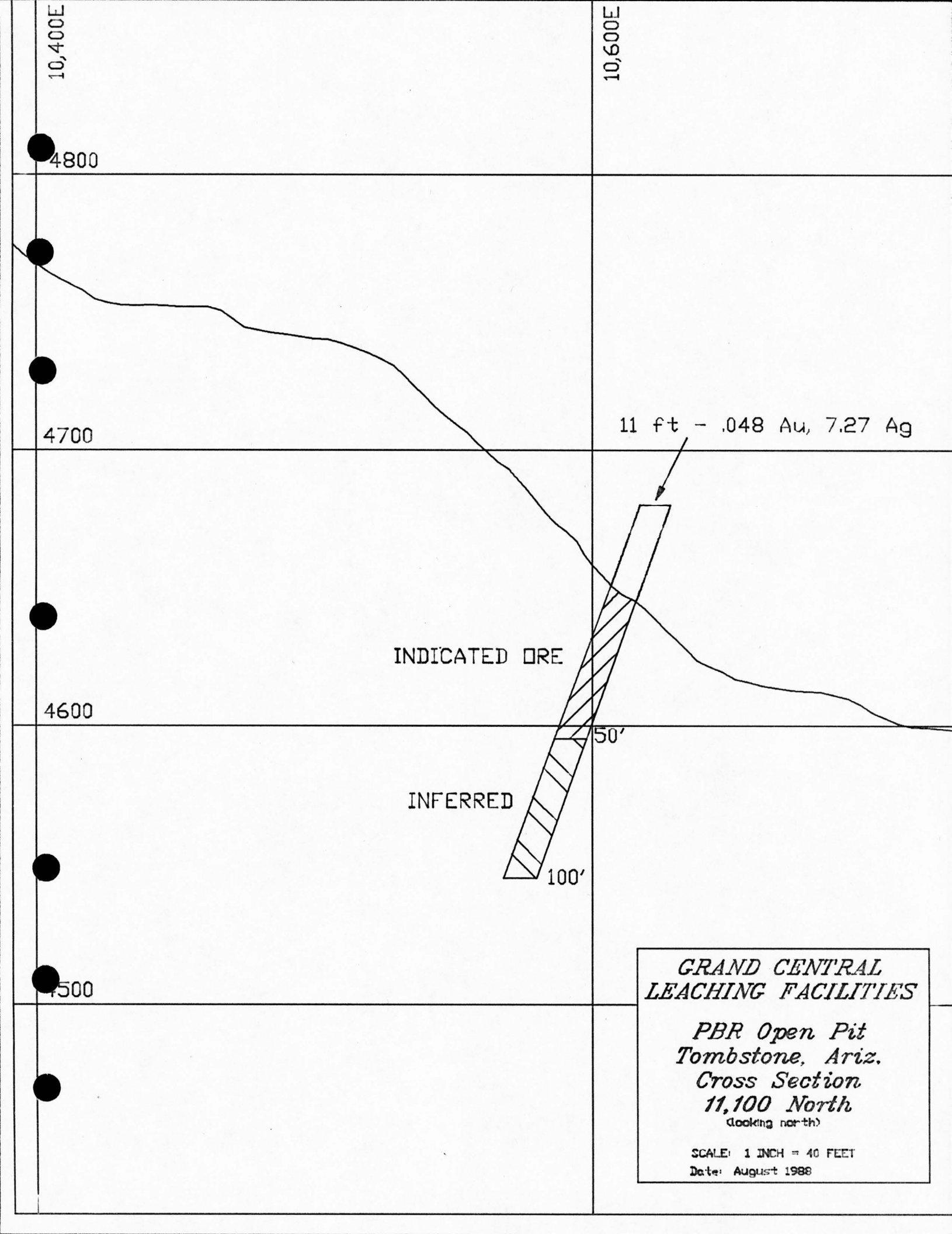
(looking north)

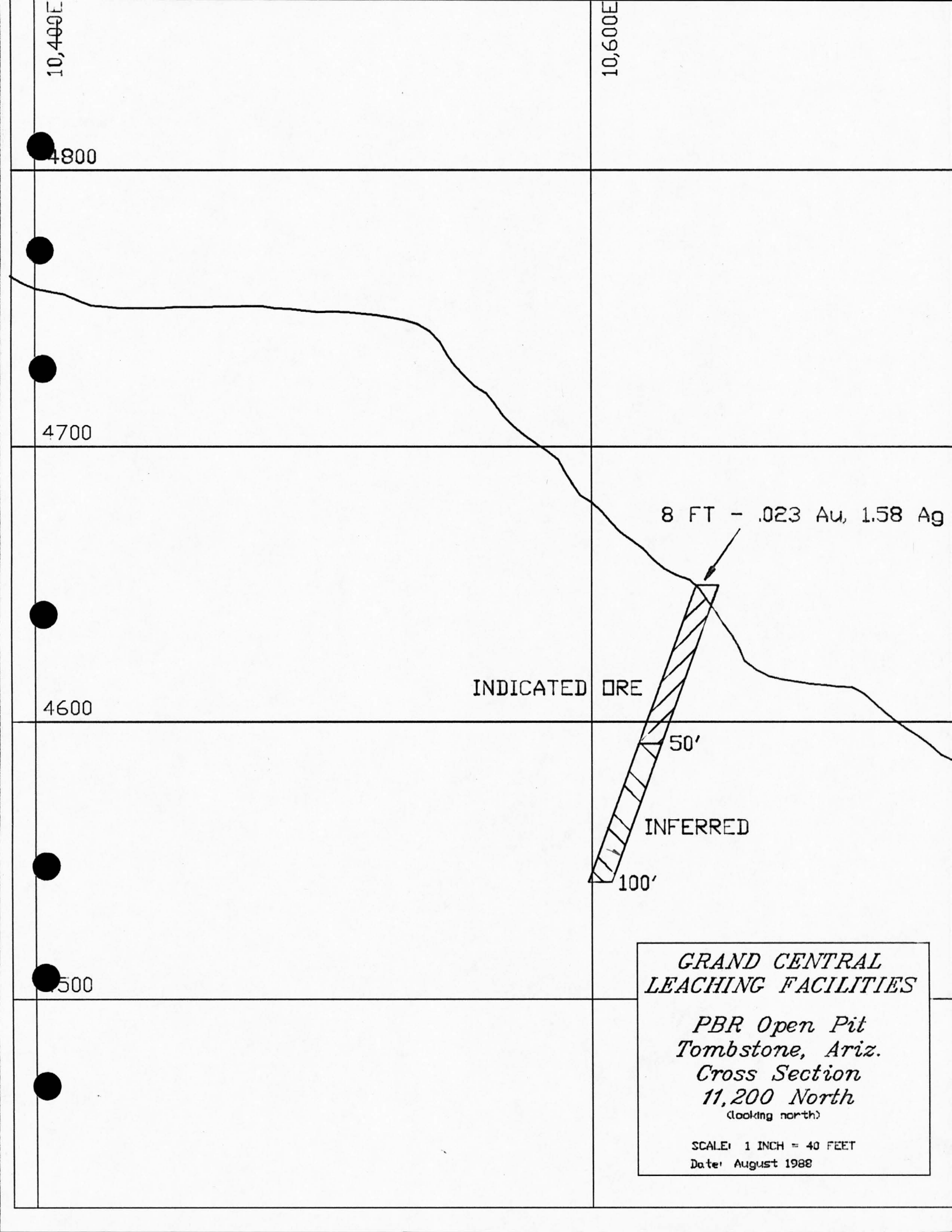
SCALE: 1 INCH = 40 FEET

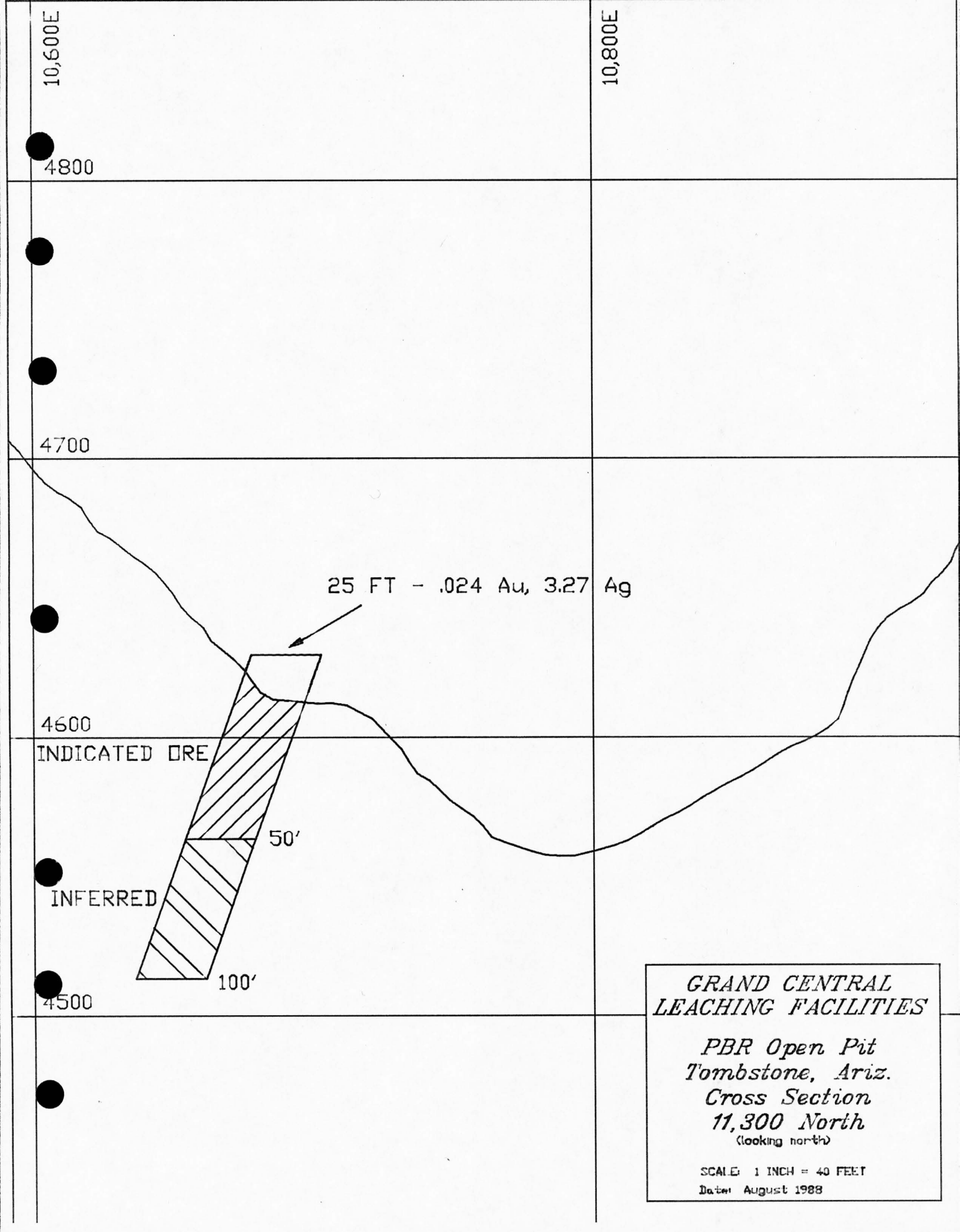
Date: August 1988

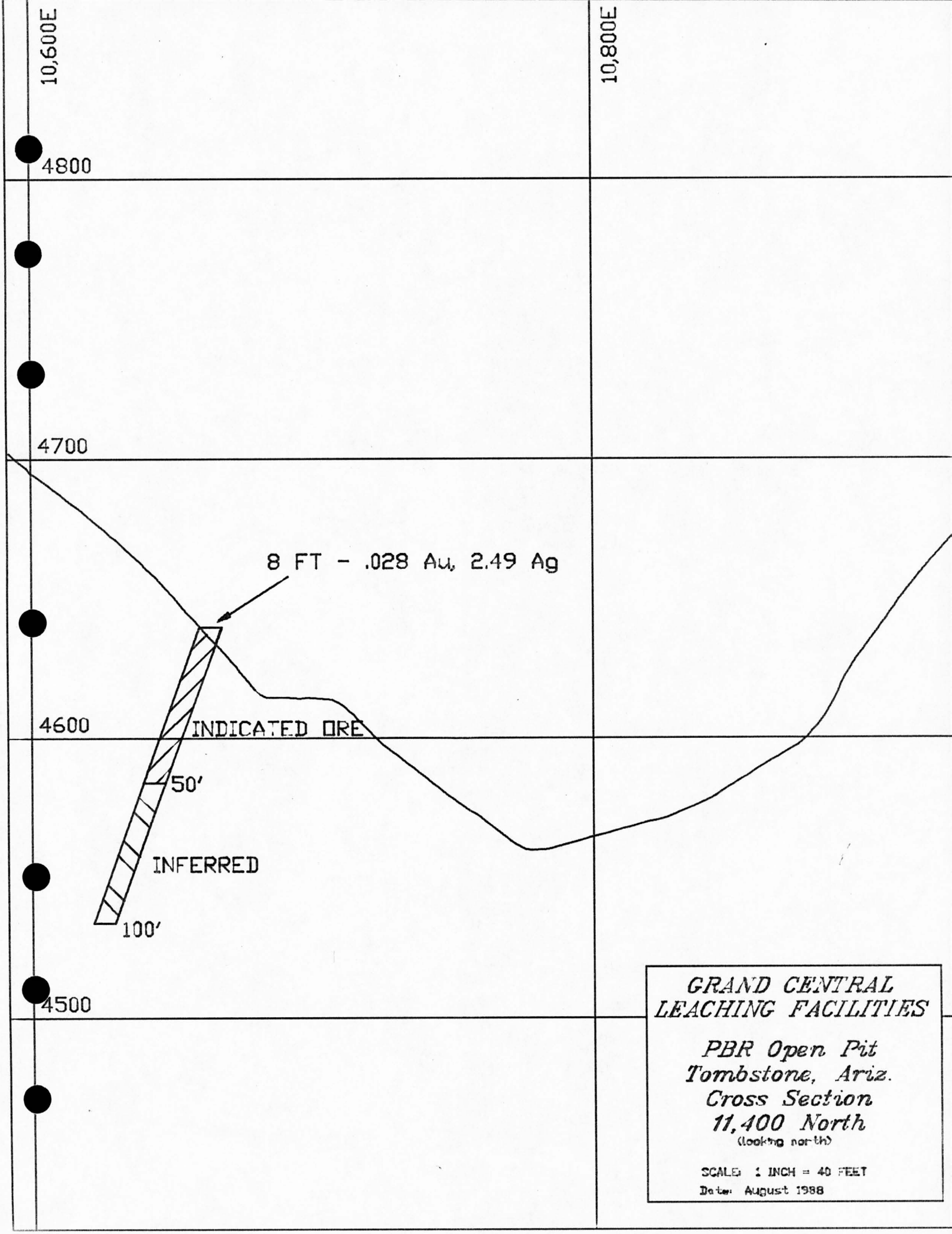

10,400E
10,600E
4800
4700
4600
4500
INFERRED ORE
(To be Changed to INDICATED
as sample results permit)
50'
INFERRED
150'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
10,500 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988

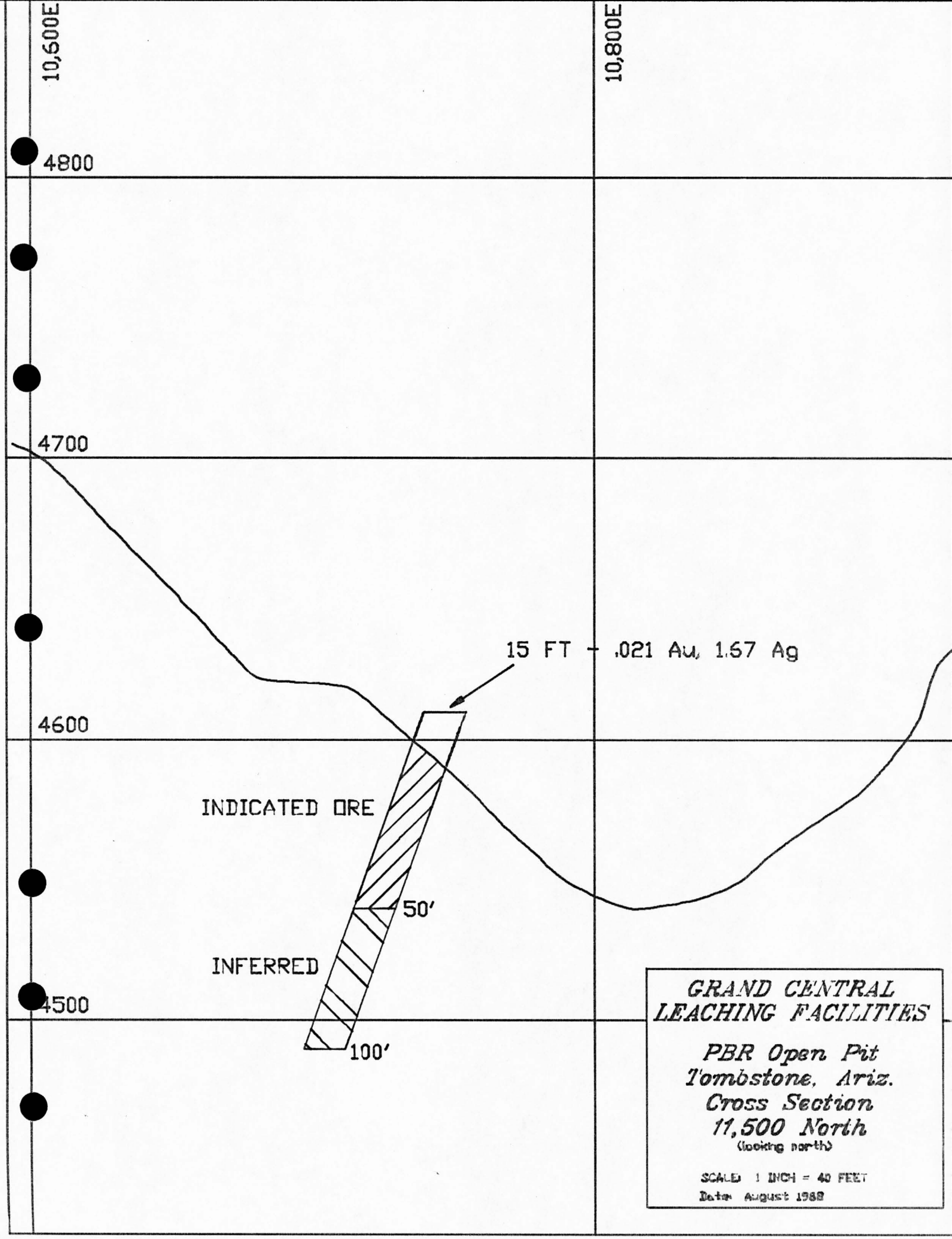

10,400E
10,600E
4800
4700
4600
4500
14 ft - .034 Au, 8.35 Ag
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
11,050 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988

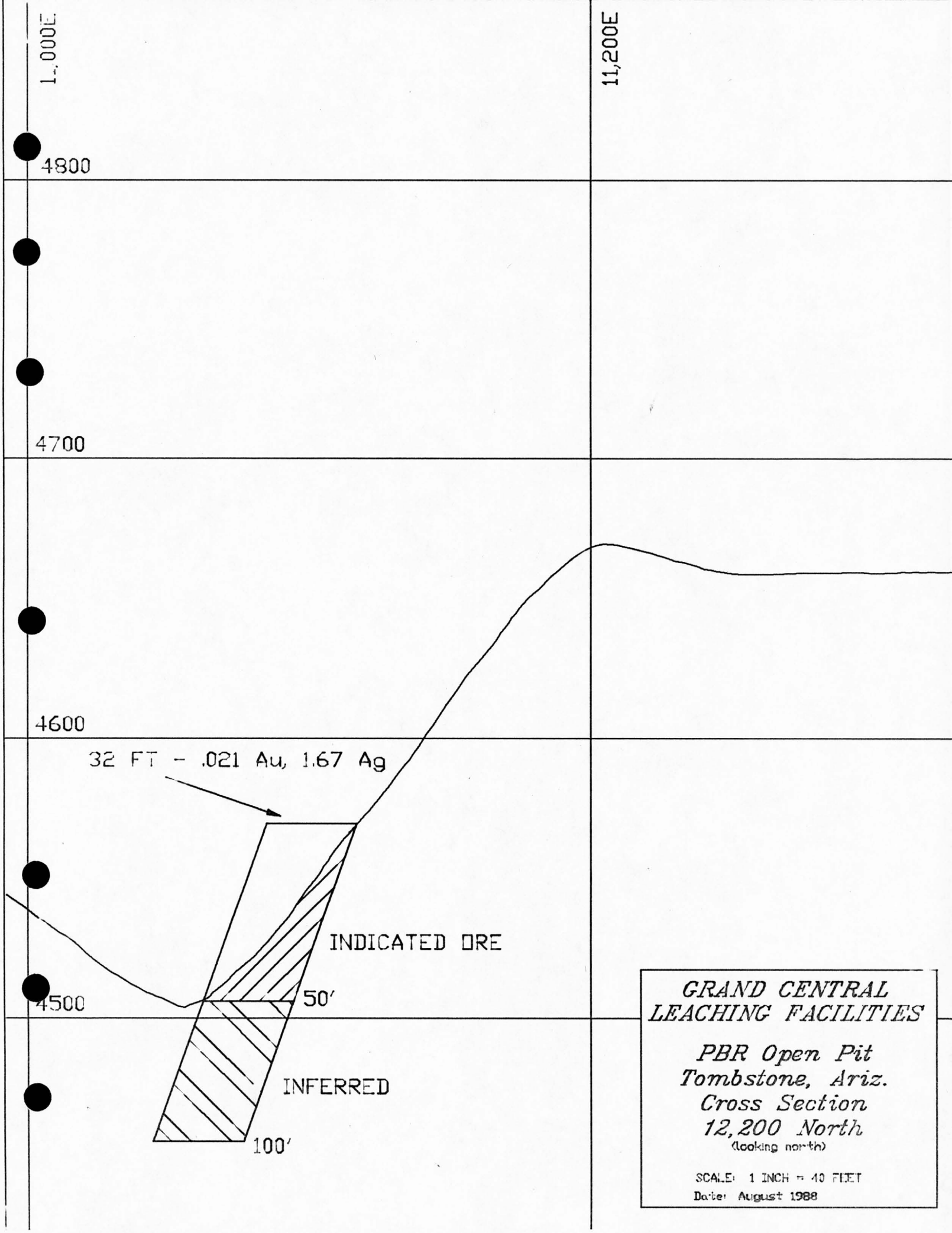

10,400E
10,600E
4800
4700
4600
4500
11 ft - .048 Au, 7.27 Ag
INDICATED ORE
INFERRED
50'
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
11,100 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988


10,400E
10,600E
4800
4700
4600
4500
8 FT - .023 Au, 1.58 Ag
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
11,200 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988


10,600E
10,800E
4800
4700
4600
4500
25 FT - .024 Au, 3.27 Ag
INDICATED ORE
INFERRED
50'
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
11,300 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988


10,600E
10,800E
4800
4700
4600
4500
8 FT - .028 Au, 2.49 Ag
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
11,400 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988

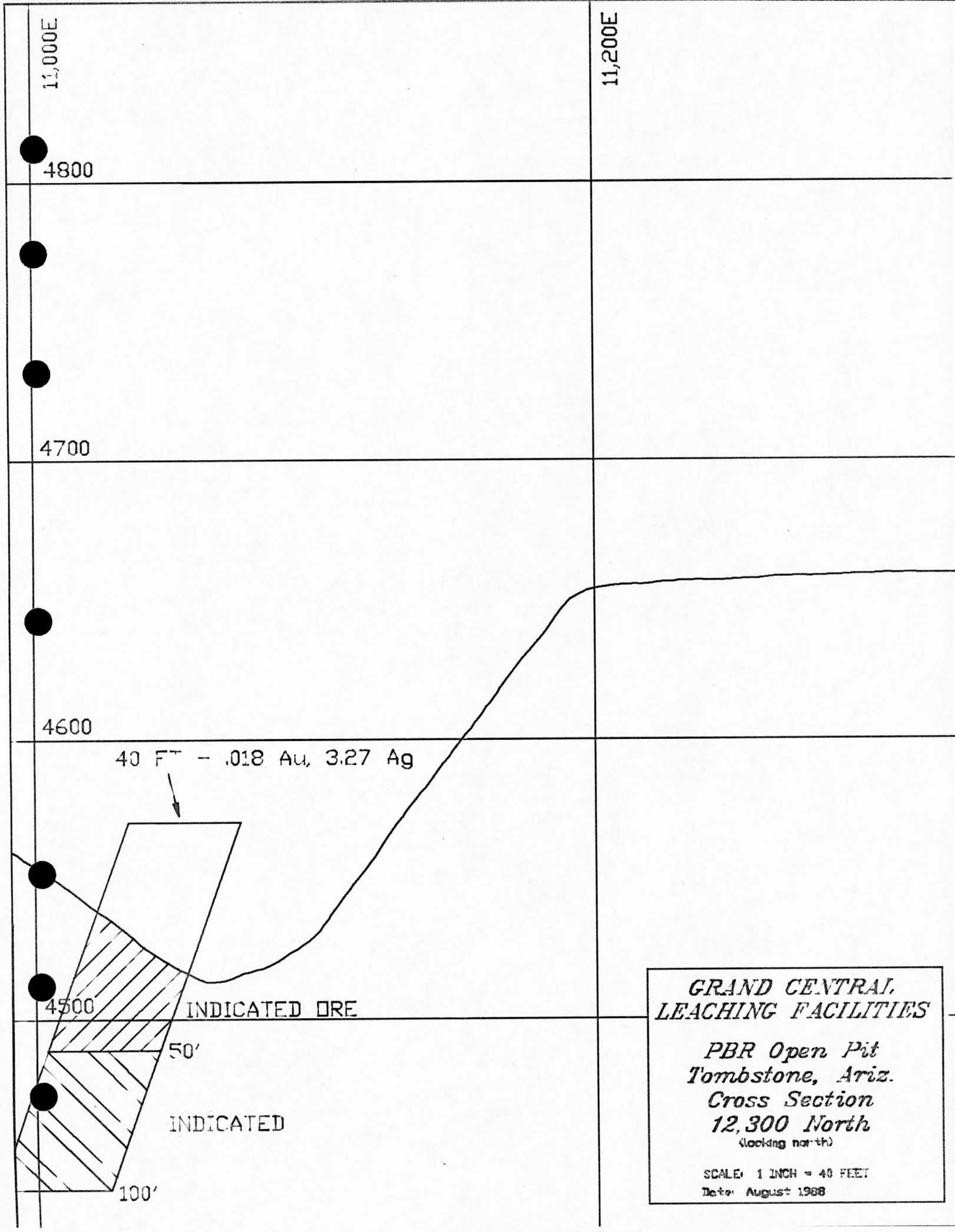

10,600E
10,800E
4800
4700
4600
4500
15 FT - .021 Au, 1.67 Ag
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
11,500 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988

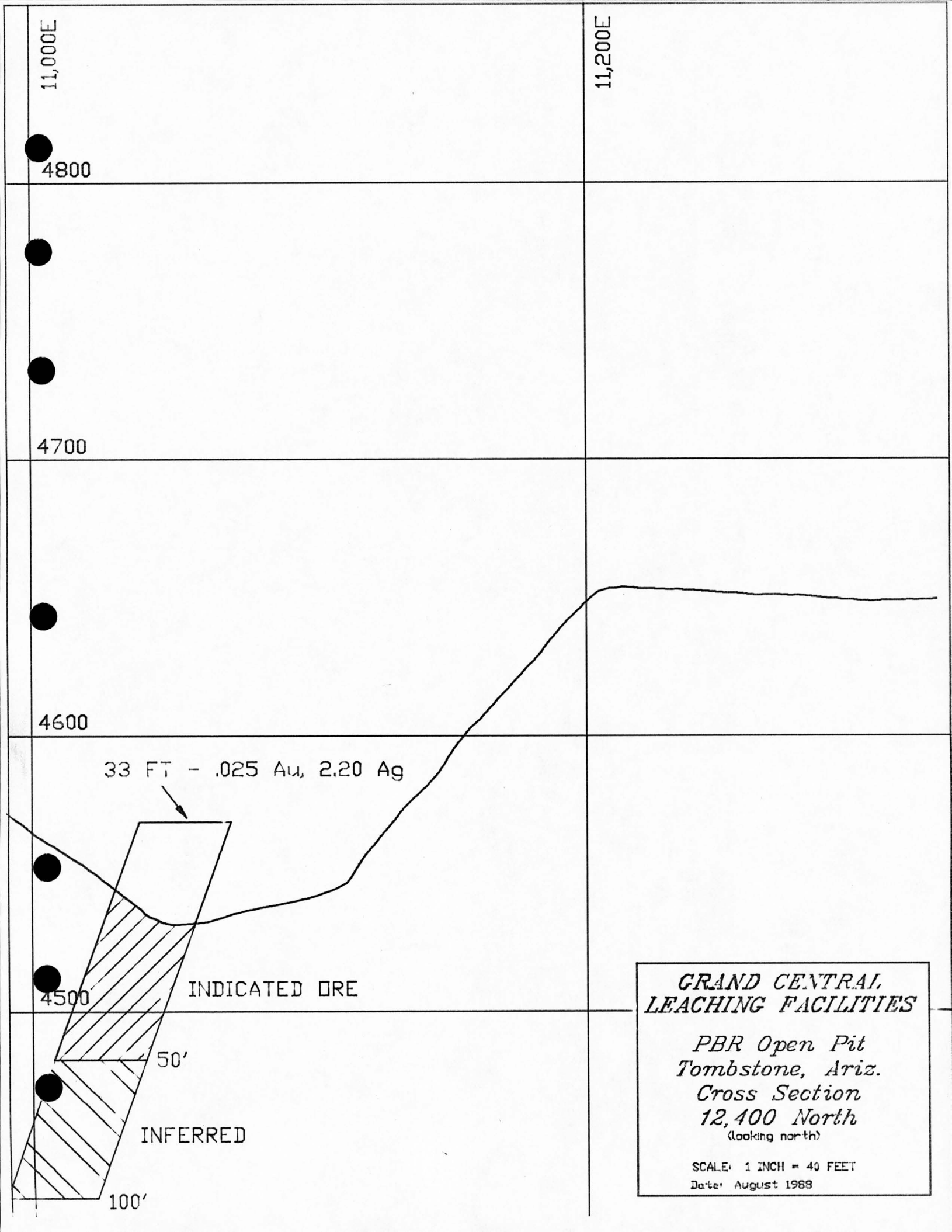


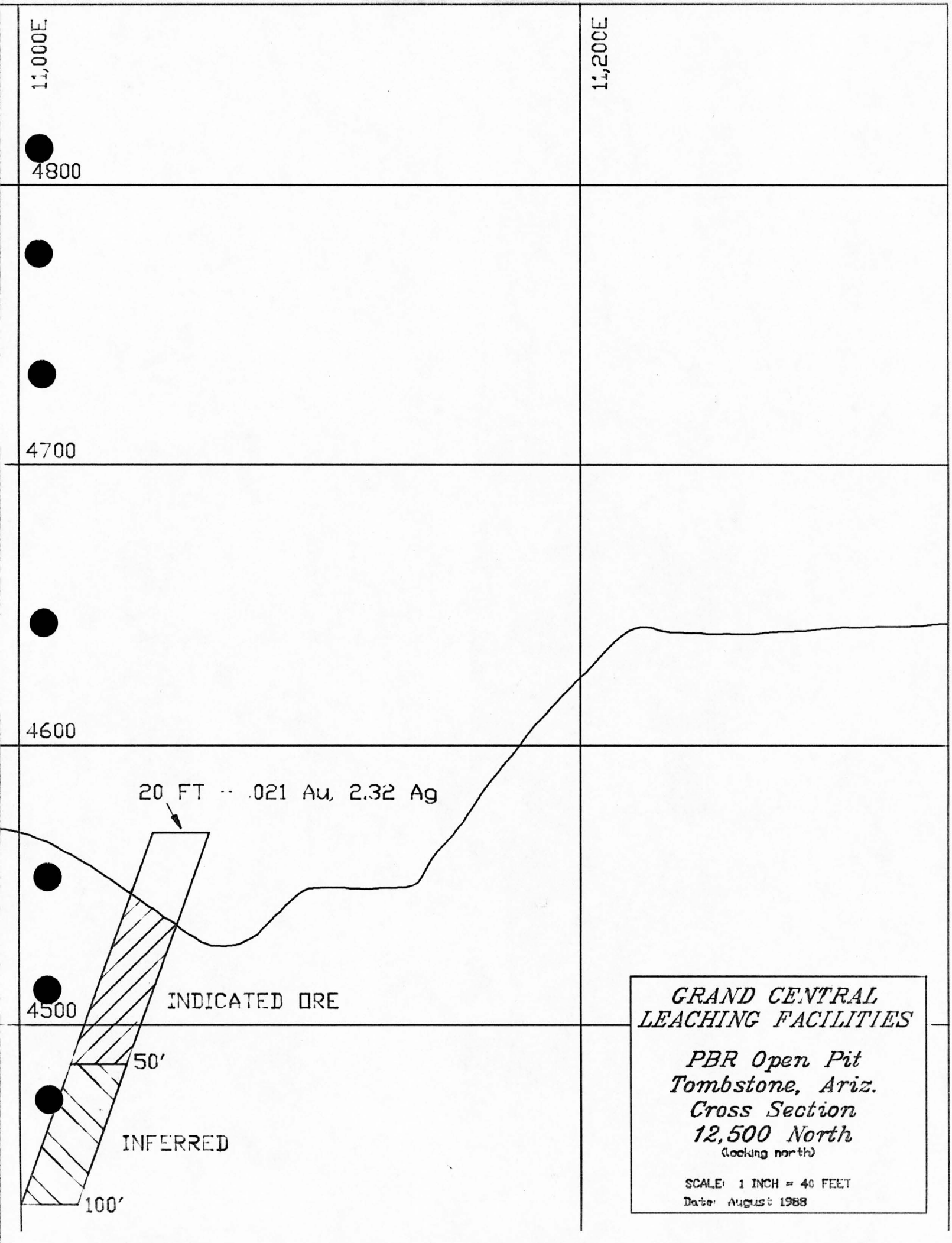
GRAND CENTRAL LEACHING FACILITIES

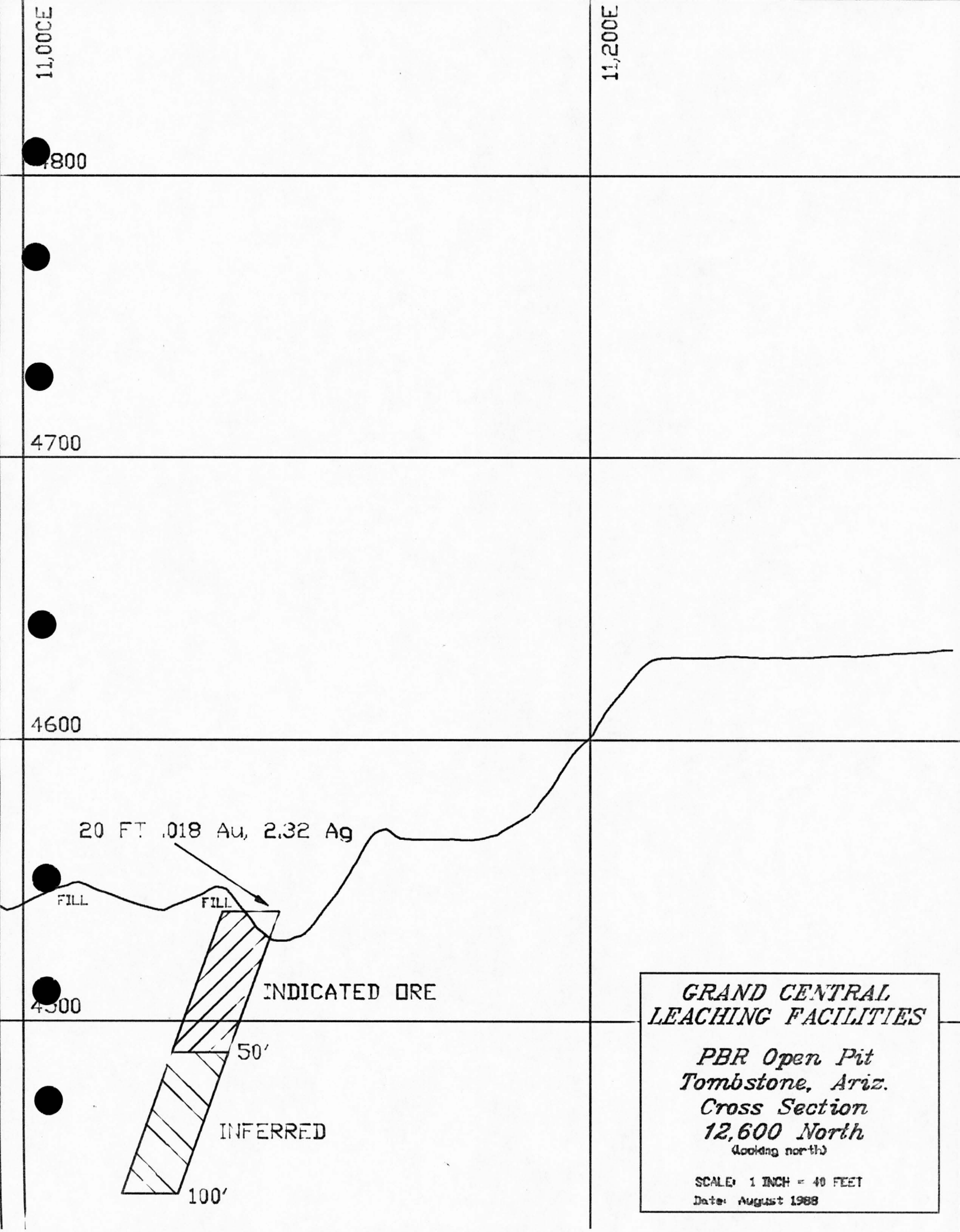
PBR Open Pit
Tombstone, Ariz.
Cross Section
12,200 North
(looking north)

SCALE: 1 INCH = 40 FEET
Date: August 1988


11,000E
11,200E
4800
4700
4600
40 FT - .018 Au, 3.27 Ag
4500
INDICATED ORE
50'
INDICATED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
12,300 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988


11,000E
11,200E
4800
4700
4600
4500
33 FT - .025 Au, 2.20 Ag
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
12,400 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988


11,000E
11,200E
4800
4700
4600
4500
20 FT -- .021 Au, 2.32 Ag
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
12,500 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988


11,00CE
11,200E
4800
4700
4600
4500
20 FT .018 Au, 2.32 Ag
FILL
FILL
INDICATED ORE
50'
INFERRED
100'
GRAND CENTRAL
LEACHING FACILITIES
PBR Open Pit
Tombstone, Ariz.
Cross Section
12,600 North
(looking north)
SCALE: 1 INCH = 40 FEET
Date: August 1988

PROOF SOLDIERS
ASPHALT

Date Tues, 8/11/87

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg						.005.07		.007.12
Tower A						.003.05		
B						.001.04		
C						.001.02		
D						T.02		
E						T.01		
F						TT		
Yield								

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg	.007.12	.007.12	.007.12	.008.12	.007.12	.006.09	.005.08	.005.07
Tower A	.002.11			.006.10	.004.10	.005.08	.005.06	.003.06
B	T.09			.003.06	.002.07	.004.06	.004.05	.001.04
C	T .07			.002.04	.001.04	.003.03	.003.03	T.02
D	T .05			.001.03	T.03	.002.02	.002.02	T.01
E	T .05			T.02	T.01	T.01	.001.01	TT
F	T .04			T.01	TT	TT	TT	TT
Yield								

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg	.004.07	.004.06	.003.06	.003.07	.003.07	.004.08	.003.08	
Tower A	.002.06	.002.05	.003.05	.003.06	.003.06	.003.07	.003.07	
B	.001.04	.001.04	.002.04	.001.04	.002.05	.002.05	.002.05	→
C	.001.03	.001.02	.001.02	T.03	.001.03	.001.03	.002.03	
D	T.02	T.02	T.02	T.02	T.02	T.02	.001.03	
E	T.01	T.01	T.01	T.01	T.01	T.01	.001.01	
F	TT	TT	TT	TT	TT	TT	TT	
Yield								

Date Weds. 8/12

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg		.007.10		.005.07				.006.07
Tower A		.004.09		.004.07				.003.06
B		.003.08		.003.06				.002.04
C		.003.06		.003.05				.001.03
D		.002 04		.002.05				T.02
E		.001.04		.002.04				T.01
F		.001.02		.001.02				TT
Yield		.006.09						

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg	.003.09	.005.07	.005.08	.005.08	.004.08	.004.08	.005.08	.006.09
Tower A	.003.08	.003.07	.004.07	.003.06	down for repairs	.003.06	.004.07	.004.07
B	.002.06	.001.05	.002.05	.002.05	.002.05	.002.05	.002.05	.002.06
C	.001.04	T.03	.001.03	.001.04	.001.03	.001.04	.001.04	.001.04
D	T.03	T.03	.001.03	T.03	.001.02	.001.03	T.02	T.03
E	T.02	T.01	T.02	T.02	.001.01	T.01	T.01	T.02
F	T.01	TT	TT	TT	TT	TT	TT	TT
Yield								.008.13

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg		.004.08		.005.09		.005.09	.007.10	
Tower A		.004.07		.004.08		.004.08	.004.09	
B		.003.06		.003.06		.003.06	.003.07	
C		.001.04		.002.05		.002.05	.003.06	
D		T.03		.001.04		.002.05	.002.05	
E		T.02		T.02		.001.03	.002.03	
F		T.01		T.01		T.01	.001.01	
Yield	.009.13	.005.10	.005.09	.007.11	.006.10	.007.11	.007.11	.006.09

Date Thurs, 8/13

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg				.005.07		.006.08		
Tower A				.005.06		.005.07		
B				.004.05		.004.05		
C				.003.04		.003.04		
D				.002.04		.003.04		
E				.001.02		.002.03		
F				T.02		.001.02		
Yield				.006.09		.008.10		

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg		.003.03	.004.04	.005.05	.006.07	.006.07	.006.08	.005.08
Tower A		.003.03	.003.04	.002.04	.004.05	.004.05	.003.06	.005.06
B		.002.03	.002.03	.001.03	.003.04	.003.04	.002.05	.004.05
C		.002.03	.001.03	T.02	.002.03	.003.03	.001.04	.003.04
D		.001.03	.0005.03	T.01	.001.01	.002.02	.0005.03	.001.03
E		T.02	T.02	T.01	.0005T	.001.01	T.02	.001.02
F		T.01	T.01	TT	TT	TT	T.01	T.01
Yield		.003.03	.005.05	.007.07	.008.09	.007.08	.008.10	.007.10

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg		.005.07		.005.07				
Tower A		.004.06		.005.06				
B		.004.05		.004.05				
C		.003.04		.003.04				
D		.002.04		.002.04				
E		.001.03		.001.03				
F		T.01		T.01				
Yield	.006.10	.008.11		.005.08				

Date Fri 8/14

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg		.007.09		.007.09				
Power A		.006.07		.006.07				
B		.005.05		.005.06				
C		.003.04		.004.05				
D		.002.03		.002.04				
E		.0005.02		.001.02				
F		T.02		.001.01				
Yield	.007.09	.007.09	.010.13	.008.10				

Mud pump

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg		.005.08	.005.08	.006.09	.005.08	.005.08		.005.08
Power A		.004.07	.004.07	.005.07	.004.07	.004.06		.004.06
B		.003.06	.003.06	.004.06	.003.06	.003.05		.003.05
C		.002.04	.002.05	.003.05	.002.05	.002.04		.002.04
D		.002.04	.001.04	.002.04	.001.04	.001.03		.001.04
E		.001.03	.001.02	.001.02	.0005.03	.0005.02		.001.03
F		T.01	T.01	T.01	T.02	T.01		T.01
Yield		.004.07	.005.07	.007.11	.006.09	.009.15		—

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg		.005.07		.005.07		.005.08		.006.08
Power A		.005.05		.005.06		.004.06		.005.06
B		.004.04		.004.05		.003.05		.004.05
C		.003.03		.003.04		.002.04		.002.04
D		.002.02		.002.03		.001.03		.002.04
E		.001.02		.01 .02		.0005.02		.001.02
F		T T		T .01		T .02		.001 .01
Yield	.018.29	.013.19	.005.07	.007.10	.005.09	.010.13	.008.13	.007.09

Date 8/15 (Sat)

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg Tower A								
B								
C								
D			mud pump					
E								
F								
Yield								

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg			.006 .08	.005 .06		.005 .07		
Tower A			.003 .06	.004 .06		.005 .07		
B			.002 .05	.004 .06		.004 .06		
C			.001 .04	.003 .06		.003 .06		
D			T .04	.003 .06		.002 .06		
E			T .03	.002 .05		.001 .05		
F			T .02	.001 .04		T .04		
Yield			.004 .05	.007 .06	.005 .06	.006 .08		

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg				.005 .07				
Tower A				T .05				
B				.004 .07				
C				.004 .07				
D	mud pond full			.004 .07				
E				.003 .06				
F				.002 .05				
Yield				.009 .13	.005 .07			

Date Mon 8/17

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg				.004 .081				
Power A				T .068				
B				T .060				
C				.002 .077				
D				.002 .077				
E				.002 .075				
F				.001 .070				
Yield	.004 .06	.003 .08	.003 .08	.004 .07	.004 .08			

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg				.004 .042		.004 .045		.003 .046
Power A				.001 .039		T .022		.001 .023
B				trans'f carbon		T .017		T .019
C				.002 .043		.003 .041		.003 .041
D				.002 .045		.002 .038		.002 .041
E				.001 .046		.002 .033		.001 .035
F				.001 .043		.001 .029		.001 .031
Yield					.002 .02	.004 .05	.004 .05	.004 .05

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg		.003 .047		.003 .058		.004 .065		.004 .076
Power A		T .034		.001 .044		T .050		.004 .052
B		T .029		.001 .040		T .047		T .047
C		.003 .046		.003 .056		.002 .063		.003 .069
D		.003 .046		.002 .056		.001 .062		.002 .068
E		.002 .043		.002 .055		.001 .058		.002 .064
F		.001 .037		.002 .049		.001 .055		.002 .057
Yield	47	.003 .05	.004 .06	.004 .07	.005 .10	.004 .09	.004 .09	.005 .09

Date 8/19 (Wed)

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg		.004 .064		.004 .072		.005 .079		
Tower A		.001 .058		.001 .070		.001 .076		
B		.001 .053		.001 .068		T .074		
C		T .050		.002 .064		T .070		
D		.003 .063		.004 .071		.004 .079		
E		.002 .062		.004 .071		.003 .078		
F		.001 .060		.003 .071		.002 .077		
Yield		.005 .07		.005 .09		.004 .06		

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg								
Tower A								
B								
C								
D								
E								
F								
Yield								

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg	.004 .055	.005 .052		.004 .053		.004 .060		.004 .055
Tower A	.005 .045	.002 .041		T .048		.001 .058		.001 .052
B	T .041	.001 .037		T .047		.001 .055		.001 .050
C	transferring carbon					T .039		T .044
D	.003 .051	.004 .051		.001 .051		.004 .059		T .057
E	.003 .051	.003 .048		.001 .052		.003 .060		.002 .056
F	.002 .047	.002 .048		.001 .049		.002 .056		.002 .054
Yield	.009 .13	.014 .15		.005 .07		.006 .09		.008 .10

Date 8/20 89(?)

	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00
Preg Tower A								
B								
C								
D								
E								
F								
Yield	Bldg up heads on prog solution No yields because no water readings							

	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00
Preg Tower A								
B								
C								
D								
E								
F								
Yield								

	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
Preg				5 058	5 060	6 063	5 070	
Tower A				2 069	1 057	2 062	2 067	
B				2 069	T 056	2 066	1 066	
C				1 067	T 059	1 066	T 065	
D								
E								
F								
Yield				.017 .21	.008 .09	.010 .10	.010 .13	

22:30
Preg 6 067
A 4 064
B 3 063
C 1 063

Corres/misc.

COCHISE SILVER MINES, INC.
P. O. Box 158
Tombstone, Arizona 85638

MEMO

TO: Mr. Dustin Escapule
FROM: Gary Lindroos

Subject: Testing of Nalco Product 7852

Date: 2 March 1987

On Friday February 27, 1987 Mr. Dan Andrews of Nalco Chemical Company conducted a test using Nalco Product 7852 Cationic Polymer (Coagulant) in our Drum Filter in an effort to aid building a filter cake.

Mr. Andrews requested that we build up the pulp density to 50 or 55 percent solids. At approximately 40% solids we started pumping slimes out with the sands discharge. Mr. Andrews then proceeded to feed 100 ml of the product 7852 in line to the intake line of the Drum Filter. The 100 ml per minute feed proved to be inadequate to coagulate the slimes and the testing was discontinued.

On Saturday February 28, 1987 Mr. Andrews returned to conduct laboratory testing of his products. It was determined that 5 pounds of Product 7852 per ton of slurry feed would produce the required 55 per cent pulp density to treat our system. This would result in a cost of $4.25 per ton of slurry which is cost prohibitive at our current precious metals values.

Respectfully submitted:

Gary A. Lindroos

MEMO

te: 18 April 1987

To: Dustin Escapuk

fr: Gary Lindroos

: Fire Assay & AA Comparisons of Solutions

Following are results of Fire Assay and AA Readings of Most Recent Preg and Barren Solutions:

Sample I.D.	Date	Fire Assay Troy oz/ton Au	Fire Assay Troy oz/ton Ag	AA Reading Au	AA Reading Ag
Preg Solution	4-15-87	.009	.16	.008	.14
Barren Solution	4-15-87	.002	.15	.002	.15
Preg Solution	4-17-87	.007	.10	.008	.11
~~Barren Solution~~	~~4-17-87~~				

MEMO

Date: 18 April 1987

To: Dustin Escapule

FR: Gary Lindroos

Re: Fire Assays

Fire Assay Results of Carbon Heads & Tailings are as follow:

Sample I.D.	OZ/TON Au	Ag
Carbon Head Batch 1 (321 carbon)	36.34	12.77
Carbon Head (washed) Batch 1	36.05	13.30
Carbon Head Batch 2/3	22.40	43.16
Carbon Tail Batch 2/3	1.22	2.56
Carbon Head Batch 4 (351 carbon)	21.93	23.52

Memo

Date: 20 April 1987

To: Dustin Escapule

Fr: Gary Lindroos

Re: Barrel Testing of Heap Leach Tailings

Following are Results of 72 Hour Barrel Tests:

Reagents Used	Troz oz Leached/Ton ore	
	Au	Ag
1. 2 lbs Sodium Hyposolfite, 2 lbs Hypochlorite	.005	.11
8 lbs " " , 4 lbs "	.007	.10
8 lbs " " , 8 lbs "	.008	.105
0 lbs " " 2 lbs "	.002	.02
Water only	.005	.12

All samples were run using 50 lbs. ore and 25 lbs. Water.

Head and Tailings assays were not completed due to lack of pulverizer. to prepare sample pulps.

Memo

Date: 20 April 1987

To: Dustin Escapule

Fr: Gary Lindroos

Re: Barrel Testing of Grand Central ore

Following are results of 50 pound ore sample Barrel Tests using 25 pounds water:

Sample I.D.	Reagents Used	Troy oz Leached Au	Troy oz Leached Ag	% Recovery Au	% Recovery Ag
GC-1	1 lbs/ton Sodium Hyposulfite	Nil	.42	0	12.1
GC-2	1 lbs/ton " " , 1 lbs Hypochlorite	.002	.44	5.7	12.6
GC-3	2 lbs/ton " " 2 lbs "	.005	.47	14.2	13.5
GC-4	24 Hour pretreatment with 1.0% H_2SO_4 8 lbs/ton Sodium Hyposulfite, 4 lbs/ton Hypochlorite	.004	.41	11.4	11.8

Above samples were leached 96 Hours and discontinued after showing no increase in precious metals values

COCHISE SILVER MINES, INC.

MEMO

TO: DUSTIN ESCAPULE
FROM: GARY LINDROOS
DATE: APRIL 20, 1987

Following are the results of fire assay and AA readings of the most recent Preg and Barren solutions:

		(Fire assay Troy oz/ton)		(AA reading)	
SAMPLE I.D.D	DATE	Au	Ag	Au	Ag
Preg solution	4/15/87	.009	.16	.008	.14
Barren solution	4/15/87	.002	.15	.002	.15
Preg solution	4/17/87	.007	.10	.008	.11

Memo
Date 20 April 1987
To: Dustin Escapite
fr Gary Lindroos
Re: Fire Assay of ~~Sto~~ Slurry Tailings

	Au	Ag
	Troy oz/Ton	
~~Stone~~ Slurry Tailings (9.00-97)	0.030	0.61

COCHISE SILVER MINES, INC.

MEMO

TO: DUSTIN,ESCAPULE
FROM: GARY LINDROOS
REF: Hg ANALYSIS OF GRAND CENTRAL RAW ORE
DATE: JUNE 26, 1987

A Grand Central Raw ore sample was screened to -100 mesh, treated with sulfuric acid and 30% Hydrogen Peroxideto decompose sample.

Mercury analysis was then performed using the Hach DR/1 colorimeter and standard procedures.

Milligrams per kilogram Mercury----------0.021

GARY LINDROOS

Gary

~~9-1-87~~ 8-31-87

95 ml H_2O
5 ml Guar & Thio from mix tank

Guar & Thio has turned Black. when 5 ml added to 100 ml DI H_2O the solution turns dark gray throughout. There doesn't appear to be anything floating on surface.

Added 10 grams New Marcos Carbon. on Magnetic Stirrer will run Activity Test in morning.

Activity - Absorption Test

10.7
10.3

$\frac{0.4 \times 980}{10.7}$ = 36.6 Poor from 341 Excellent

Bottle Roll Head feed

	Au	Ag
100 gram ore w/Hypo	.008	.26
100 grams Ore w/Hypo	.008	.26
100 grams Ore w/Hypo - fouled Guar	.008	.26
100 grams Ore w/Hyp - fouled Guar	.008	.32
100 gram Ore w/Hypo - fouled Guar Sol	.008	.18
100 gram ore w/Hypo - fouled Guar Sol	.008	.20

COCHISE SILVER MINES, INC.

Laboratory Analysis

Date: 9-15-87

Sample Identification	Au	Ag							
Carbon from CIP Tk 1	3.438	20.63							
Preg Sol 1130	.003	.057							
Slurry Sol 1130	.004	.072							
CIP Barren 1130	Tr	.032							
Preg Sol 1530	.004	.064							
Slurry Sol 1530	.004	.076							
CIP Barren 1530	Tr	.029							
Composite Head "A" shift	.004	.18							

REMARKS:

Tailings To Disposal Area

Sample I.D.	W.A.D. Mg/Kilo Total CN	Au Oz/Ton	Ag Oz/Ton	Tons Removed
02/23/89 Pad 4 Comp.	0.21	0.000	0.36	
02/24/89 Pad 3 Comp.	0.30	0.000	0.19	
02/24/89 Pad 2 Comp.	0.22	0.000	0.44	
02/25/89 Pad 1 Comp.	0.24	0.002	0.83	
02/28/89 Pad 4 Comp.	0.18	0.000	0.25	
03/01/89 Pad 3 Comp.	<0.01	0.001	0.56	
03/02/89 Pad 2 Comp.	0.36	0.000	0.08	
03/03/89 Pad 1 Comp.	0.025	0.000	0.27	
03/04/89 Pad 4 Comp.	0.18	0.003	0.74	
03/05/89 Pad 3 Comp.	0.32	0.000	0.32	
03/06/89 Pad 2 Comp.	0.18	0.000	0.16	
03/08/89 Pad 4 Comp.	0.26	0.000	0.22	
03/09/89 Pad 1 Comp.	0.04	0.000	0.43	
03/10/89 Pad 3 Comp.	<0.01	0.000	0.18	
03/11/89 Pad 2 Comp.	0.12	0.000	0.14	
03/14/89 Pad 1 Comp.	0.30	0.000	0.29	
03/15/89 Pad 3 Comp.	0.26	0.002	0.63	
03/15/89 Pad 2 Comp.	0.18	0.001	0.55	
03/16/89 Pad 1 Comp.	0.06	0.000	0.27	
03/17/89 Pad 3 Comp.	<0.01	0.000	0.20	
03/18/89 Pad 4 Comp.	0.18	0.000	0.31	
03/20/89 Pad 1 Comp.	0.26	0.000	0.16	
03/22/89 Pad 3 Comp.	<0.01	0.000	0.46	
03/23/89 Pad 2 Comp.	<0.01	0.000	0.21	
03/24/89 Pad 4 Comp.	0.12	0.000	0.21	
03/25/89 Pad 1 Comp.	0.26	0.000	0.10	
03/26/89 Pad 3 Comp.	0.12	0.000	0.19	
03/27/89 Pad 2 Comp.	<0.01	0.000	0.28	
03/28/89 Pad 4 Comp.	0.06	0.001	0.37	
03/29/89 Pad 1 Comp.	0.22	0.000	0.15	
03/30/89 Pad 3 Comp.	<0.01	0.000	0.28	
03/31/89 Pad 2 Comp.	0.12	0.000	0.33	
04/01/89 Pad 4 Comp.	<0.01	0.000	0.17	
04/01/89 Pad 2 Comp.	0.06	0.002	0.53	
04/02/89 Pad 1 Comp.	<0.01	0.000	0.40	
04/03/89 Pad 4 Comp.	0.18	0.000	0.25	
04/04/89 Pad 3 Comp.	<0.01	0.000	0.22	
04/05/89 Pad 4 Comp.	0.12	0.000	0.31	
04/06/89 Pad 1 Comp.	<0.01	0.002	0.46	
04/07/89 Pad 2 Comp.	0.06	0.000	0.20	
04/08/89 Pad 4 Comp.	0.24	0.000	0.31	
04/08/89 Pad 3 Comp.	0.06	0.000	0.18	
04/09/89 Pad 2 Comp.	0.18	0.001	0.26	
04/10/89 Pad 1 Comp.	0.36	0.000	0.39	
04/11/89 Pad 2 Comp.	0.24	0.000	0.09	
04/12/89 Pad 4 Comp.	<0.01	0.000	0.27	
04/13/89 Pad 1 Comp.	0.12	0.000	0.21	
04/14/89 Pad 3 Comp.	<0.01	0.000	0.24	
04/15/89 Pad 2 Comp.	<0.01	0.004	0.74	
04/16/89 Pad 4 Comp.	0.18	0.001	0.63	
04/17/89 Pad 1 Comp.	0.26	0.000	0.21	
04/18/89 Pad 3 Comp.	0.06	0.000	0.20	
04/19/89 Pad 2 Comp.	<0.01	0.000	0.34	
04/20/89 Pad 4 Comp.	0.26	0.000	0.18	

COCHISE SILVER MINES, INC.

Laboratory Analysis

Carbon Activity Testing

Date: 18 Sep 87

Sample Identification	Hr^{-1}	Rating							
Reactivator 1100 Hrs	242	Excellent							
1900 Hrs	274	Excellent							
0300 Hrs	327	Excellent							

REMARKS:

COCHISE SILVER MINES, INC.

Laboratory Analysis

Date: 9-16-87

Sample Identification	Au	Ag							
CIP Solution 0400 Tank 1	.005	.049							
" " 0400 Tank 2	.001	.048							
" " 0400 Tank 3	Tr	.039							
CIP Barren 2300 9-15	Tr	.049							
CIP Barren 0300 9-16	Tr	.035							
CIP Barren 0630 9-16	Tr	.023							

REMARKS:

COCHISE SILVER MINES, INC.

Laboratory Analysis

Date: 17 Sep 87

Sample Identification	Au	Ag							
Composite feed "B"	.004	.17							
1900 CIP Tank 1	Tn	.037							
✓ ✓ Tank 2	Tn	.037							
✓ ✓ Tank 3	Tn	.030							
1900 CIP Barren	Tn	.028							
2300 CIP Tank 1	Tn	.030							
✓ ✓ Tank 2	Tn	.030							
✓ ✓ Tank 3	Tn	.030							
2300 CIP Barren	Tn	.033							
0300 CIP Tank 1	Tn	.035							
✓ ✓ Tank 2	Tn	.038							
✓ ✓ Tank 3	Tn	.037							
0300 CIP Barren	Tn	.037							

REMARKS:

Southwestern Exploration Associates

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2. County bibliography list with explanations
3. Target listing
4. Listing of all deposits with current exploration status
5. Map indexes to various commodities and a generalized land status map
6. County report by State Bureau of Mines
7. Information on industrial mineral occurrences within the county
8. General articles filed alphabetically, preceded by bibliography list
9. Metal price list

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1. Index map of available theses
2. Theses arranged alphabetically by author

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1. Reduced A.M.S. sheets
2. Reduced 7½ and 15 minute quad sheets with list of mines located on each quad sheet

Volume 4: U.S.G.S. Geologic, Geophysical, Geochemical and Open File Maps

1. Index to maps in Volume 4
2. Geologic maps
3. Geophysical maps
4. Geochemical maps
5. Photo index maps

Volume 5: Mining District Notebooks

1. Mining district summary sheet
2. Mint records, mineral resources material, Weed's Copper Handbook (colored sheets separate these sections)
3. Mining district articles listed alphabetically
4. Bibliography
5. Mine summary sheets with geologic data
6. Land status

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