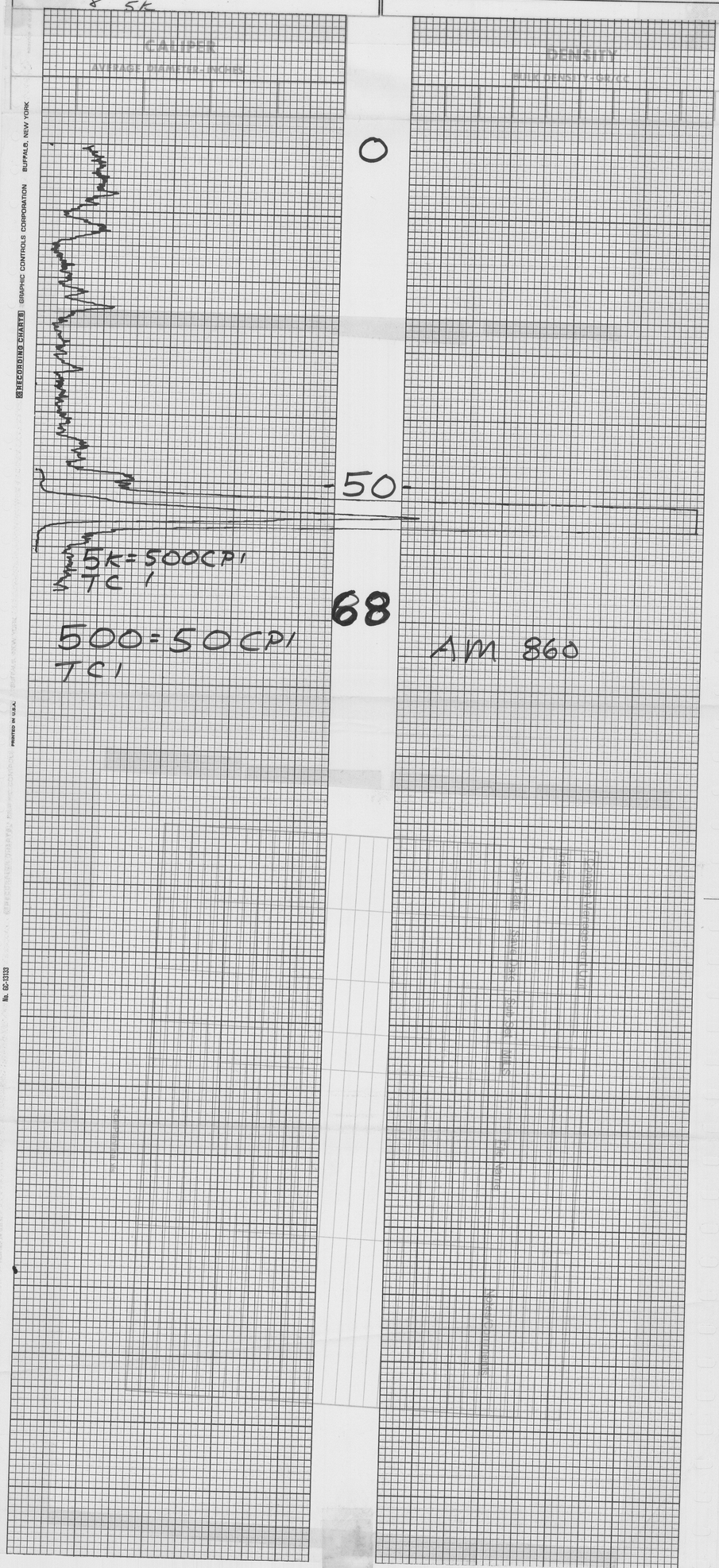
MINERALS EXPLORATION CO.

CASPER, WYOMING

AREA	ANDERSON MINE		
GRID POINT		ELEVATION	HOLE NO. AM 860
COUNTY	YAVAPAI	STATE AZ	GAMMA - GAMMA DENSITY
SEC.	TWP.	RGE.	

BOREHOLE DATA		
DATE	3-19-78	
DRILLER	DENNIS / VENTURE	
DRILLER DEPTH	70	FT.
BIT SIZE	6	IN.
FLUID LEVEL		FT.
CSG.	K= 6.00 E-5, D1= 92us	
REMARKS	RERUN BOT 60 TOP 50 TOT 10 & 5K	

LOG DATA			
TOTAL DEPTH LOGGED	68		FT.
TOTAL FOOTAGE LOGGED	78		FT.
LOG SPEED	15		FT./MIN.
LOG SCALE	500=50	CPS/IN.	T.C. 1
DETECTOR TYPE	SCINT	DETECTOR SIZE	
DECENTRALIZED		CENTRALIZED	
SOURCE TYPE		SOURCE SIZE	
TRK. NO.	61		
OPERATOR	ERICKSON		



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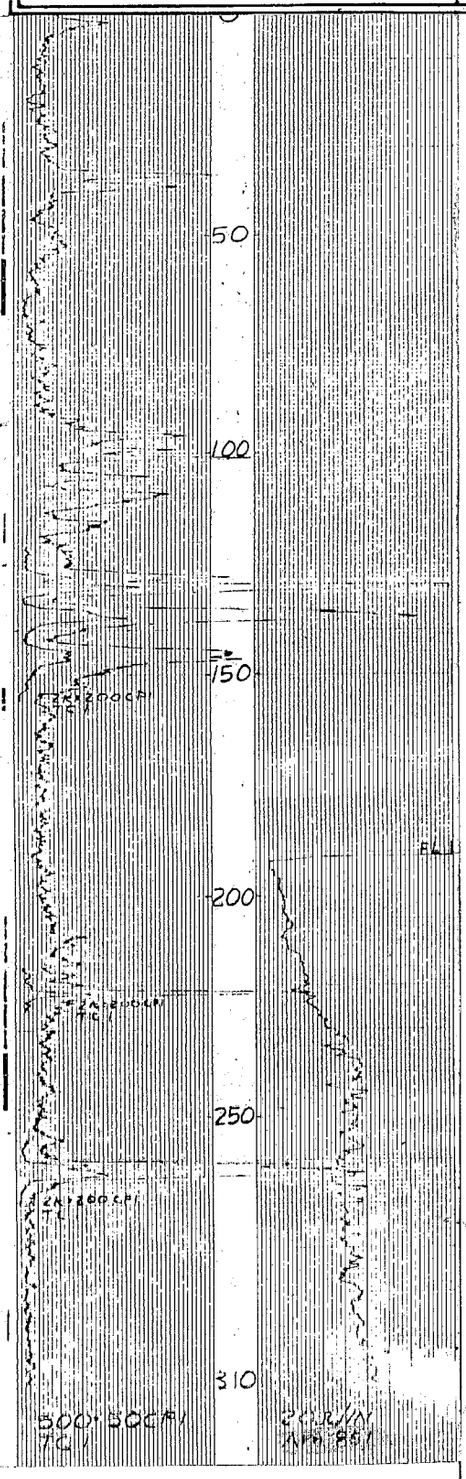
No. GC-13133
CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

PROJECT ANDERSON MINE HOLE SIZE 3 ☒ AIR ☒ WATER HOLE NO. AM 851

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY LUCHT DATE 22 MAR 78

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. _____ P.D. _____

UNIVERSAL - MINERALS #61

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						0-50 OLIVE GRAY SILT
	20					50-65 BROWN SILT
	40					65-70 HARD WHITE SILT
						70-85 BROWN SILT
	60					85-115 BROWN SILACEOUS SILT
	80					115-120 RED CLAY + SILT
						120-150 LIGNITE
	00					150-170 SILT AND LIGNITE - DK GRAY
	20					170-210 BROWN SILT
						210-240 YELLOW BROWN SILT
	40					240-245 SOME LIGNITE IN SILT
	60					245-290 YELLOW BROWN SILT W/ TRACE LIGNITE
						290-305 PINK SILT
	80					305-320 ANDESITE
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO. CASPER, WYOMING

AREA ANDERSON MINE
GRID POINT ELEVATION
COUNTY YAVAPAI STATE AZ.
SEC. TWP. RGE.
HOLE NO. AM 851
GAMMA - GAMMA DENSITY

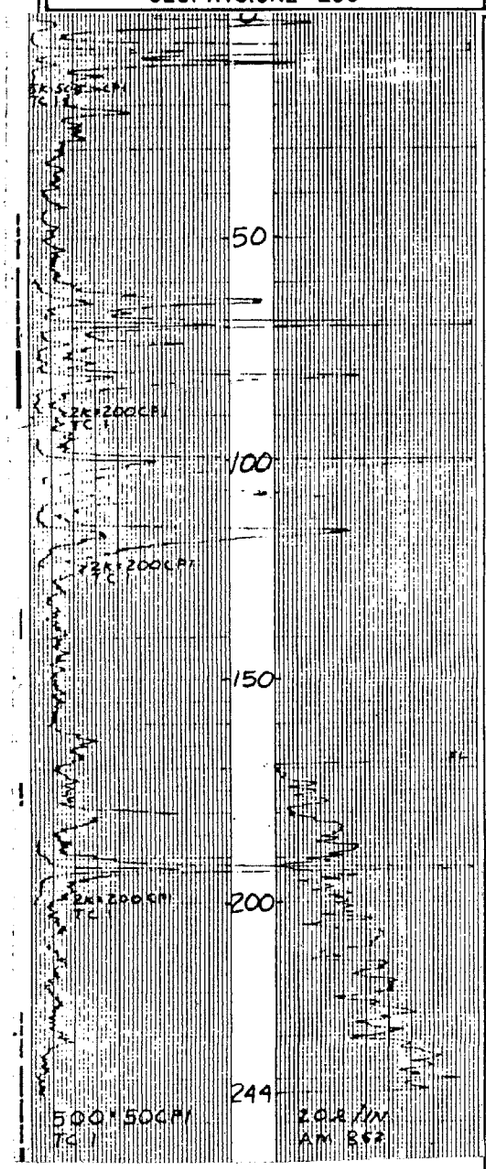
BOREHOLE DATA				LOG DATA		
DATE	3-22-78			TOTAL DEPTH LOGGED	310	FT.
DRILLER	AZ. UNIVERSAL			TOTAL FOOTAGE LOGGED	360	FT.
DRILLER DEPTH	320	FT.		LOG SPEED	15	FT./MIN.
BIT SIZE	5 1/8	IN.		LOG SCALE	500=50	CPS/IN. FS.
FLUID LEVEL	190	FT.		DETECTOR TYPE	SJ-NT	DETECTOR SIZE
CSG.	16 DOWE-3 W/ 3 FLGS			DECENTRALIZED		CENTRALIZED
	BORON			SOURCE TYPE		SOURCE SIZE
REMARKS	BOT 270 225 185			TBK NO.	61	
	TOP 255 215 120			OPERATOR	ERICKSON	
	TOT 15 10 25					
	S 2% 2% 4%					

PROJECT ANDERSON MINE **HOLE SIZE** _____ ☐ AIR ☑ WATER **HOLE NO.** AM852

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** K. TAYLOR **DATE** 4/3/78

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 240' **P.D.** _____

PARKS

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						

brownish green mudstone
green mudstone
green siliceous mudstone
brownish green mudstone & green siliceous mudstone
interbd green & lt green to white mudstn.
green mudstone
green siliceous mudstone
lt. grey mudstn (calc?)
green siliceous mudstn.
interbd green & brown siliceous & white mudstn.
green siliceous mudstn.
interbd green & red mudstone, siliceous
interbd green & red mudstn.
lignite & dk grey mudstn.
green & greenish brown siliceous mudstn.
green mudstn.
brownish green & yellow brown mudstn.
yellow brown mudstn.
greenish brown mudstn.
chocolate brown mudstn.
interbd brown & red brown mudstn
brownish red mudstone, red andesite frags.

MINERALS EXPLORATION CO.

CASPER, WYOMING — HOLE NO. AM 852

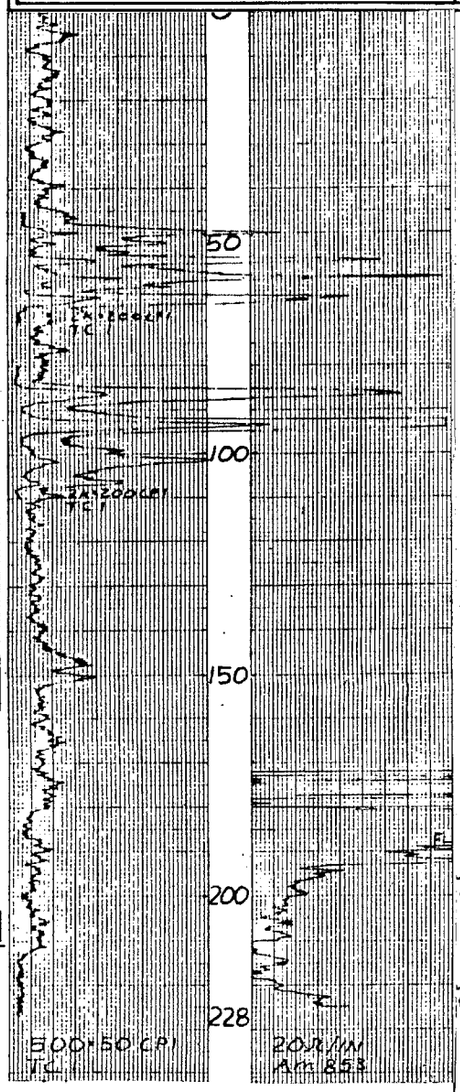
LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE	AZ.
GP.		ELEV.	
SEC	TWP.	RGE.	
DATE	4-3-78		
DEPTH DRILLED	244		
DEPTH LOGGED	244		
FOOTAGE LOGGED			
HOLE DIAMETER	5 1/8		
WATER FACTOR	23		
SENSITIVITY	20	OHMS/INCH	
SELF POTENTIAL		MV/IN	
RETURN	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	200	115	90
TOP	185	95	60
TOTAL FEET	15	20	30
SCALE RUN	2K	2K	2K

GAMMA SCALE	500
PROBE TYPE	DC/SP
K FACTOR	2.2
DEAD TIME	2.2
TIME CONSTANT	1
PROBE DIA.	1 1/2
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	
DRILLER	
CONTRACTOR	
LAST ACC. PE RUN	2-24-78
FLUID LEVEL	170
REMARKS	4TH RUN
	15
	0
	15
	5A

PROJECT Anderson Mine **HOLE SIZE** _____ ☑ AIR ☐ WATER **HOLE NO.** AM 853

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** CZH **DATE** 4-3-78

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 225 **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Silicified siltst Gry to Gry Grn, Gry Chert
	20					siltst, Grn, w/ Thin Silicified Layers
	40					wht calc Tuff, Red Brn chert
	60					Silicified siltst, Gry Grn, LT Tan, Tan Red, Brn, Yel Tan, or Purple Brn Chert
	80					siltst, Pink Buff
	100					Carbonaceous siltst + Lignite
						siltst, Grn
						Silicified siltst, Brn chert
	20					siltst, Grn to Tan Grn
	40					siltst, Yel Tan lim stain
						siltst, Brn
	60					siltst, Yel Tan
	80					
						siltst, Brn
	200					
						siltst, Gry Brn
						siltst, Yel Tan
	20					Andesitic Volcanics, Gry Brn
	225					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 853

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE AZ	
GP.		ELEV.	
SEC.	TWP.	RGE.	

DATE	4-3-78		
DEPTH DRILLED	225		
DEPTH LOGGED	228		
FOOTAGE LOGGED			
HOLE DIAMETER	5.7		
WATER FACTOR	.15		
RESISTIVITY	20	OHMS/INCH	
SELF POTENTIAL	—	MV/IN.	
RUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	110	70	
TOP	180	41	
TOTAL FEET	30	29	
SCALE RUN	2R	2R	

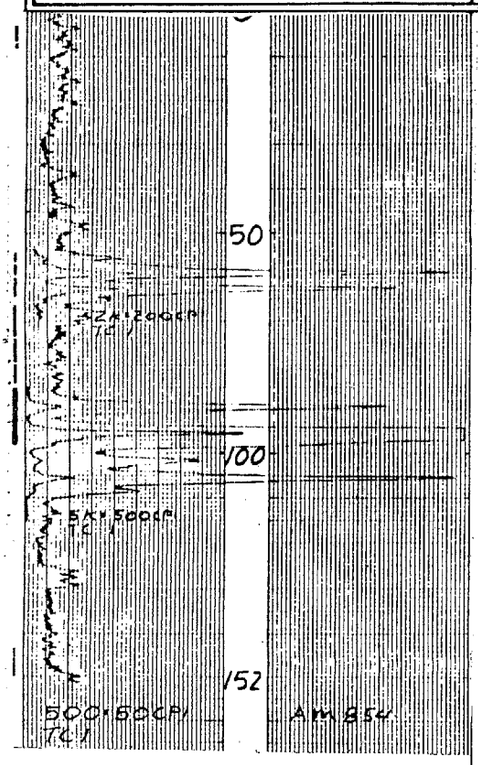
GAMMA SCALE	50-5000
PODS PER	5
SENSITIVITY	6
SAND TIME	9
TIME CONSTANT	1
PODS DIA.	1½
CASING	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	ERICKSON
DRILLER	LUTZ
CONTRACTOR	
LAST ASS. PE RUN	
FLUID LEVEL	190
REMARKS	

PROJECT ANDERSON MINE **HOLE SIZE** _____ ☑ AIR ☐ WATER **HOLE NO.** AM 854

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** K. TAYLOR **DATE** 4/3/78

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 150' **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



LITHOLOGY LOG

- siliceous green mudstone
- interbd lt green & green siliceous mudstn
- green to grey green siliceous mudstone
- green & green siliceous mudstone
- lt green mudstone
- lt green & green siliceous mudstn
- green mudstone
- green mudstn, red brown chert
- pink mudstn, red brown chert
- green siliceous mudstn
- green mudstn red brown chert
- green mudstn & grey green siliceous mudstn
- green mudstn
- interbd green, grey green, grey mudstn & lignite
- interbd greenish brown, grey brown, grey mudstn & lignite
- grey mudstn & lignite
- green mudstn
- interbd green & brown mudstn
- brownish green mudstn

MINERALS EXPLORATION CO.

CASPER, WYOMING — HOLE NO. AM 854

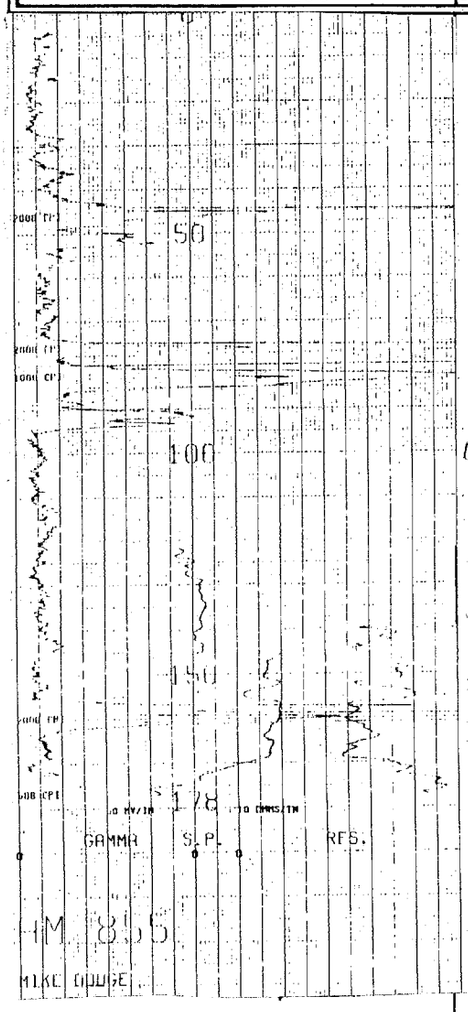
LOCATION	ANDERSON MINE	GAMMA SCALE	500 & 50 CPS
COUNTY	YAVAPAI STATE AZ	PROBE TYPE	SLIM
GP.	ELEV.	R FACTOR	[illegible]
SEC	TWP. RGE.	DEAD TIME	[illegible]
DATE	4-3-78	TIME CONSTANT	1
DEPTH DRILLED	150	PROBE DIA.	1 1/2
DEPTH LOGGED	150	CALIPER	-
FOOTAGE LOGGED		DIRECTIONAL SURVEY	-
HOLE DIAMETER	5 1/2	TEMPERATURE	-
WATER FACTOR	-	OPERATOR	ERICKSON
RESISTIVITY	- OHMS/INCH	DRILLER	CLYDE
SELF POTENTIAL	- M.V./IN.	CONTRACTOR	HARRIS
		LAST A.S.C. PIT RUN	2-24-78
		FLUID LEVEL	
		REMARKS	

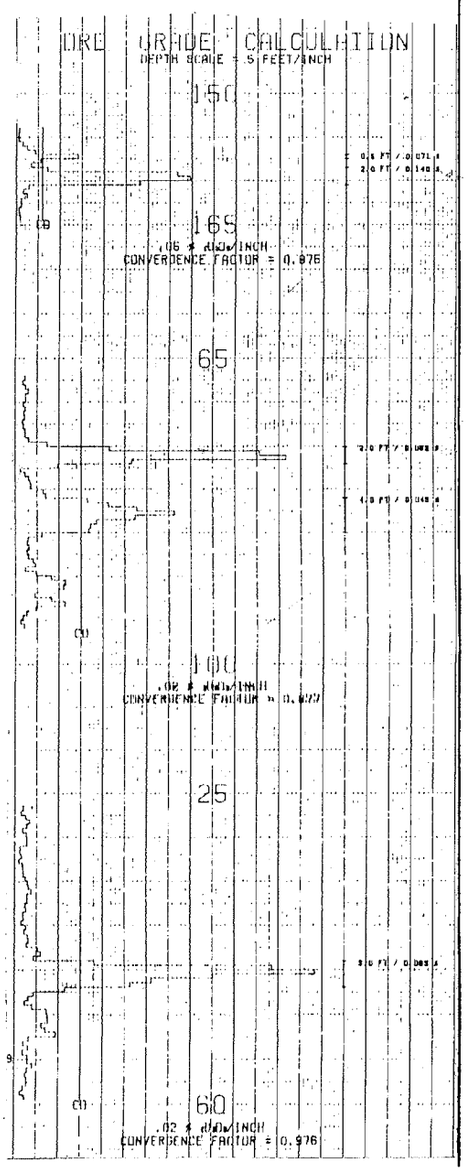
RETURN	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	115	70	
TOP	85	50	
TOTAL FEET	30	15	
SCALE RUN	5K	2K	

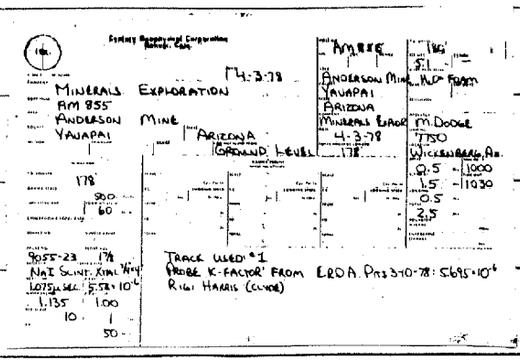
PROJECT Anderson Mine **HOLE SIZE** _____ ☑ AIR ☐ WATER **HOLE NO.** AM 855

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** CPH **DATE** 4-3-78

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 180 **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					Sltst, Grn, Bentonitic
						Silicified sltst Grn, Yel Brn + Brn Chert
						Sltst, Grn
						Wht Calc Tuff
	40					Silicified sltst, Gry Grn, LT Tan Chert
						wht calc Tuff, Purple Brn chert
						Silicified sltst Pink (Calc)
						Sltst, Silicified, Tuffaceous
	60					Silicified sltst, LT Brn to Brn chert
						— Dk Purple Brn chert
						Sltst/mdst Grn
	80					— Brn Blk
						Carbonaceous sltst + lignite Gry to Blk
	100					
						Silicified sltst, Gry Grn, Carbonaceous
	20					
						Sltst, Grn
	40					Sltst, Grn Tan
						Sltst Brn
	60					Sltst, Yel Tan
						Sltst, Brn
	80					Andesitic Volcanics, Gry Brn
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					





PROJECT ANDERSON MINE HOLE SIZE _____ ☐ AIR ☐ WATER HOLE NO. AM 856

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY K. TAYLOR DATE 3/19/78

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 165 P.D. _____

GEOPHYSICAL LOG	DEPTH	LITHOLOGY	GEOCHEMISTRY
		olive green mudstone	
	20	interbd olive green mudstone + white calc? mudstone	
	40	highly siliceous olive green mudstone	
		orange chert	
	60	interbd olive green mudst., lt. grey mudst.	
	80	interbd. olive green mudst, grey mudst. reddish grey mudst. brown mudst.	
		carbonaceous zone, grey mudst, lignitic zones	
	100	lignitic zone	
	20	interbd green + grey mudst.	
		green mudstn.	
	40	yellow brown mudstn.	
	60	red mudst., andesite frags.	
	80		
	00		
	20		
	40		
	60		
	80		
	00		
	20		
	40		
	60		
	80		
	00		
	20		
	40		
	60		
	80		
	00		

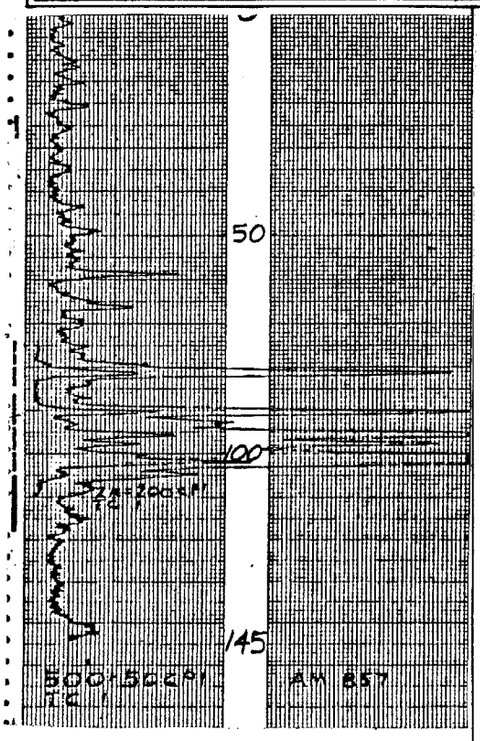
PROJECT ANDERSON MINE **HOLE SIZE** _____ ☒ AIR ☐ WATER **HOLE NO.** AM857

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** K TAYLOR **DATE** 3/27/78

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 150 **P.D.** _____

VENTURE

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Depth	Lithology
	grey green siliceous mudstn.
20	
	grey green mudstn
	brownish green mudstn
40	lt green mudstn, red chert
	grey green mudstn, red chert
	grey green siliceous mudstn.
60	grey green to tan mudstn
	interbd red brown, green, grey mudstn.
	~~red~~ brownish red mudstn.
80	
	carbonaceous, dk grey, greyish brown, mudstn
	interbd lignite
100	blue grey mudstn
	grey green mudstn.
20	
	olive green mudstn.
	blue green mudstn to grey mudstn, carbonaceous
40	brown to brownish green to grey green mudstn
60	
80	
00	
20	
40	
60	
80	
00	
20	
40	
60	
80	
00	
20	
40	
60	
80	
00	
20	
40	
60	
80	
00	

MINERALS EXPLORATION CO.

CASPER, WYOMING — HOLE NO. AM 857

LOCATION	ANDERSON MINE		
COUNTY	MAVAPAI	STATE	AZ
GP.		ELEV.	

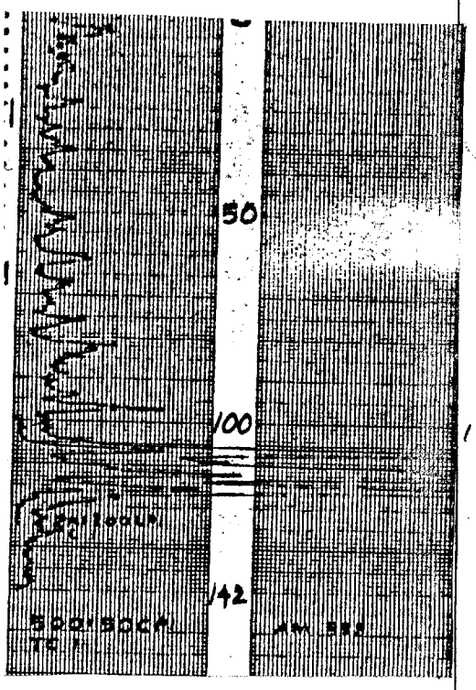
NO.			
DATE	3-28-78		
DEPTH DRILLED	145		
DEPTH LOGGED	145		
FOOTAGE LOGGED			
HOLE DIAMETER	6		
WATER FACTOR	-		
RESISTIVITY	-	OHMS/MEG	
SELF POTENTIAL	-	MV.PH.	
	TYP. MIN	MAX. MIN	MIN. MIN
BOTTOM	110		
TOP	75		
TOTAL FIRT	35		
SCALE RUN	2.5		

SAMPLE SCALE	500:500PI
PROBE TYPE	25 INT
SENSITIVITY	6.00 E-5
DEAD TIME	0.2 μsec
TIME CONSTANT	1
PROBE NO.	1/8
CASING	-
DISCONTINUE SUBMIT	-
TEMPERATURE	-
OPERATOR	ERICKSON
DRILLER	DEGNAN
CONTRACTOR	VENTURE
VAT ACC. TO BIR	2-24-78
FLUID LEVEL	
REMARKS	

PROJECT American Mine HOLE SIZE ____ ☐ AIR ☐ WATER HOLE NO. AM 858

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY K. TAYLOR DATE 3/26/78

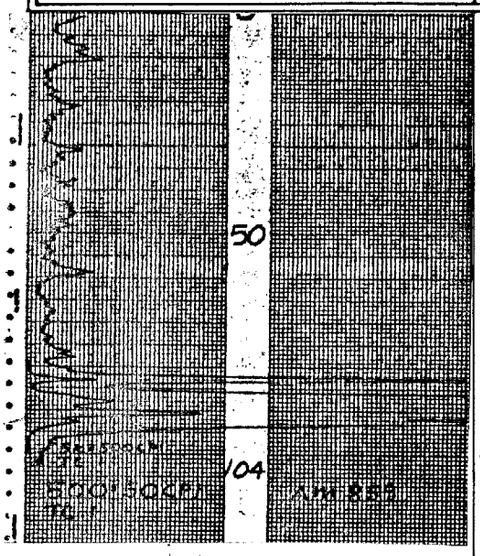
SECTION ____ TOWNSHIP HARRIS RANGE ____ T.D. 140 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					green highly silicious mudstn
						3 red chert
	40					interbd white + green mudstn
	60					green highly silicic mudstn, red highly silicic mudstn + red chert
	80					
	100					interbd grey mudstn + lightite
	20					grey, white (tuff?), grey green mudstns. interbd
						tan to greenish tan mudstn.
	40					tan mudstn + grey andesite frags
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

PROJECT ANDERSON MINE **HOLE SIZE** _____ ☑ AIR ☐ WATER **HOLE NO.** AM 859

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** L. TAYLOR **DATE** 3/22/78

SECTION _____ **TOWNSHIP** Venture **RANGE** _____ **T.D.** 105 **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						interbd lt grey + grey green siliceous mudstn
						grey green siliceous mudstn.
						green mudstn
	20					grey green to green siliceous mudstn.
	40					grey siliceous mudstn
						green mudstn
						grey siliceous mudstn.
	60					green mudstn
						grey siliceous mudstn.
	80					interbd brown, red brown, grey, green mudstn.
						red to greenish brown mudstn
	100					carbonate frag (red)
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM 859

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI STATE AZ.		
SP.	REV.		
NO.	TWP.	RGE.	
DATE	3-22-78		
DEPTH DRILLED	105		
DEPTH LOGGED	104		
TOTAL CASING			
HOLE DIAMETER	6		
STATIC WATER	–		
DIRECTION	–	INCLINATION	
FOR FORMATION	–		
CASING	10		
BOTTOM	100		
TOP	80		
TOTAL FILL	80		
DRILL PIPE	80		

DRILLING CO.	
RIG NO.	
DRILLER	
DRILL BIT	
CORE	–
DRILLING TIME	–
TEMPERATURE	–
COMPANY	EXPLORATION
OPERATOR	DRAKE
CONTRACTOR	VENTURE
DATE DRILLED	3-22-78
FILED BY	
REMARKS	

PROJECT ANDERSON MINE HOLE SIZE _____ ☐ AIR ☐ WATER HOLE NO. AM 860

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY K. TAYLOR DATE 3/13/78

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. _____ P.D. _____

DEPTH	LITHOLOGY	GEOCHEMISTRY
0	olive green mudstone, highly silicic olive green mudst red brown chert	
20		
40	olive grey mudst	
	olive green to olive brown mudstone,	
50	olive brown to red brown mudstone	
60	dk red andesite frags	
80		
100		
20		
40		
60		
80		
200		
20		
40		
60		
80		
300		
20		
40		
60		
80		
400		
20		
40		
60		
80		
500		
20		
40		
60		
80		
600		

5K = 500CPM
TC 1

500 = 50CPM
TC 1

38

AM 860

MINERALS EXPLORATION CO. CASPER, WYOMING

AREA ANDERSON MINE			HOLE NO. AM 860
GOLD POINT		ELEVATION	GAMMA - GAMMA DENSITY
COUNTY YAVAPAI		STATE AZ.	
SEC.	TWP.	RGE.	

BOREHOLE DATA		LOG DATA	
DATE	3-13-78	TOTAL DEPTH BOTTOM	68 ft
DRILLER	DENNIS / VENTURE	TOTAL DEPTH DRILLED	78 ft
BOREHOLE DEPTH	70 ft	LOG BOND	15
BIT SIZE	6 in	LOG RUN	500-58
FLUID LEVEL	ft	DETECTOR TYPE	SC(NT)
CAS.	K: 600 ft, A: 9 in	DETECTOR SIZE	TC 1
REMARKS	REAM	PRECEIVER SPCG	
	DOT 60	SOURCE TYPE	
	TO" 50	SOURCE SIZE	
	TOI 10	TOOL NO.	G1
	1 52	OPERATOR	ERICSON