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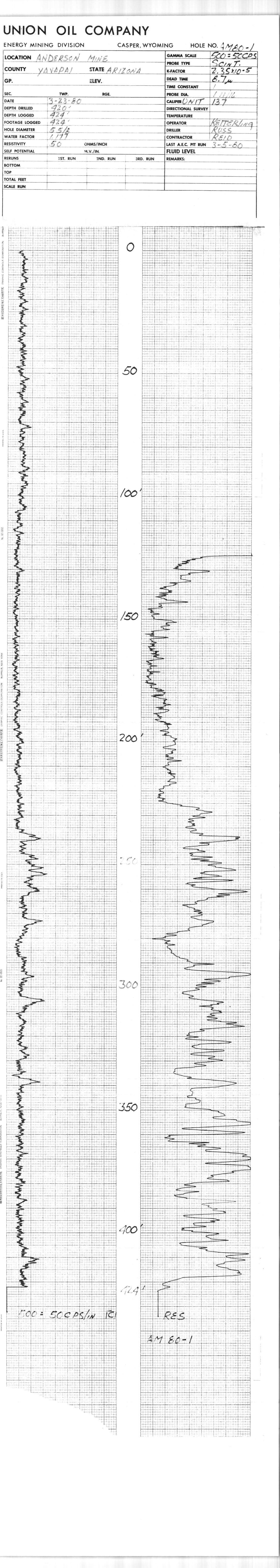
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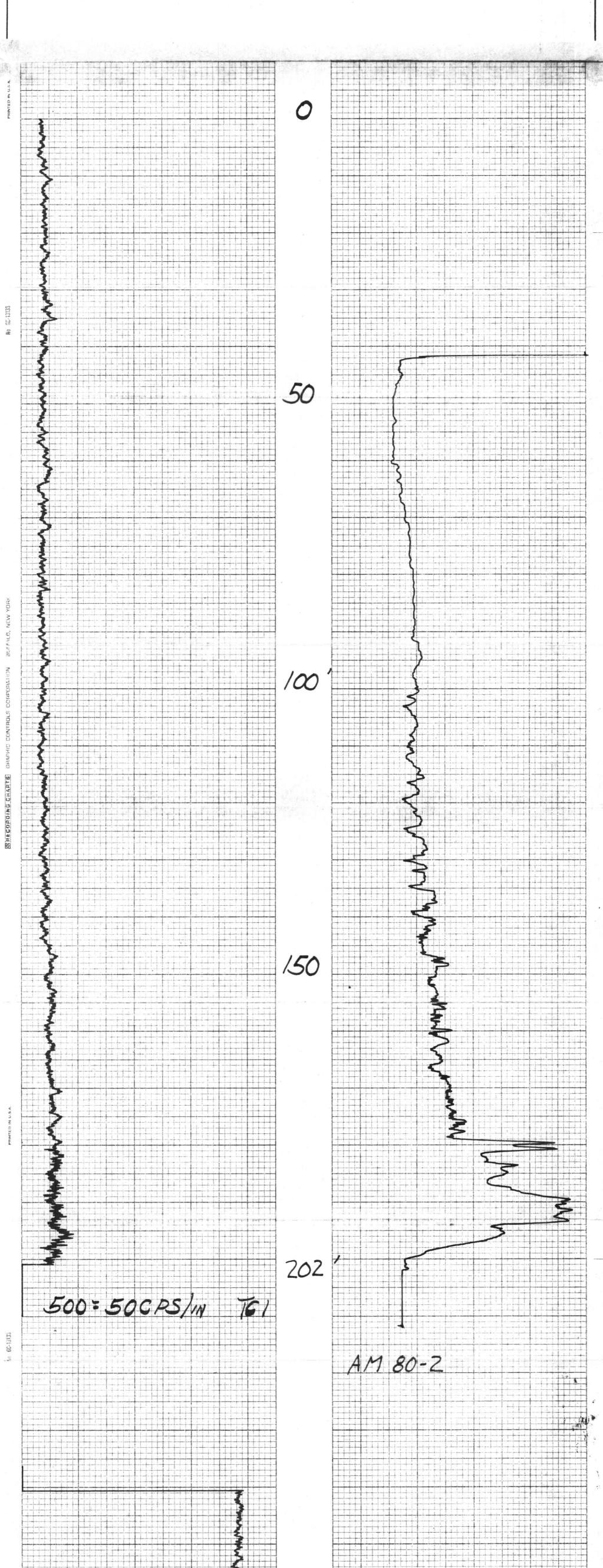
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UNION OIL COMPANY

CASPER, WYOMING HOLE NO. AM80-2 ENERGY MINING DIVISION 500=50 CPS SCINT. 2.35 ×10.5 GAMMA SCALE ANDERSON MINE LOCATION PROBE TYPE YAVAPAI STATE ARIZONA COUNTY K-FACTOR DEAD TIME GP. ELEV. TIME CONSTANT SEC. RGE. PROBE DIA. 3-24-80 CALIPER UNIT DATE DEPTH DRILLED **DIRECTIONAL SURVEY** 202. DEPTH LOGGED **TEMPERATURE** FOOTAGE LOGGED **OPERATOR** HOLE DIAMETER DRILLER WATER FACTOR CONTRACTOR LAST A.E.C. PIT RUN RESISTIVITY OHMS/INCH **FLUID LEVEL** SELF POTENTIAL M.V./IN. RERUNS 1ST. RUN 2ND. RUN 3RD. RUN **REMARKS:** BOTTOM TOP TOTAL FEET SCALE RUN



UNION OIL COMPANY HOLE NO. AM 80-3 CASPER, WYOMING ENERGY MINING DIVISION GAMMA SCALE LOCATION ANDERSON MINE PROBE TYPE YAVAPAI STATE ARIZONA COUNTY K-FACTOR DEAD TIME ELEV. GP. TIME CONSTANT PROBE DIA. RGE. SEC. CALIPER UNIT 3-24-80 DATE **DIRECTIONAL SURVEY** DEPTH DRILLED **TEMPERATURE** DEPTH LOGGED **OPERATOR** FOOTAGE LOGGED DRILLER HOLE DIAMETER CONTRACTOR WATER FACTOR LAST A.E.C. PIT RUN OHMS/INCH RESISTIVITY **FLUID LEVEL** M.V./IN. SELF POTENTIAL **REMARKS:** 3RD. RUN 2ND. RUN 1ST. RUN **RERUNS** BOTTOM TOP TOTAL FEET SCALE RUN AM 80-3 1500 = 50 CRS/W KZ

SCC. 750 SYSTEM CONTROL COMPUTER Manufactu SCC. 750 SYSTEM CONTROL COMPUTER Manufactured by TSA. SYSTEMS INC.

Data Recorded by

UNION ENERGY CASPER, WYOMING

HOLE NO. AM 80-4

Dead Time 8.70 K-Factor 2.35

Corr. Factor 1.177 Cutoff 0.020 %U308

	0.0	Ft	ORCt	D ODTC	0.000%U308
1	354.5	Ét	48RCt	# 48DTC	0.003%U308
1	354.0	Fit	46RCt	46DTC	0.003%U308
	353.5	Ft	56RCt	56DTC	0.003%U308
Parties I	353.0	Ft	43RCt	43DTC	0.003%U308
Such La	352.5	Ft	60RCt	- 60DTC	0.003%U308
	352.0	Ft	57RCt	57DTC	0.003%U308
	351.5	Ft	149RCt	149DTC	0.009%U308
To all	351.0	Ft	403RCt	404DTC	0.023%U308
en:	" "350:5	Tt ***	746R01	750070	6.64270308
	350.0	Ft	711RCt	715DTC	0.040%U308
1	349.5	Ft	442RCt	443DTC	0.026%U308
to to:	349.0	Ft	343RCt	344DTC	0.019%U308
	348.5	Ft	380RCt	381DTC	0.021%U308
10(0)10	348.0	Ft	394RCt	395DTC	0.023%U308
	347.5	Ft	221RCt	221DTC	0.013%U308
-	347.0	Ft	133RCt	133DTC	0.009%U308
Sec. 1	346.5	Ft	133RCt	133DTC	0.009%U308

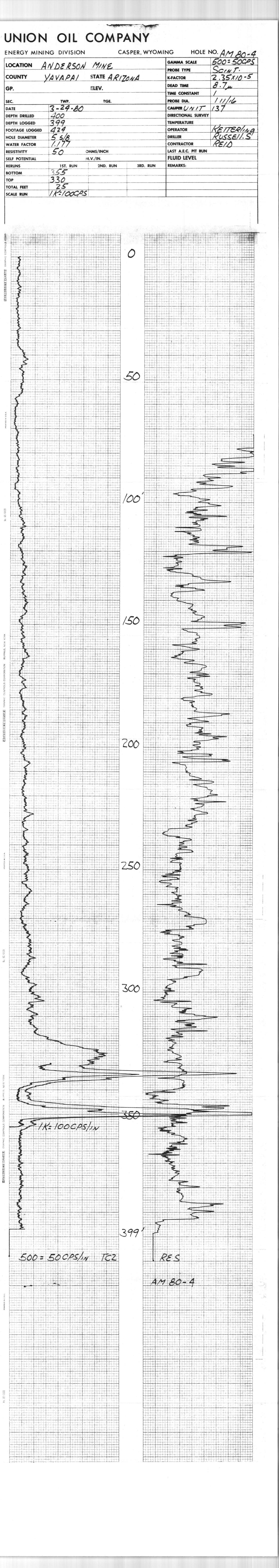
A AVERAGE GRADE

0351.0 Ft1 0348.0 Ft2 0.028 AV GRADE

	0.0	Ft	ORCt	ODTC.	0.000%U308
	341.5	Et	47RCt	47DTC	0.003%U308
M.	341.0	Ft	39RCt	39DTC	0.003%U308
	340,5	Ft. *	48RCt	48DTC	0.003%U308
	340.0	Ft	32RCt	82DTC	0.003%U308
	339.5	F±	44RCt	44DTC	0.003%U308
	339.0	Ft	67RCt	67DTC	0.006%U308
	338.5	Ft	67RCt	67DTC	0.006%U308
	338.0	Ft	91RCt	91DTC	0.006%U308
	337.5	Ft	92RCt	92DTC	0.006%U308
TYPE	337.0	Ft	108RCt	108DTC	0.007%U308
	336.5	Ft	172RCt	172DTC	0.010%U308
dae AL.	336.0	Ft	226RCt	226DTC	0.014%U308
120	335.5	Ft	214RCt	214DTC	0.013%U308
	335.0	Ft	237RCt	237DTC	0.014%U308
	334.5	Et	325RCt //	325DTC	0.019%U308
	33470	Ft	502RCt	504DTC	0.029%U308
	333,5	Ft.	463RCt	464DTC	0.026%U308
	333.0	Ft'	310RCt	310DTC	0.017%U308
	932.5	Ft	222RCt	222DTC	0.013%U308
	13. 19. 1.				

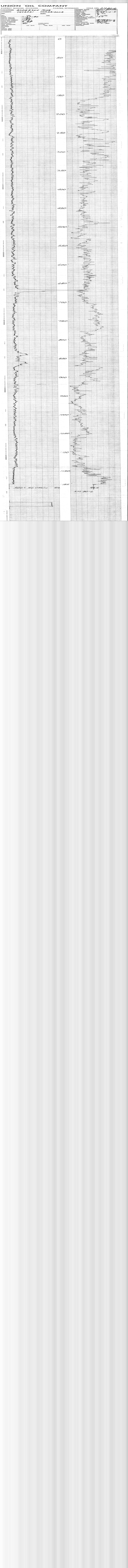
AVERAGE GRADE

0334.5 Ft1 0333.5 Ft2 0.025 AV GRADE



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SCC 750
      SYSTEM CONTROL
    COMPUTER
          Manufactured by
     TSA
             200 M20
      SYSTEM CONTROL
      COMPUTER
           Manufactured by
   TSA SYSTEMS INC.
    BOULDER, CO.
           Data Recorded by
   UNION ENERGY
       CASPER, WYOMING
          NO. AM 80-5
  Dead Time 8.70 K-Factor 2.35
  Corr. Factor 1,177 Cutoff 0.020 %U308
              0.0 Ft
             79RCt
                    79DTC 0.006%U308
 580.5 Ft
                     ₹83DTC 0.006%U308
 580.0 Ft
             83RCt/
                     99DTC 0.007%U308
 579.5 Ft
             99RCt
                    184DTC 0.010%U308
 579.0 Ft 184RCt
 578,5 Ft
          263RCt/
                    263DTC 0.016%U308
            268RCt 268DTC 0.016%U308
  578.0 Ft
                   325DTC 0.019%U308
 577.5 Ft
          325RCE
 577.0 Ft 351RCt 352DTC 0.019%U308
  576.5 Ft
            459RCt 460DTC 0.026%U308
  576.0 Ft 617RCt 620DTC 0.035%U308
 575.5 Ft. 590RCt 593DTC 0.033%U308
                     531DTC 0.030%U308.
 575.0 Ft
            529RCt
                     330DTC 0.019%U308
574.5 Ft
             330RCt
554.6-Et 2048Ct 2048Ct 0.0162U308.
 573.5 Ft
             238RCt
                     238DTC 0.014%U308
       AVERAGE GRADE
0577.5 Ft1 0574.5 Ft2 0.026 AV GRADE
                    0DTC 0.000%U308
    0.0 Ft
              @RCt
                     228DTC 0.014%U308
   572.5 Ft
             228RCt
                     274DTC 0.016%U308
 572.0 Ft
             274RCt
             288RCt 288DTC 0.017%U308
  571.5 Ft
             284RCt
  D/1.U Ft
                     284D10 0.01620308
                     252DTC 0.014%U308
 570.5 Ft
             252RCt
             298RCt
                     298DTC 0.017%U308
570.0 Ft
                     208DTC 0.013%U308
 569.5 Ft
             208RCt
             ØRCt
                       ODTC 0.000%U308
 0.0 Ft
                     149DTC 0.009%U308
565.0 Ft 149RCt
                     171DTC 0.010%U308
  564.5 Ft 171RCt
.4.564.0°Ft
                     218DTC 0.013%U308
             218RCt
                     265DTC 0.016%U308
 563.5 Ft
             265RCt
563.0 Ft
                     251DTC 0.014%U308
             251RCt
             275RCt
                     275DTC 0.016%U308
  562.5 Ft
562.0 Ft
                     271DTC 0.016%U308
             271RCt
                     276DTC 0.016%U308
561.5 Et
            276RCt
             332RCt 332DTC 0.019%U308
561.0 Ft
                     377DTC 0.021%U308
560.5 Ft
           376RCt
560.0°Ft
                     399DTC 0.023%U308
             398RCt
559,5 Ft
                     483DTC 0.029%U308
             481RCt
                     657DTC 0.037%U308
559.0 Ft
             654RCt
                     714DTC 0.0404U308
558.5 Ft
             710RCt
558.0 Ft
                     607DTC 0.033%U308
             604RCt
                     516DTC 0.030%U308
55795 Ft
             514RCt
* 557.0 Ft
            397RCt 7 398DTC 0.023%U308
                     30SDTC 0.023%U308
556.5 Ft
             387RCt
                     404DTC 0.023%U308
  556.00 Ft
           403RCt
                     401DTC 0.023%U308
  555.5 Ft 400RCt
                     394DTC 0.023%U308_
 555.0 Ft
           393RCt
                     357DTC 0.021%U308
554.5 Et
             356RCt
                     324DTC 0.019%U308
 554.0 Ft
             324RCt
                     250DTC 0.014%U308
 553.5 Ft
             250RCt
       AVERAGE GRADE
0561.0 Ft1- 0554.0 Ft2 - 0.026 AV GRADE
    0.0 Ft
               ORCt
                       0DTC 0.000%U308
              83RCt
                      83DTC 0.006%U308
   535.5 Ft
 535.0 Ft
                      98DTC 0.007%U308
              98RCt
 534.5 Ft
                     111DTC 0.007%U308
            - 111RCt
 534.0 Ft
                     123DTC 0,007%U308
            123RCt
533.5 Ft
            133RCt
                     7133DTC 0.009%U308
                     175DTC 0.010%U308
            175RCt
  533.0 Ft
 532.5 Ft
                      219DTC 0.013%U308
             219RCt
                      267DTC 0.016%U308
  532.0 Ft
             267RCt
  531.5 Ft
                    383DTC 0.021%U308
            382RCt
                     495DTC 0.029%U308
  531.0 Ft
             493RCt
 530.5 Ft
             589RCt
                     591DTC 0.033%U308
             724RCt
                   728DTC 0.040%U308
  530.0 Ft
 529.5 Ft
                      740DTC 0.042%U308
             736RCt
             528RCt
                     530DTC 0.030%U308
  529.0 Ft
                     421DT0 0.026%U308
 52875 Ft
             420RCt
                      483DTC 0.029%U308
 528.0 Ft
             481RCt
 527.5 Ft
                      370DTC 0.021%U308
             369RCt
                      235DTC 0.014%U308
 527.0 Ft
             235RCt
 AVERAGE GRADE
 0531.5 Ft1 0527.5 Ft2 0.030 AV GRADE
              ORCt
                     0.0 Ft
                    176DTC 0.010%U308
526.0/Ft/ 176RCt
             231RCt ///
                      231DTC 0.014%U308
   525.5 Ft
 525.0 Ft
                      359DTC 0.021%U308
             358RCt
 524.5 Ft
                      811DTC 0.046%U308
             806RCt
                    561DTC 0.032%U308
 524.0 Ft
             559RCt
             435RCt 436DTC 0.026%U308
  523.5 Ft
 523.0°Ft
                      388DTC 0.023%U308
             387RCt
                    344DTC 0.019%U308
  582.5 Ft
           343RCt
                     250DTC 0.014%U308
             250RCt
 522.0 Ft
AVERAGE GRADE
             0522.5 Ft2 0.028 AV GRADE
 0525.0 Ft1
 0:0 Ft
                     0DTC 0.000%U308
               ØRCt
                      167DTC 0.010%U308
   513.5 Ft
              167RCt
              174RCt
   513.00 Ft
                      174DTC 0.010%U308
                      155DTC 0.009%U308
   512.5 Ft 155RCt
                     131DTC 0.009%U308
 512.0 Ft 131RCt
 511.5 Ft
             175RCt
                      175DTC 0.010%U308
 511.0 Ft 221RCt
                      221DTC 0.013%U308
   510.5 Ft
                      376DTC 0.021%U308
            375RCt
                      902DTC 0.052%U308
              896RCt
  510.0 Ft
 509.5 Ft
                    418DTC 0.026%U308
             417RCt
 509.0 Ft 208RCt 208DTC 0.0132U308
 AVERAGE GRADE
  0510.5 Ft1 0509.5 Ft2 0.033 AV GRADE
0.0 Ft ORCt
                      MODTC 0,000%U308
                     134DTC 0.009%U308
 477.0 Ft 134RCt
            151RCt 151DTC 0.009%U308
 476,5 Ft
 476.0 Ft 166RCt
                     166DTC 0,010%U308
 475.5 Ft 317RCt 317DTC 0.017%U308
                      265DTC 0.016%U308
 475.0 Ft
            265RCt
 474.5 Ft
              203RCt 203DTC 0.013%U308
 474.0 Ft 219RCt
                      219DTC 0.013%U308
 473.5 Ft
                      398DTC 0.023%U308
              397RCt
 473.0 Ft 597RCt
                      600DTC 0.033%U308
 472.5 Ft
                      360DTC 0.021%U308
              359RCt/
 472.0 Ft
                      400DTC 0.023%U308
              399RCt
                      273DTC 0.016%U308
 471.5 Ft 273RCt
AVERAGE GRADE
 0473.5 Ft1
              0472,0 Ft2 0.025 AV GRADE
 0.0 Ft
               ORCt
                        ODTC 0.000%U308
              146RCt
                      146DTC 0.009%U308
   470.5 Ft
              187RCt
                      187DTC 0.010%U308
   470.0 Ft
                    162DTC 0.010%U308
   469.5 Ft 162RCt
 469.0 Ft
                      193DTC 0.013%U308
              193RCt
 468.5 Ft
                      307DTC 0.017%U308
              307RCt
 468.0 Ft
                      566DTC 0.032%U308
              564RCt
  467.5 Ft 274RCt 274DTC 0.016%U308
  AVERAGE GRADE
  0468.0 Ft1 0468.0 Ft2 0.032 AV GRADE
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UNION OIL COMPANY CASPER, WYOMING HOLE NO. 4 M 80-7 ENERGY MINING DIVISION LOCATION ANDERSON MINE **GAMMA SCALE** PROBE TYPE YAVAPAI STATE ARIZ. COUNTY K-FACTOR DEAD TIME GP. ELEV. TIME CONSTANT SEC. RGE. PROBE DIA. DATE CALIPERUNIT DEPTH DRILLED **DIRECTIONAL SURVEY** DEPTH LOGGED **TEMPERATURE** FOOTAGE LOGGED **OPERATOR** HOLE DIAMETER DRILLER WATER FACTOR CONTRACTOR RESISTIVITY OHMS/INCH LAST A.E.C. PIT RUN **FLUID LEVEL** SELF POTENTIAL M.V./IN. RERUNS 1ST. RUN 2ND. RUN 3RD. RUN **REMARKS:** BOTTOM TOP TOTAL FEET SCALE RUN 250 300 523 500 = 50 CPS/N 1CZ RES SON AM 80-7

ENERGY MINING DIVISION CASPER WYOMING HOLE NO 4 MAO - / ENERGY MINING DIVISION CASPER WYOMING HOLE NO 4 MAO - / COUNTY YA 4 A DA I STATE A R I JOHA CHARLES THE COUNTY YA 4 A DA I SELECT THE COUNTY THE COUN	500 = 50¢ eS/M C 1285					MMM	300			J/70	3 3 4			/m/m//	~ /_/\		3		50			·	GEOPHYSICAL LOG	3 22	PROJECT Anderson Mine
8 8 8	\$	H. o. i. rd gy silie. volc. agglom.	they was that toff	rd sy to toff silic some ht.	8	8	300 H-med as who what ash flow toff	80	8			locally about bio	rd ov vita don't			med.gy vtg dacite, abound. bio	# Z	lkgy carb? sltstn -	bragy v. hand sitsta - chippy	brngy Sty and w/ volc rk chips	20 Him rd bra gy vt-mg ank SS	ocion rd bra ark. alluv. gr	DEPTH P C A STRIP LITHOLOGY LOG	EAST 96, 266.4 LOGGED BY ATK	AZ HOLE SIZE 5/6 DAIR DWATER HOLE NO. AM-80-1

UNION OIL COMPANY ENERCY MINING DIVISION CASPER, WYOMING COUNTY VAVA 641 STATE A 6/2 AND COUNTY	PROJECT ANDERSON MINE ELEVATION 2097 NORTH 1,203 SECTION 13 TOWNSHIP 1/2 SECTION 15 TOWNSHIP 1/2 SECTION 16 TOWNSHIP 1/
Hay dacite Way dacite muching unit?) Way dacite fun above	, AZ , 262.6 EA N RA

ENERGY MINING DIVISION CASPER, WYOMING CASPER, WYOMING HOLE NO. A.M. 80-3 LOCATION AND R.S.O.M. MINE COUNTY VAVA PAI ELEV. THE BEST MINING THE BEST MI	263 Pes	8 8 8 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	PROJECT ANDERSON MINE, ELEVATION 2017 NORTH 1203, SECTION 1 GEOPHYSICAL LOG D GEOPHYSICAL LOG D
	boor samples	ty ash sty ash sty will all ash	2

ENERGY MINING DIVISION CASPER, WYOMING IDCARDON ANDERSON IVINE COUNTY VAVAPAI STATE ARIZONA STATE ARIZONA BERV. BERV.	\$ 114: looic/s5/nx 350		\$ \\ \frac{1}{4} \\ \	24		8 V////////////////////////////////////	8 8	SECTION // D TOWNSHIP /	PROJECT ANDERSON MINE 1928 NORTH 1,205
	1 ignike 1 igni	oliv. gn sttsta	9) 9n s//sh	8 8	200 med. bra sHsh	1t bra sltsta 1t bra sltsta 1t bra sltsta 1t bra sltsta 1t bra sltsta	What congl.	DEPTHPICIA STRIP LITHOLOGY LOG DEPTHPICIA STRIP DESTRIP DESTRIP	AZ HOLE SIZE 5/8 DAIR DWATER HOLE NO. AM-80-4 5/506.1 EAST 85/464.9 LOGGED BY DBD DATE 3-24-80

							SOS 465 TOTAL BET 2/1: 20045 2 /1: 20045	A.1 25 € 60 COMPRISE (3.7 5 € 60 COMPRI	COLUMNY YAVA A A A STATE STATE	UNION OIL COMPANY	697		24: 200CUS)	550		GEOPHYSICAL LOG DE	SECTION NORTH 1	PROJECT ANDERSON MINE
8 8	8		8 8	8	8 9	8	8			8		rd s/tsta (basement)		8 C Signife	y sltsta	DEPTHPCA STRIP LITHOLOGY LOG	RANGE 10 W T.D. 650	732.2 EAST 83, 647.6 LOGGED BY DBD DATE 3-25-80

PROJECT GEOPHYSICAL ANDERSON L06 NORTH 1, 203, 240.3 DEPTH P C A IN 300 5-53 E rd by sad sltsta ark LITHOLOGY LOG 1180 congl. minor silic. trags AM-80-6 3-26-80 MOSE

PROJECT GEOPHYSICAL 0 161 11/2 DEPTH P C A 240.3 STRIP 10 9n-61k S wh Sz 20 S XG 45 20 SHY 5/15/2 volc. LITHOLOGY clay 1180' 7 Com making w HOLE Log water + gn s/15/m 3-27-80 AGE

UNION OIL COMPANY PROJECT NERGY MINING DIVISION CASPER.

OCATION ANDERSON MINE
OUNTY YAVAPA! STATEAR/ZONA 500 = 50 C/S/W RZ GEOPHYSICAL 9 ANDERSON LOG TOWNSHIP NORTH 1, 203, 240.3 MINE 112 DEPTHPCA . Ծ 8 EAST 78, BA1.9 STRIP 100 viol dk 29 3 gy dk bm 202 52 ss Bo-m 415 chocolate AIR WATER 29 Z clay 55 Bm 62 rolc Ex. 1180 LITHOLOGY w/ minor volc.rk 3 HOLE NO. volc LOG clay 3 +514 3-27-80 PAGE mdes to intered

M ¹ MMM		\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3300	**************************************	7	250 WANT MAN			\{ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8	1	\$50			GEOPHYSICAL LOG
(1 d & 0. c.	Hoos by rd by congl. + hard sltsty- abund ht	90 S S Gy ba sltsta + some opaline cherty sltsta		Widley stry SS	Se eta ke	w w y sty ss	8	200 h. S. H. Chan + t to	88	to to set sit		bn fg sly snd	on gy of the sty ss + gy maded volc? cong!	25 lys by on of to slyss	whyelgy vt-mg ss	DEPTH P C A STRIP LITHOLOGY LOG