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MINERALS EXPLORATION CO.

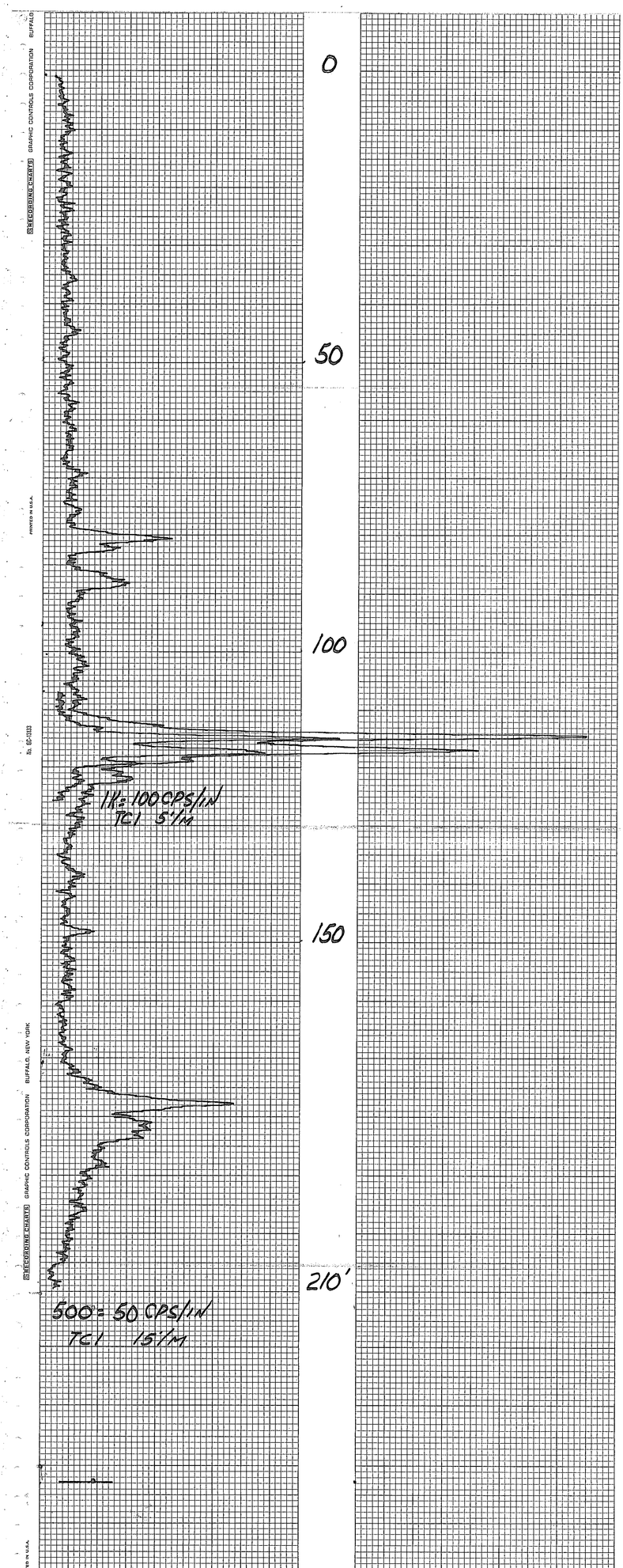
CASPER, WYOMING

HOLE NO. AM 481

LOCATION ANDERSEN MINE		GAMMA SCALE	500 = 50CPS/in
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT.
GP. ~~1,203,675.8N 636,016.9E~~ 1206173.38N	ELEV. 1894	K-FACTOR	5.70 x 10-5
SEC. 82 367.75E	TWP. RGE.	DEAD TIME	7.14 μ
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
		CALIPER	
		DIRECTIONAL SURVEY	
		TEMPERATURE	
		OPERATOR	KETTERLING
		DRILLER	FREDDY
		CONTRACTOR	UNIVERSAL
		LAST A.E.C. PIT RUN	
		FLUID LEVEL	

DATE	3-18-77		
DEPTH DRILLED	210		
DEPTH LOGGED	210		
FOOTAGE LOGGED	229		
HOLE DIAMETER	5		
WATER FACTOR	-		
RESISTIVITY	- OHMS/INCH		
SELF POTENTIAL	- M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	126		
TOP	107		
TOTAL FEET	19		
SCALE RUN	1K=100CPS/in		

REMARKS:



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MINERALS EXPLORATION CO.

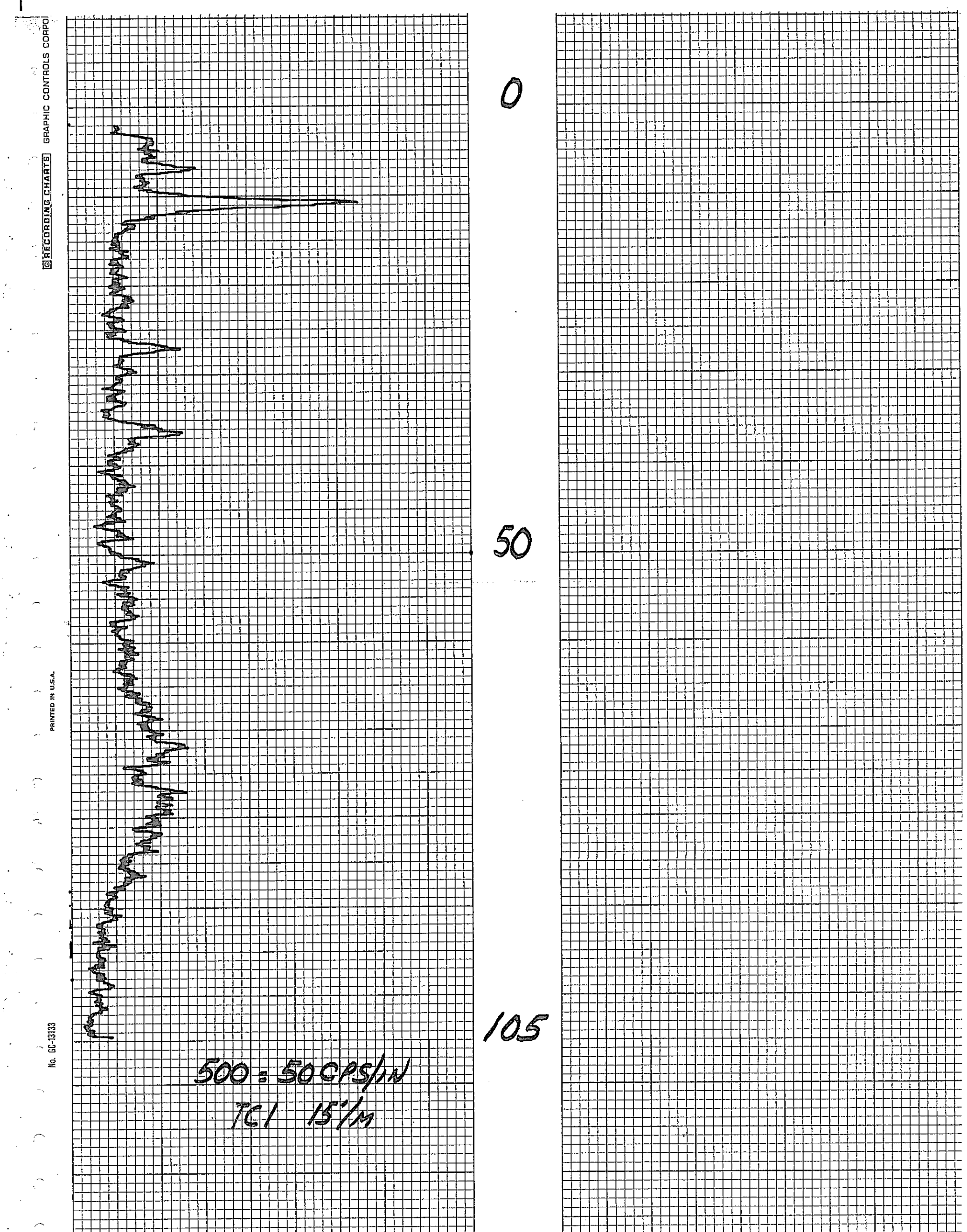
CASPER, WYOMING

HOLE NO. AM 482

LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT.
GP. ~~1,203,600.7N 635,802.9E~~	ELEV. 1786	K-FACTOR	5.70 x 10-5
1206102.23N		DEAD TIME	7.19u
SEC. 82 152.43E TWP.	RGE.	TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	3-19-77	CALIPER	
DEPTH DRILLED	105	DIRECTIONAL SURVEY	
DEPTH LOGGED	105	TEMPERATURE	
FOOTAGE LOGGED	105	OPERATOR	KETTERLING
HOLE DIAMETER	5	DRILLER	FREDDY
WATER FACTOR	1.19	CONTRACTOR	UNIVERSAL
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	- M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

REMARKS:



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MINERALS EXPLORATION CO.

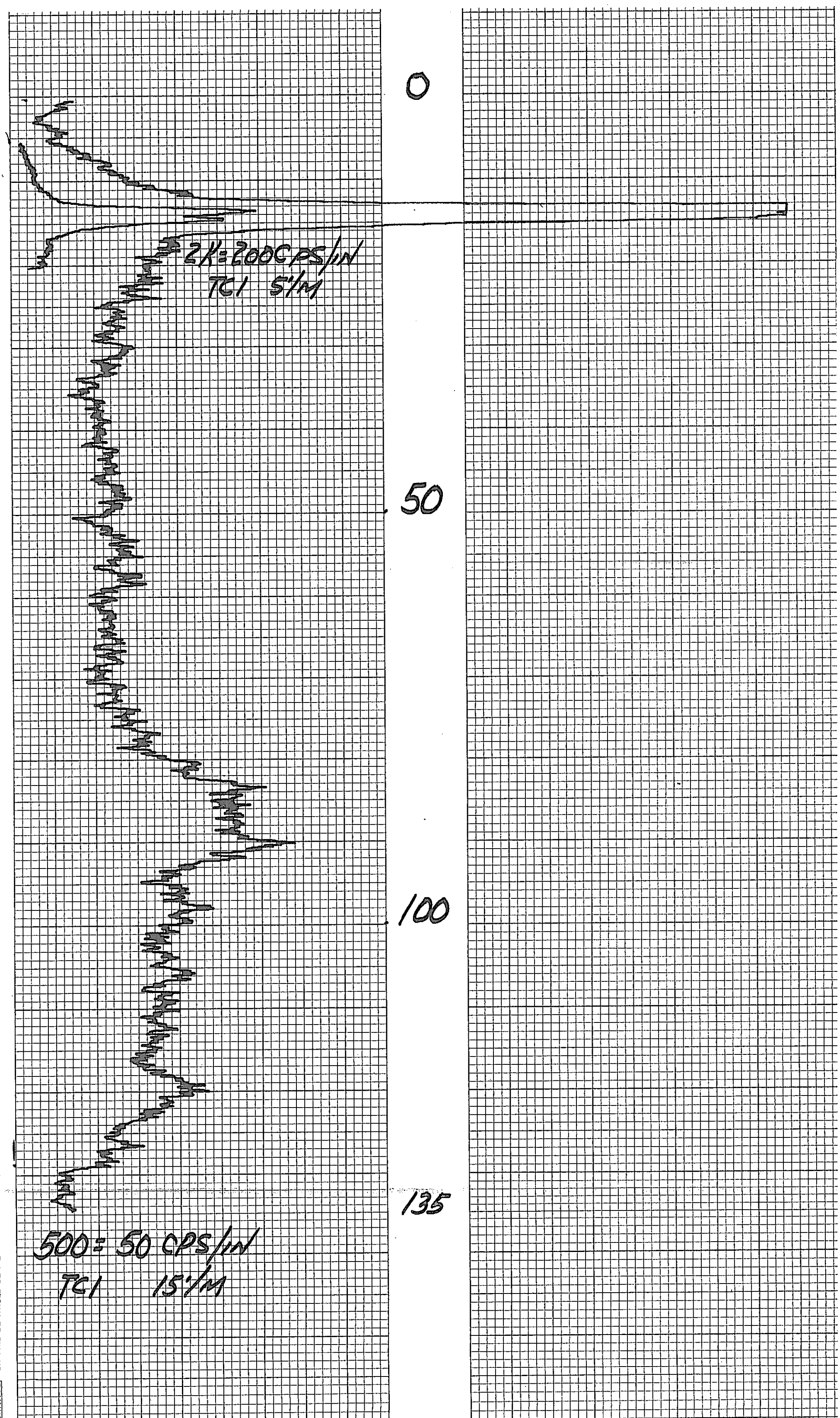
CASPER, WYOMING

HOLE NO. AM 983

LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. ~~1,203,803.5N-635,766.1E~~	ELEV. 1839	K-FACTOR	2.05×10^{-5}
1206305.87N		DEAD TIME	
SEC. 82 119.09E TWP.	RGE.	TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	3-20-77	CALIPER	
DEPTH DRILLED	150?	DIRECTIONAL SURVEY	
DEPTH LOGGED	135	TEMPERATURE	
FOOTAGE LOGGED	155	OPERATOR	KETTERLING
HOLE DIAMETER	5	DRILLER	FREDDY
WATER FACTOR	-	CONTRACTOR	UNIVERSAL
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	- M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	20		
TOP	0		
TOTAL FEET	20		
SCALE RUN	2K=200CPS/IN		

REMARKS: PROBE 61-2



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

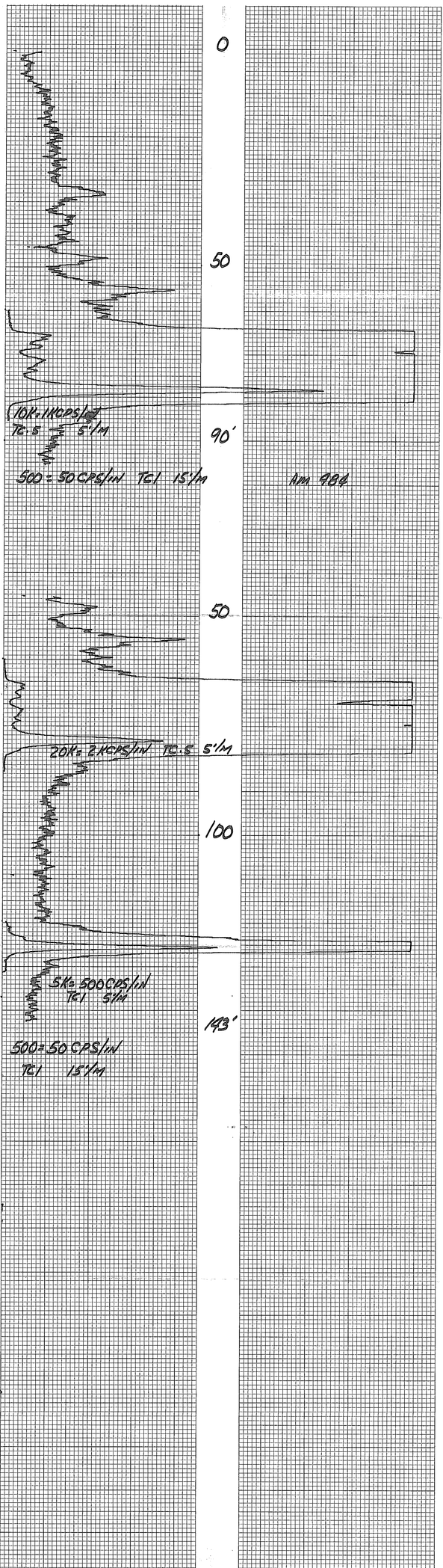
MINERALS EXPLORATION CO.

CASPER, WYOMING — **HOLE NO.** AM 484

LOCATION	ANDERSEN MINE	GAMMA SCALE	500 = 50CPS/in
COUNTY	YAVAPAI — STATE ARIZONA	PROBE TYPE	SCINT
GP.	~~1203,989.4N 635,811.7E~~ 1206 490.01N — ELEV. 1862	K-FACTOR	2.05×10^{-5}
SEC.	82 168.41E — TWP. — RGE.	DEAD TIME	
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	3-20-77	CALIPER	
DEPTH DRILLED	145	DIRECTIONAL SURVEY	
DEPTH LOGGED	143	TEMPERATURE	
FOOTAGE LOGGED	168	OPERATOR	KETTERLING
HOLE DIAMETER	5	DRILLER	FREDDY
WATER FACTOR	-	CONTRACTOR	UNIVERSAL
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	- M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	131	85	
TOP	120	60	
TOTAL FEET	11	15	
SCALE RUN	5K=500 CPS/IN	10K=1KCPS/IN	

REMARKS: PROBE 61-2

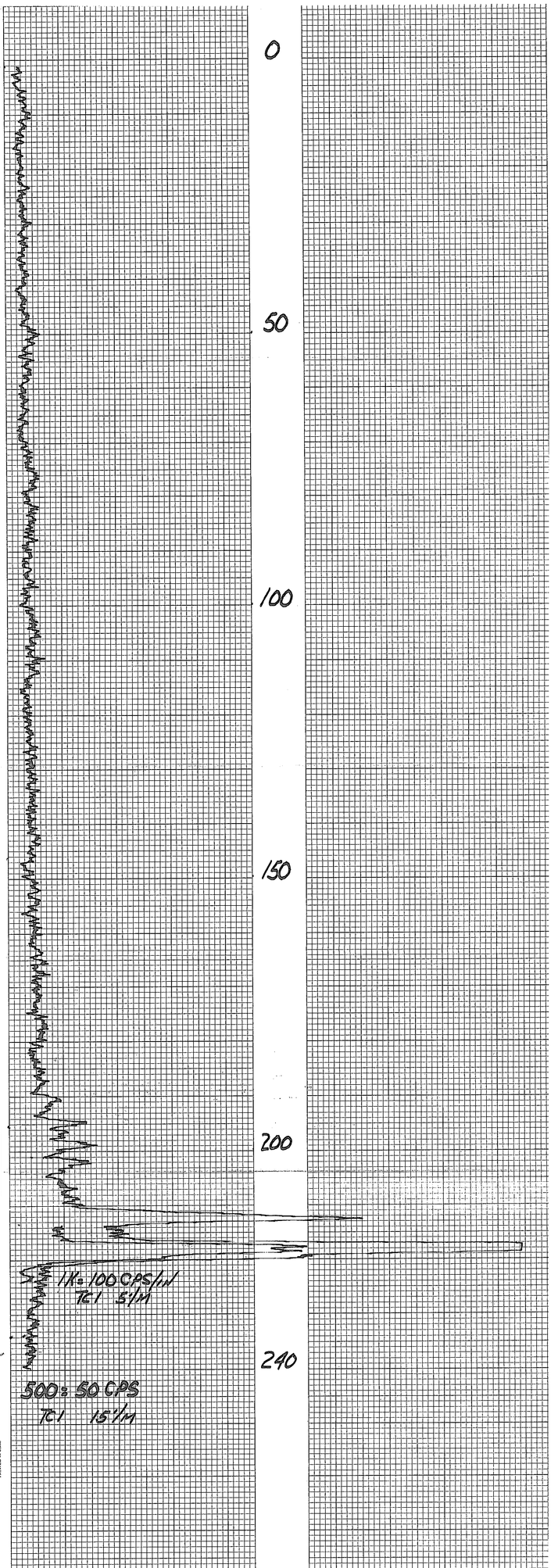


MINERALS EXPLORATION CO.

CASPER, WYOMING — **HOLE NO.** AM 485

LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. ~~1,204,140.8N-636,132.6E~~ 1206636.22N	ELEV. 1960	K-FACTOR	5.70x10-5
SEC. 82 492.09E	TWP. RGE.	DEAD TIME	7.14 u
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	3-17-77	CALIPER	
DEPTH DRILLED	255	DIRECTIONAL SURVEY	
DEPTH LOGGED	240	TEMPERATURE	
FOOTAGE LOGGED	250	OPERATOR	KETTERLING
HOLE DIAMETER	5	DRILLER	FREDDY
WATER FACTOR	1.19	CONTRACTOR	UNIVERSAL
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	- M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	224			
TOP	214			
TOTAL FEET	10			
SCALE RUN	1K=100CPS/IN			



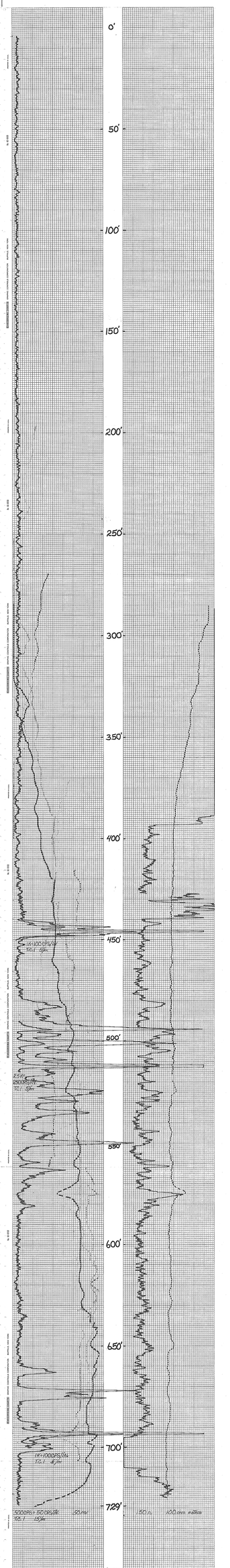
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE	HOLE NO.	AM-486
COUNTY	YAVAPAI	STATE	ARIZ.
GP.	1204207.7N 0417784.4N E	ELEV.	2082
SEC.	22	TWP. 14	RGE. 3E
DATE	2/19/79		
DEPTH DRILLED	780'		
DEPTH LOGGED	729'		
FOOTAGE LOGGED	774'		
HOLE DIAMETER	5 5/8" to 780'		
WATER FACTOR			
RESISTIVITY	OHMS/INCH		
SELF POTENTIAL	M.V./IN.		

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	700'	515'	450'
TOP	650'	490'	440'
TOTAL FEET	10'	25'	10'
SCALE RUN	1K=100CPS/IN.	2.5K-250CPS/IN.	1K=100CPS/IN

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	3GNC
K-FACTOR	5.7 10^{-3}
DEAD TIME	7.14 μsec.
TIME CONSTANT	1
PROBE DIA.	1 5/8"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Lon
CONTRACTOR	Roberts
LAST A.B.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



MINERALS EXPLORATION CO.

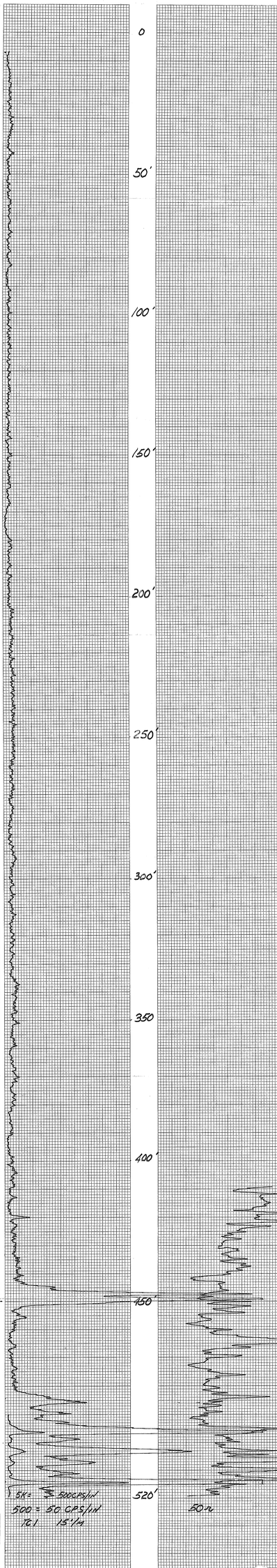
CASPER, WYOMING

LOCATION	ANDERSEN MINE
COUNTY	YAVAPAI
STATE	ARIZ.
GP.	
ELEV.	
SEC.	
TWP.	
RGE.	
DATE	10-10-77
DEPTH DRILLED	520
DEPTH LOGGED	520
FOOTAGE LOGGED	350'
HOLE DIAMETER	8"
WATER FACTOR	1.10
RESISTIVITY	50 OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	520		
TOP	490		
TOTAL FEET	30		
SCALE RUN	5K=500CPS/in		

HOLE NO.	AM 426C
GAMMA SCALE	500=50CPS
PROBE TYPE	SCINT.
K-FACTOR	5.42x10 -5
DEAD TIME	7.65 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	VETTERLING
DRILLER	
CONTRACTOR	BOYLES. BA
LAST A.E.C. PIT RUN	
FLUID LEVEL	

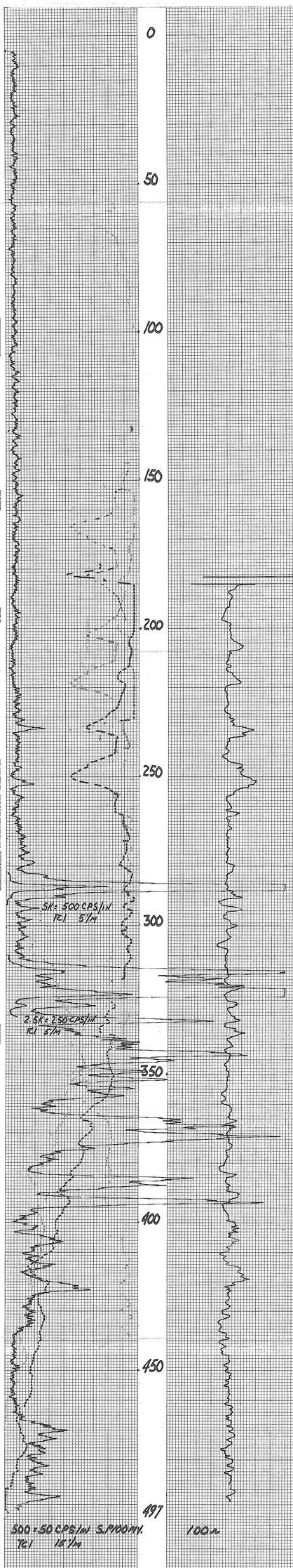
REMARKS: NOT ABLE TO GE
BACK FOR RE-RU.
AT 450'



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 987
LOCATION ANDERSEN MINE		GAMMA SCALE	500=50 CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. ~~1,202,383.0N-639,752.1E~~ 1204 813.45N	ELEV. 1819	K-FACTOR	5.70x10^-5
SEC. 86078.90E	TWP. RGE.	DEAD TIME	7.19u
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	3-15-77	CALIPER	
DEPTH DRILLED	505	DIRECTIONAL SURVEY	
DEPTH LOGGED	497	TEMPERATURE	
FOOTAGE LOGGED	528	OPERATOR	KETTERLING
HOLE DIAMETER	5	DRILLER	FREDDY
WATER FACTOR		CONTRACTOR	UNIVERSAL
RESISTIVITY	100 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	100 M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	330	293		
TOP	310	282		
TOTAL FEET	20	11		
SCALE RUN	2.5K=250CPS/IN	5K=500CPS/IN		



MINERALS EXPLORATION CO.

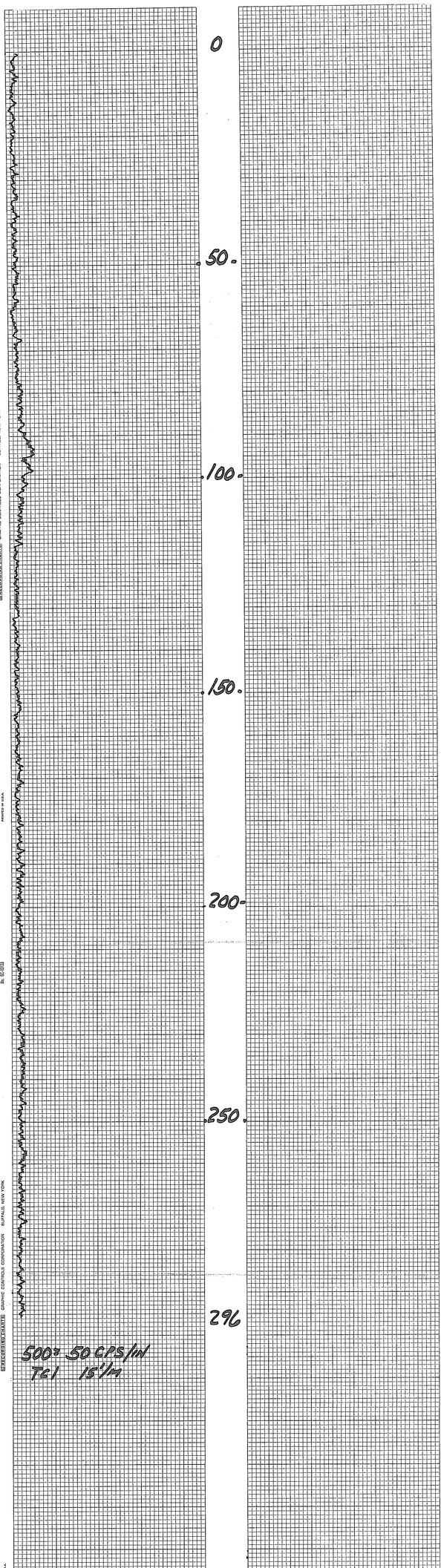
CASPER, WYOMING

HOLE NO. AM 488

LOCATION ANDERSEN MINE		GAMMA SCALE	500:50CPS
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. ~~1,205,403.2N-638,046.2E~~ 1207863.63N	ELEV. 1673	K-FACTOR	5.70x10-5
		DEAD TIME	7.14u
		TIME CONSTANT	1
SEC. 84 427.46E	TWP. RGE.	PROBE DIA.	1 5/8
DATE	3-1-77	CALIPER	
DEPTH DRILLED	300	DIRECTIONAL SURVEY	
DEPTH LOGGED	296	TEMPERATURE	
FOOTAGE LOGGED	296	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	FREDDY
WATER FACTOR	-	CONTRACTOR	UNIVERSAL
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

REMARKS: VALIDATION #1

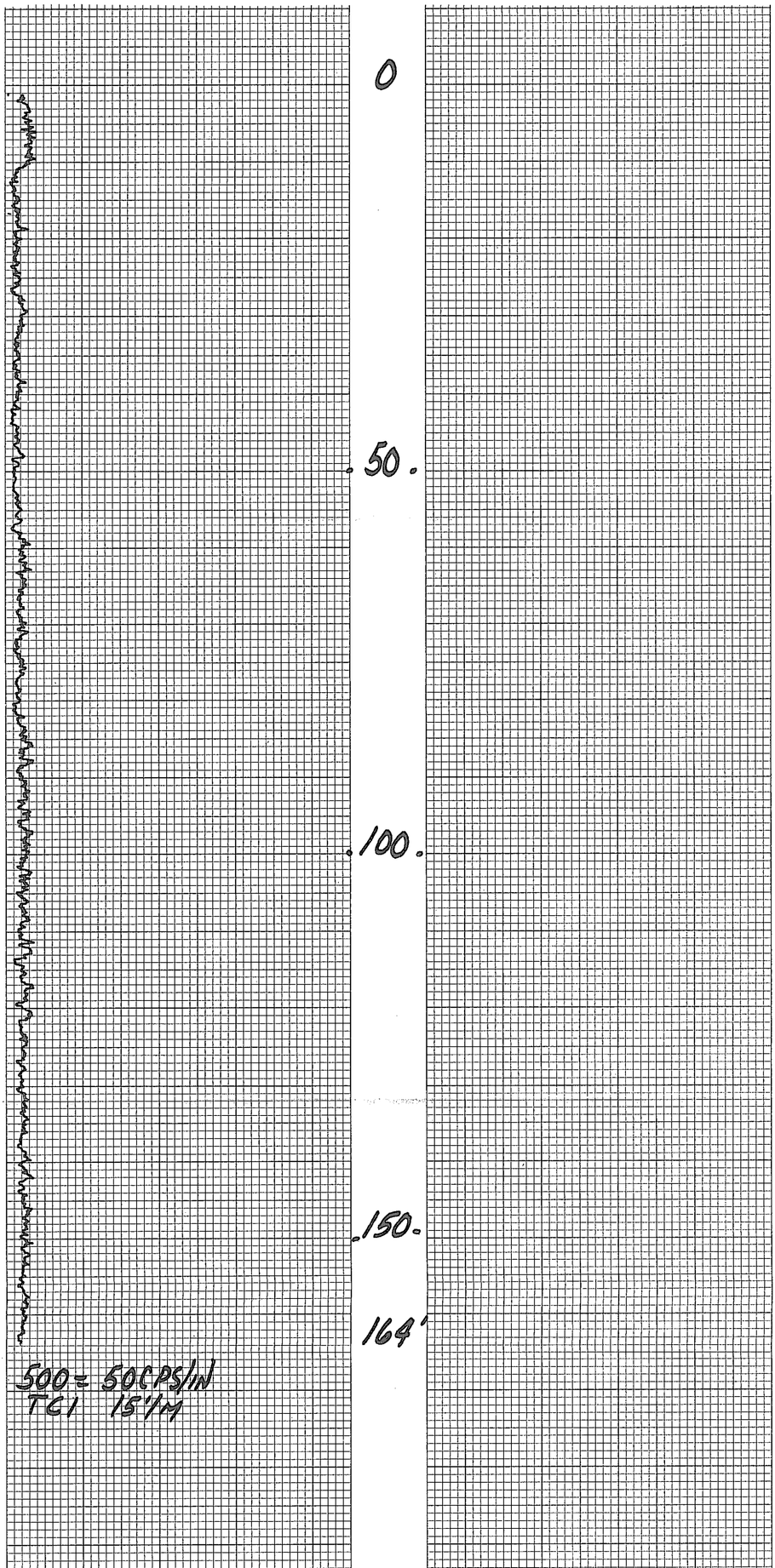


MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM 489

LOCATION ANDERSEN MINE		**GAMMA SCALE**	500=50CPS/IN
COUNTY YAVAPAI	**STATE** ARIZONA	**PROBE TYPE**	SCINT
GP. ~~1,205,424.5N-638,461.5~~	**ELEV.** 1682	**K-FACTOR**	5.70 x 10-5
		DEAD TIME	7.14 μ
SEC. 1207 878.15N 84 843.79E **TWP.**	**RGE.**	**TIME CONSTANT**	1
		PROBE DIA.	1 5/8
DATE	3-2-77	**CALIPER**	
DEPTH DRILLED	165	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	164	**TEMPERATURE**	
FOOTAGE LOGGED		**OPERATOR**	KETTERLING
HOLE DIAMETER	5 5/8	**DRILLER**	JIM
WATER FACTOR	1.22	**CONTRACTOR**	UNIVERSAL
RESISTIVITY	– OHMS/INCH	**LAST A.E.C. PIT RUN**	
SELF POTENTIAL	– M.V./IN.	**FLUID LEVEL**	

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**	**REMARKS:**
BOTTOM				
TOP				
TOTAL FEET				
SCALE RUN				



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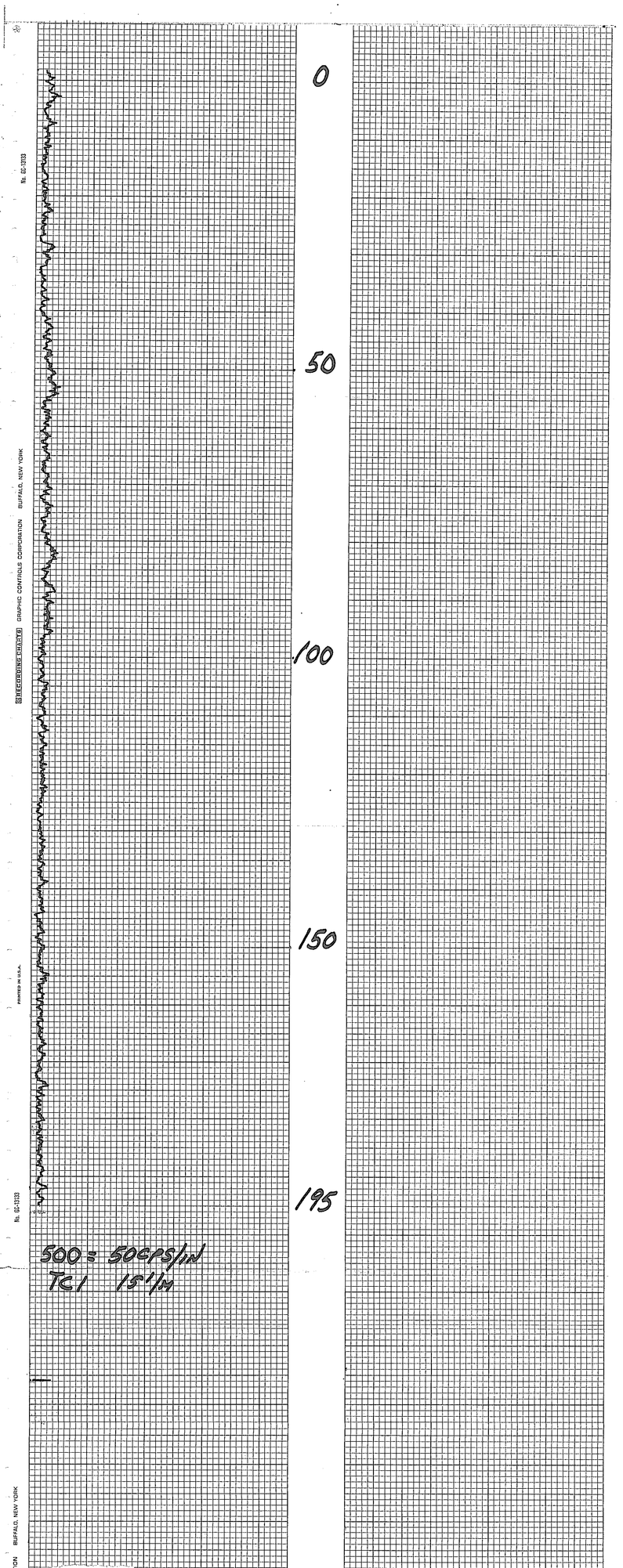
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 490

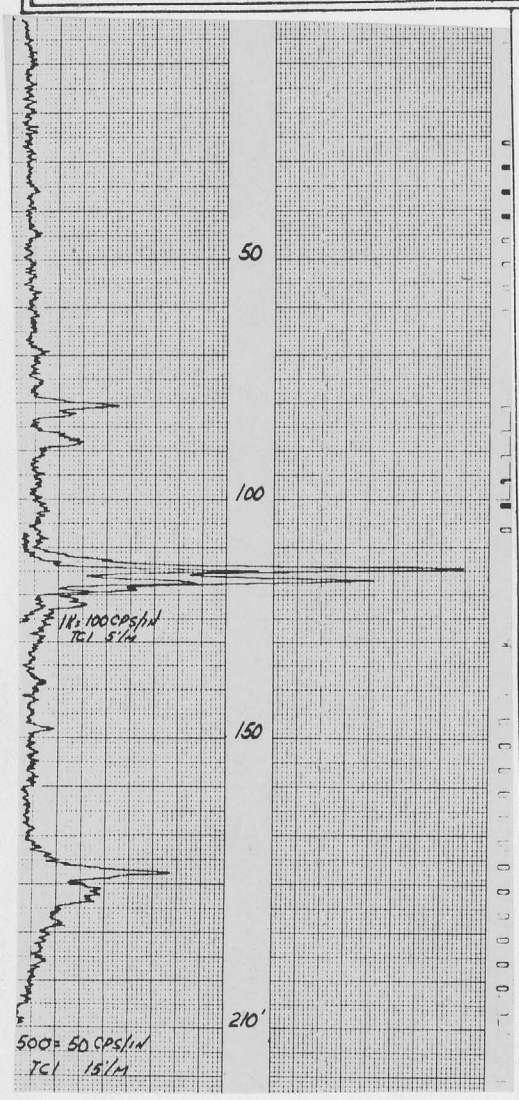
LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/I
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT.
GP. ~~1,207,303.7N-643,042.0E~~ 1209674.53N	ELEV. 1725	K-FACTOR	5.70x10-5
SEC. 89	TWP. 456.82E RGE.	DEAD TIME	7.19M
DATE	3/3/77	TIME CONSTANT	1
DEPTH DRILLED	200	PROBE DIA.	1 5/8
DEPTH LOGGED	195	CALIPER	
FOOTAGE LOGGED	195	DIRECTIONAL SURVEY	
HOLE DIAMETER	5 5/8	TEMPERATURE	
WATER FACTOR	-	OPERATOR	KETTERLING
RESISTIVITY	- OHMS/INCH	DRILLER	FREDDY
SELF POTENTIAL	- M.V./IN.	CONTRACTOR	BOYLES BROS.
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM		FLUID LEVEL	
TOP		REMARKS:	
TOTAL FEET			
SCALE RUN			



PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 481

ELEVATION 1894 NORTH 1,203,675.8 EAST 636,016.9 LOGGED BY CZH DATE 3-18-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 210 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					Sltst, Tan
	40					Sltst, Grn
	60				Tcgl-ss / Tl?	Sltst, Brn to Tan
						Sltst, Grn
	80					Silicified sltst + Wht calc Tuff orLs, w/Red Brn chert, LT Tan to Grn calcareous
	100					Sltst, Grn, Sndy
	20					Silicified Sltst, LT Tan to Tan Grn, w/ Yel Brn chert, calcareous, Bentonitic
	40					Sltst, Grn, Bentonitic
						Sltst, Silicified, Grn, w/Yel Brn + Pale Brn Chert
	60					Sltst, Yel Grn Sndy
						Sltst, Red Brn, No Volcanics
	80					Sltst, Tan Grn, Sndy
	200					Andesitic Volcanic Red Brn to Gry Brn
	210					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

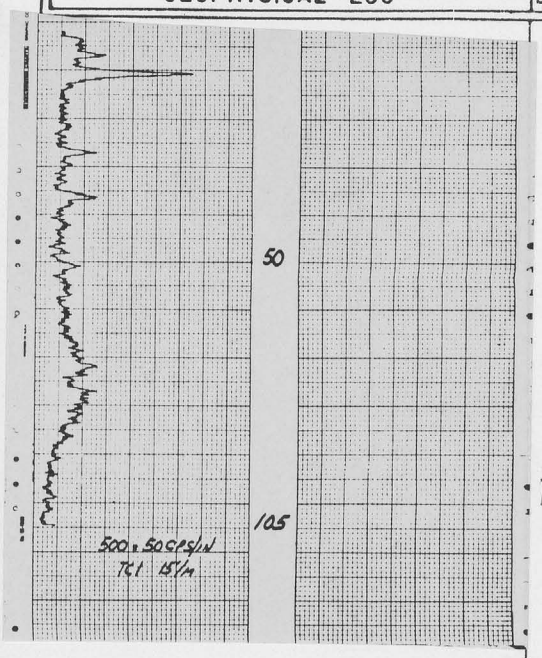
CASPER, WYOMING

LOCATION ANDERSON MINE		HOLE NO.	AM 481
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,203,675.8N-636,016.9E	ELEV. 1894	PROBE TYPE	SCINT.
		K-FACTOR	5.70×10⁻⁵
		DEAD TIME	7.14 μ
		TIME CONSTANT	1
SEC.	TWP. RGE.	PROBE DIA.	1 5/8
DATE	3-18-77	CALIPER	
DEPTH DRILLED	210	DIRECTIONAL SURVEY	
DEPTH LOGGED	210	TEMPERATURE	
FOOTAGE LOGGED	229	OPERATOR	KETTERLING
HOLE DIAMETER	5	DRILLER	FREDDY
WATER FACTOR	-	CONTRACTOR	UNIVERSAL
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	- M.V./IN.	FLUID LEVEL	
RUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	REMARKS:	
BOTTOM	126		
TOP	107		
TOTAL FEET	19		
SCALE RUN	1K=100CPS/IN		

PROJECT Anderson Mine HOLE SIZE ☑ AIR ☐ WATER HOLE NO. AM 482

ELEVATION 1786 NORTH 1,203,600.7 EAST 635,802.9 LOGGED BY CZH DATE 3-19-77

SECTION TOWNSHIP RANGE T.D. 105 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					Siltst, Grn, Silicified, w/ Red + Red Brn Chert — Bentonitic Layers Gry Wht to Gry
	40					Siltst, Grn Trace silicification
	60					Siltst, Silicified, Gry Grn to Grn, w/ Yel Brn + Lt Brn Chert
	80					Siltst, Grn Bentonitic Silicified Siltst or Tuff, Pink, Red Staining in Fractures Siltst, Grn, Bentonitic
	100 105					Siltst, Red Brn, w/ Andesitic Volcanic Frags, Red Brn
	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

LOCATION ANDERSEN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. 1203,600.7N- 635,802.9E	ELEV. 1786		
SEC.	TWP.	RGE.	
DATE	3-19-77		
DEPTH DRILLED	105		
DEPTH LOGGED	105		
FOOTAGE LOGGED	105		
HOLE DIAMETER	5		
WATER FACTOR	1.19		
RESISTIVITY	-	OHMS/INCH	
SELF POTENTIAL	-	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			

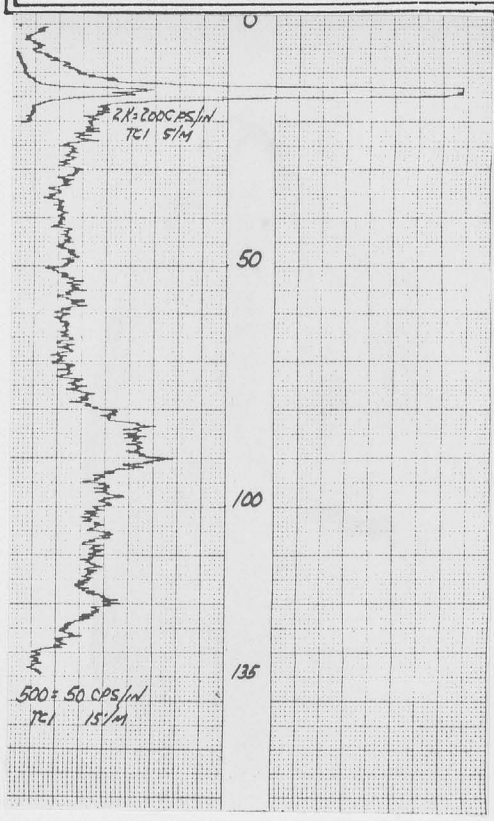
HOLE NO.	AM 482
GAMMA SCALE	500=50CPS/in
PROBE TYPE	SCINT.
K-FACTOR	5.70 x 10-6
DEAD TIME	7.1 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	RETTERLING
DRILLER	FARGOY
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. Am 483

ELEVATION 1839 NORTH 1,203,803.5 EAST 635,766.1 LOGGED BY CZH DATE 3-20-77

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 135 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Depth scale: 20, 40, 60, 80, 100, 20, 135, 40, 60, 80, 00, 20, 40, 60, 80, 00, 20, 40, 60, 80, 00, 20, 40, 60, 80, 00

Lithology log:

- Cgl, Talus Slope Wash Granitic + Volcanics
- Sltst, Tan
- Sltst, Grn
- Silicified Sltst, Tan Grn, Gry Chert
- Sltst, Grn
- Sltst, Red Brn, No Volcanics
- Sltst Grn
- Sltst, Yel, Tan
- Sltst, Silicified, Gry Chert
- Sltst, Red Brn + Andesitic Volcanics Red Brn to Gry Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 483

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1,203,803.5N-635,766.1E ELEV. 1839

SEC.	TWP.	RGE.
DATE	3-20-77	
DEPTH DRILLED	150?	
DEPTH LOGGED	135	
FOOTAGE LOGGED	155	
HOLE DIAMETER	5	
WATER FACTOR	-	
RESISTIVITY	-	OHMS/INCH
SELF POTENTIAL	-	M.V./IN.

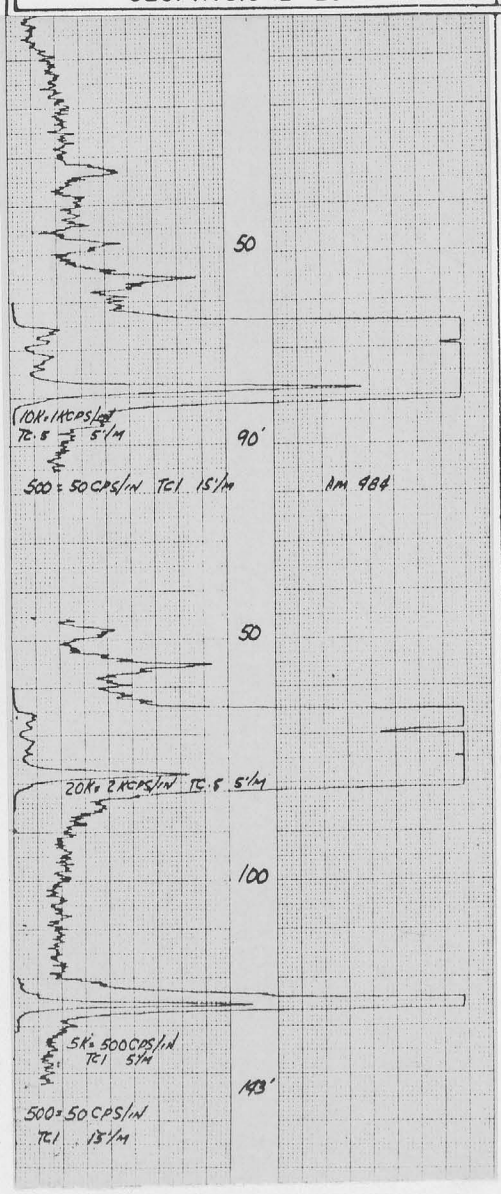
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	20		
TOP	0		
TOTAL FEET	20		
SCALE RUN	2X=200CPS/IN		

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	2.05×10^{-5}
DEAD TIME	
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	FREDDY
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	PROBE 61-2

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM 484

ELEVATION 1862 NORTH 1,203,989.4 EAST 635,811.7 LOGGED BY C.Z.H. DATE 3-20-77

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 145 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					Siltst, Tan
	40					Siltst, Grn Trace Silicification
	60					Silicified Siltst, Tan Grn, W/Yel Brn Chert
	80					Siltst, Grn, Sndy
	100					Silicified Siltst, Yel Grn to Grn W/ Red Brn to Brn Chert,
	20					Siltst, Grn, Bentonitic, Sndy
	40					Silicified Siltst, Tan Grn, Brn Chert
	145					Siltst, Grn, Bentonitic
	60					Siltst, Red, No Volcanics
	80					Siltst, Grn Trace Silicification W/ Intbdd Grn Siltst + Wht Bentonite
	00					Siltst, Red, W/ Andesitic Volcanic Frags, Red Brn
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE			HOLE NO. AM 484
COUNTY YAVAPAI	STATE ARIZONA		GAMMA SCALE 500 = 50CPS/in
GP. 1203989.4N-635811.7E	ELEV. 1862		PROBE TYPE SCINT
SEC.	TWP.	RGE.	K FACTOR 2.05×10^{-5}
DATE	3-20-77		DEAD TIME
DEPTH DRILLED	145		TIME CONSTANT 1
DEPTH LOGGED	143		PROBE DIA. 1 5/8
FOOTAGE LOGGED	140		CALIPER
HOLE DIAMETER	5		DIRECTIONAL SURVEY
WATER FACTOR	-		TEMPERATURE
RESISTIVITY	-	OHMS/INCH	OPERATOR PETERSWING
SELF POTENTIAL	-	M.V./IN.	DRILLER FARADY
			CONTRACTOR UNIVERSAL
			LAST A.E.C. PIT RUN
			FLUID LEVEL

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	131	85	
TOP	120	60	
TOTAL FEET	11	15	
SCALE RUN	5K=500 cps/in	10K=1Kcps/in	

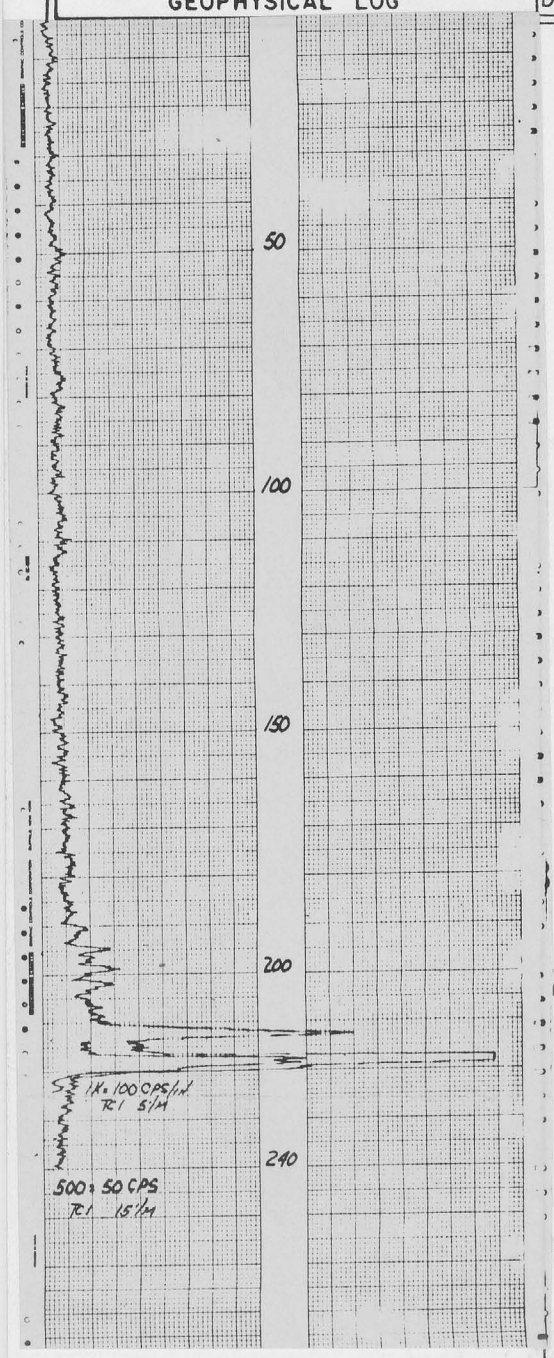
REMARKS: PROBE GL-2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 485

ELEVATION 1960 NORTH 1,204,140.8 EAST 636,132.6 LOGGED BY CZH DATE 3-17-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 255 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Sltst, Tan to Brn to Tan Grn, Sndy

Tcg/ss ?
TL

Sltst, Grn, Bentonitic

Sltst, Silicified, Tan Grn, Yel Brn Chert
Bentonite Layers

Sltst, Grn, Bentonitic

Sltst Red w/Red Brn Andesitic Volcanic Frags

255

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSON MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. 1,204,140.8N-636,132.6E	ELEV. 1960		
SEC.	TWP.	RGE.	
DATE	3-17-77		
DEPTH DRILLED	255		
DEPTH LOGGED	240		
FOOTAGE LOGGED	250		
HOLE DIAMETER	5		
WATER FACTOR	1.19		
RESISTIVITY	–	OHMS/INCH	
SELF POTENTIAL	–	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	224		
TOP	214		
TOTAL FEET	10		
SCALE RUN	1X: 100 CPS/IN		

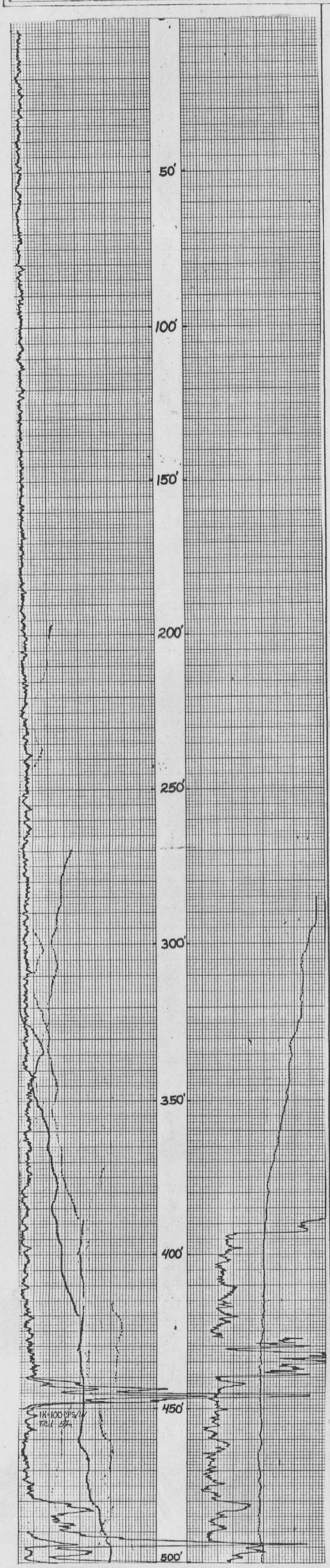
HOLE NO.	AM 485
GAMMA SCALE	500 = 50 CPS/in
PROBE TYPE	SCINT
K-FACTOR	5.70 x 10 -6
DEAD TIME	7.18 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	FREDDY
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. Am 486

ELEVATION 2002 NORTH 1,201,813.8 EAST 641,798.4 LOGGED BY CZH DATE 2-19-77

SECTION TOWNSHIP RANGE T.D. P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



20 40 60 80 100 20 40 60 80 200 20 40 60 80 300 20 40 60 80 400 20 40 60 80

Cgl, Lt Tan to Lt Gry, Volcanic Frags

Basalt ??? Gry Brn

Cgl Vi Crs to Silty SS, Lt Tan, Granitic

Siltst, Tan, Sndy, Lower Bentonitic

Siltst, Pale Grn, Bentonitic, Silicified w/ wht Calc Tuff and Yel Brn Chert

Siltst/Mdst, Grn, Bentonitic

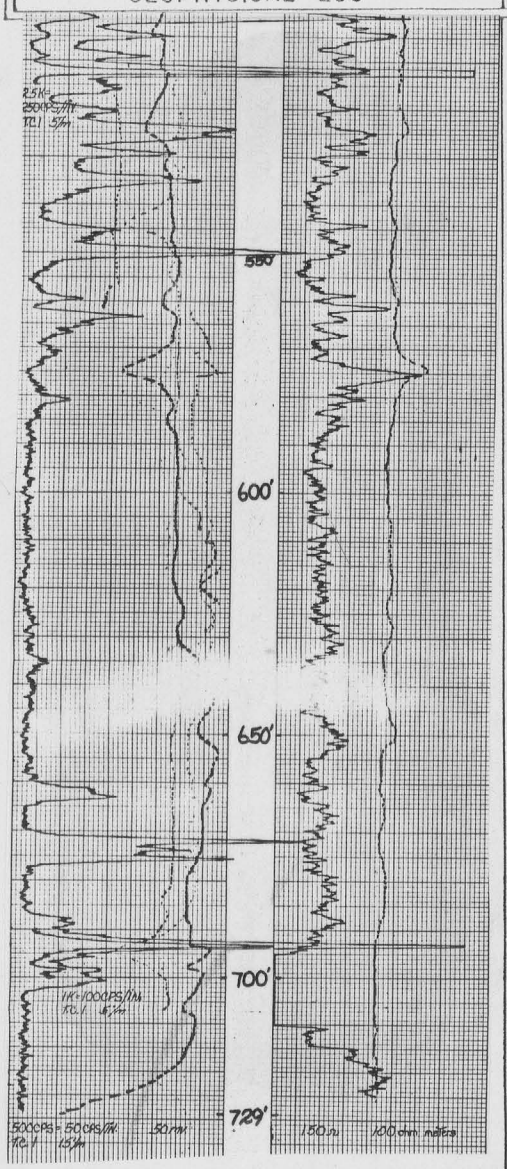
Siltst, Grn to DK Grn, Carbonaceous, Silicified, Calcareous, W/ Thin Intbds of Lignite

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 486

ELEVATION 2002 NORTH 1,201,813.8 EAST 641,798.4 LOGGED BY CZH DATE 2-19-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Carbonaceous siltst + Lignite, DK Gry to BlK, Calc, Silicified, w/ Intbdd Brn Calc Tuff and Grn siltst/mdst

Silicified Siltst, Gry Grn, Calc

Carbonaceous siltst, DK Gry, Thin Lignitic Layers, Silicified

SS + Intbdd Grn Siltst/mdst, Many pebbles of Granitic and Metamorphic origin, Ang to Sub Ang Calcite Cmt, Sorting Poor, Grn to Tan Grn, Med to Crs

Siltst, Tan, Sndy

SS + Intbdd Grn Siltst, V. Crs to Med as Above
– Carbonaceous Material

Carbonaceous siltst + Lignite, DK Grn to BlK, Trace Silicification,

V. Crs SS, No Volcanic Frags, Tan Grn

Andesitic Volcanics ??

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-486

LOCATION	ANDERSON MINE		
COUNTY	Yavapai	STATE	ARIZ.
GP. 1,201,813.8 N–641,798.4 E		ELEV.	2002
SEC.	TWP.	RGE.	
DATE	2/19/77		
DEPTH DRILLED	780'		
DEPTH LOGGED	729'		
FOOTAGE LOGGED	774'		
HOLE DIAMETER	5⅝" To 780		
WATER FACTOR			
RESISTIVITY	OHMS/INCH		
SELF POTENTIAL	M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	700'	515'	450'
TOP	690'	490'	440'
TOTAL FEET	10'	25'	10'
SCALE RUN	1K=1000CPS/IN.	2.5K=2500CPS/IN.	1K=1000CPS/IN

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	Scint
K-FACTOR	5.7
DEAD TIME	7.14 microsec.
TIME CONSTANT	1
PROBE DIA.	1⅝"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Jim
CONTRACTOR	Roberts
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT ANDERSON MINE HOLE SIZE 3.95" ☒ AIR ☐ WATER HOLE NO. 486C

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY LUCHI DATE 7 OCT 77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						~~441~~ 435- 441' 6" M. GREENISH GRAY CLAY
	20					441'6" - 442 CARBONACEOUS SILT
						442 - 442' 7" GRAY SILT
	40					442'7" - 445' 2" LIGNITE
③						445'2" - 446' GRAY SILT
	60					446' - 449'2" LIGNITE
	80					449'2 - 453'1 LIMY SILT
	00					453'1" - 455'2" LOST
	20					END OF CORE INTERVAL
	40					486' - 491'6" GREEN CLAY
	60					491'6" - 492' LIGNITE
	80					492 - 493' CARBONACEOUS SHALE
	00					493 - 496'4" LIGNITE
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

CORE LITH LOG AM 486C

496'-496'4" Lignite

496'4"-498'6" LS, Brn, Carbonaceous?

498'6"-499'8" Lignite + Carbonaceous Sltst Gry to Blk to Gry Brn Calc

499'8"-505' Ls Gry to Gry Brn Carb Com to Abunt

505'-513' Carbonaceous Sltst + Lignite, DK Gry to Blk, Thin Intbdd Grn Sltst at 511

513'-513'6" Sltst/Mdst Grn Calc

513'6"-518'6" LS, Gry to Wht, Carb Chunks in upper half,

518'6"-520' Carbonaceous to Sub Carbonaceous Sltst Grn to DK Grn Silicious inclusions

DIAMOND DRILL LOG

HOLE No. AM-486C SHEET 1 OF 1

SCALE 1" = 10' STARTED ____ STOPPED ____ NOTES BY R.L. SHEKER 10/77

DEPTH 435-455, 486-495.7 BEARING ____ INCLINATION ____

PROPERTY Anderson COUNTY ____ STATE AZ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
		400			Note: colors wet angles HCl : 10%			
		410						
		420						
		430			NO CORE			NO CORE
					435			435
		440			435-442 Pale olive siltstone 10Y6/2, locally micaceous, sparse blebs & stringers of yellow-green clay bedding 10° dip 442-444.6 Grayish green claystone 10GY5/2 with abundant streaks and zones of carbonaceous matter, fine-gr. pyrite in black zones. 444.6 Intebedded Dusky yellowish brown 10YR2/2 siltstone and dark greenish gray 5G4/1 mudstone, mudstone frags. in siltstone, weak HCl rx, Carbonaceous zones with twigs & pyrite, Gastropods and ostracods? at 445.5 to 448. Splotchy $CaCO_3$ cement at 449.6	441.5 1" carbonaceous matter		Mudstone with carbonaceous zones
		450			449 light olive gray 5Y6/1 to yellowish gray 5Y8/1, fine gr. with ± 3mm clay & silica clots 451 Dusky yellow gray 5GY5/2, chalcedony vugs and veins at 452.5 ± weak pervasive silicification			449 sandstone siltstone 451
					453.1			453.1 NO CORE
					455.2			455
		460						
		470			NO CORE			NO CORE
		480						
					486			486
		490			Bedding ± 7° dip, pyrite <1 vol % as disem grains or as agg. Regates of very fine grains with organic matter. 491.2 1" carbonaceous zone 493-494 carbonaceous zone 494 Devitrified tuff with diatoms & leaf (parallel veined) impression			mudstone - grayish olive green 5GY3/2 claystone - and very fine siltsto 494
					494.5			Lignite
					496.7			495.
		500			NO CORE			NO CORE

DIAMOND DRILL LOG

SCALE 1"=10'
STARTED
STOPPED
NOTES BY K TAYLOR 10/77

DEPTH 495.7-520
BEARING
INCLINATION

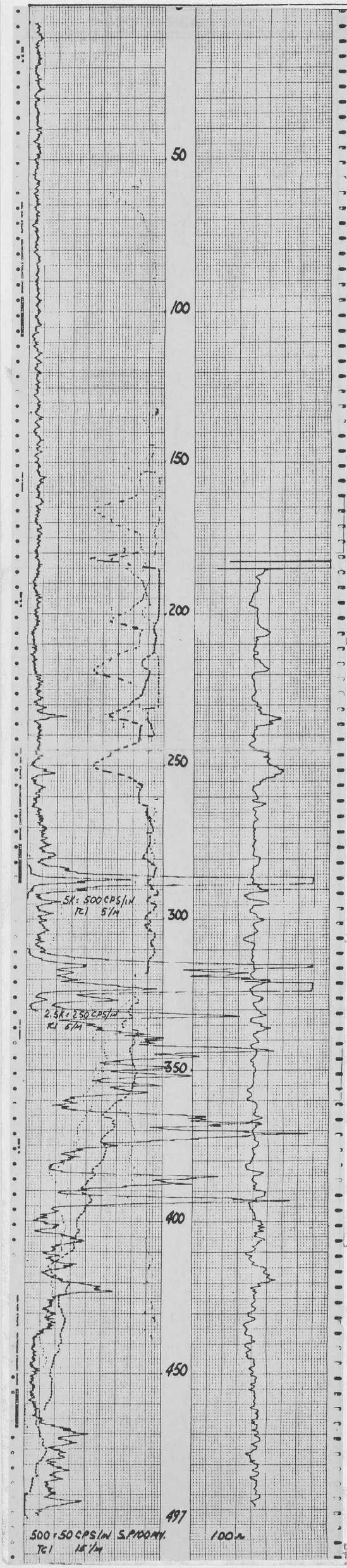
HOLE No. AM 486 C
SHEET 1 OF 1
PROPERTY ANDERSON
COUNTY
COLLAR COORD. N.
COLLAR ELEV.
STATE AZ
E.

ASSAYS	% RECOV.	DEPTH 450	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
					Note: all colors wet angles ⊣⊢ α HCl 10%			
		460						
		470						
		480						
		490			AM 486 C 435-495.7' logged by Sherer			
			495.7					495.7
					- no HCl rx carbonaceous zone siliceous lenses along bedding (1mm) - 496.6 thin tan siltstone beds strong HCl rx (1½") - 498-502 no HCl rx carbonaceous zone			siltstone - olive black 5Y 2/1 to dark yellowish brown 10YR 4/2; carbonaceous zones; gastrofods; shell fragments; calcareous cement (moderate HCl rx); siliceous clots, local white siliceous lens bedding 10° dip; well lithified
		500			- 500.1 2½" white siltstone no HCl rx - 503.1 -511 carbonaceous zone w/beds/clots - 508.6 1' siliceous clots horizontal bedding			
		510	511.8					511.8
					- 513.4 5' calcareous cement moderate HCl rx cherty nodules (1-4mm) dark very fine grained pyrite - calcareous clots carbonaceous thin horizontal beds			siltstone - greyish olive green 5GY 3/2 to light olive grey 5GY 6/1 carbonaceous zones fossil frags
		520				no core		520'

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 487

ELEVATION 1819 NORTH 1,202,383.0 EAST 639,752.4 LOGGED BY CZH DATE 3-15-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 505 P.D. ____



DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
					Cgl, QAL, Brn, Volcanic + Granitic Pebs
					Cgl, Red Brn, Bake Zone, Sndy
20					SS, Tan, W/ V. Crs Pebs, Fine Sorting Poor
40					SS, Brn, Pebs, Granitic
60					SS, Cgl, Tan, Granitic
80					SS, Brn, Fine to Med
00					SS, Tan
20					SS Brn
40					SS Tan
60					SS, Brn, Slty
80					SS, Brn Tan, Slty
200					Sltst, Tan, Sndy
20					– V. Sndy
40					Sltst, Grn, Silicified, W/ Wht Calc Tuff or Ls
60					Wht Calc Tuff or Ls, W/ Red Brn Chert
80					Sltst, Tan Grn, Bentonitic, Trace Silicification, W/ Trace Red Brn + Brn Chert
300					Carbonaceous Sltst + Lignite DK Gry to Blk W/ Intbdd Silicified Sltst, Bentonite + Wht Calc Tuff.
00					Silicified Sltst, Gry Grn, Lt Brn Chert, Gry Grn Sub-Chert
20					
40					
60					Carbonaceous Sltst + Lignite Blk to DK Gry Silicified, Calcareous, W/ Intbdd DK Grn Sltst/Mdst, Brn Calc Tuff or Ls,
80					
400					
20					Lignite + Silicified Sltst + Wht Gry Calc Tuff, Gry Grn to Gry
40					Sltst + Lignite, Sltst Grn + Red Brn, Lignite Blk
60					Sltst Red Brn, No Volcanics
80					Intbdd Carbonaceous Sltst + SS, Hole Caving at Top, Sample Contamination
500					SS Fine W/ Volcanic Frags ~~[illegible]~~ Gry Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE	HOLE NO.	AM 487
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	1,202,383.0N-639,752.4E	ELEV.	1819
SEC.		TWP.	ROE
DATE	3-15-77		
DEPTH DRILLED	505		
DEPTH LOGGED	497		
FOOTAGE LOGGED	528		
HOLE DIAMETER	5		
WATER FACTOR			
RESISTIVITY	100	OHMS/INCH	
SELF POTENTIAL	100	MV/IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	330	293	
TOP	310	282	
TOTAL FEET	20	11	
SCALE RUN	2.5K: 250 CPS/IN	5K: 500 CPS/IN	

GAMMA SCALE	500: 50 CPS/IN
PROBE TYPE	SONT
K-FACTOR	5.70 x 10^5
DEAD TIME	7.14 μ
TIME CONSTANT	1
PROBE DIA.	1.5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	PETERLING
DRILLER	FREDDY
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT ANDERSON MINE HOLE SIZE ☒ AIR ☐ WATER HOLE NO. AM 488

ELEVATION 1673 NORTH 1,205,403.2 EAST 638,046.2 LOGGED BY LUCHT DATE 1 MAR 77

SECTION TOWNSHIP RANGE T.D. 300 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					LT BRNISH GRAY, VOLCANIC TUFF. ABUNDANT DARK MINERAL — HORNBLENDE OR TOURMALINE.
	40					DARK BROWN TUFF AS ABOVE W/ SOME REDDISH WEATHERING PRODUCTS?
50	60					LT BROWN TUFF
	80					
100	00					LT BLUISH GRAY TUFF ABUNDANT MAFICS
	20					
	40					LT BROWN TUFF
150	60					
	80					LT BLUISH GRAY TUFF W/ ABUNDANT MAFICS
200	00					
	20					
	40					
250	60					M. REDDISH BROWN WEATHERED TUFF
	80					V. HARD DK RED TUFF W/ BLACK VOLCANICS + B. QUARTZ
296	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					

500# 50 CPS/IN
TC1 15"/M

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP.: 1,205,403.2N-638,046.2E ELEV. 1673

SEC. TWP. RGE.

DATE	3-1-77
DEPTH DRILLED	300
DEPTH LOGGED	296
FOOTAGE LOGGED	296
HOLE DIAMETER	5 5/8
WATER FACTOR	"
RESISTIVITY	" OHMS/INCH
SELF POTENTIAL	MV./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

HOLE NO. AM 488

GAMMA SCALE	500:50CPS
PROBE TYPE	SCINT
K-FACTOR	5.70 x 10-5
DEAD TIME	7.19 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	FREDDY
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS: VALIDATION #1	

PROJECT Anderson Mine HOLE SIZE ☑ AIR ☐ WATER HOLE NO. AM 489

ELEVATION 1682 NORTH 1,205,424.5 EAST 638,461.5 LOGGED BY CZH DATE 3-1-77

SECTION TOWNSHIP RANGE T.D. 175 P.D.

AM 489A 65'

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Cgl, V. Crs, Qal, Granitic + Volcanic
	20					
	40					Tuff, Biotite, Qtz, Tourmaline? lt Gry
50.						
	60					Tuff, DK Gry, as Above
						Tuff, Gry, as Above
	80					
100.	100					
	20					Tuff, Pink Gry, Red Qtz or Red Stain?
	40					
150.						
164'	60					
	80					
	200					
	20					
	40					
	60					
	80					
	300					
	20					
	40					
	60					
	80					
	400					
	20					
	40					
	60					
	80					
	500					
	20					
	40					
	60					
	80					

500 = 50CPS/IN
TC1 1S/IN

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1205,424.5N-638,461.5 ELEV. 1682

SEC. TWP. RGE.

DATE	3-2-77
DEPTH	
DEPTH LOG	168
FOOTAGE LOG	
HOLE DIAMETER	164
WATER FACTOR	
RESISTIVITY	
SELF POTENTIAL	
REMARKS	
BOTTOM	
TOP	
TOTAL PRINT	
SCALE 1/1000	

HOLE NO.	AM 489
GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	5.70 x 10^-5
DEAD TIME	7.19 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

		3RD. RUN

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. AM490

ELEVATION 1725 NORTH 1,207,303.7 EAST 643,042.0 LOGGED BY CZH DATE 3-1-77

SECTION TOWNSHIP RANGE T.D. 200 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0						Qal Cgl, Granitic + Volcanic Frags, Lt Tan, Crs Silty
	20					
						Siltst, Grn Tan, Sndy
	40					
50						Siltst, Gry to Lt Tan, Bentonitic Sndy w/Qtz + Volcanic Frags
						Siltst, Grn Tan to LT Grn, Sndy
	60					
						Siltst, Volcanic Frags Com,
	80					
						Siltst, Brn, Volcanic Frags, Paleo Sol?
100	100					Volcanic Flow, DK Gry
						SS, Silty Lt Tan Yel
	20					
	40					
150						SS or Tuff, Gry, Biotite, Tourmaline or Hornblend, Sndy, Qtz
	60					
	80					
195						SS, LT Brn, Qtz grains Red or Red Stained
500 = 50CPS/in TC1 15"/in	200					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE		HOLE NO.	AM 490
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,207,303.7N-643,042.0E	ELEV. 1725	PROBE TYPE	SCINT.
SEC.	TWP. RGE.	K-FACTOR	5.70 X 10-5
DATE	3/2/77	DEAD TIME	7.18μ
DEPTH DRILLED	200	TIME CONSTANT	1
DEPTH LOGGED	195	PROBE DIA.	1 5/8
FOOTAGE LOGGED	195	CALIPER	
HOLE DIAMETER	5 5/8	DIRECTIONAL SURVEY	
WATER FACTOR	–	TEMPERATURE	
RESISTIVITY	– OHMS/INCH	OPERATOR	KETTERLING
SELF POTENTIAL	– M.V./IN.	DRILLER	FREDDY
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	CONTRACTOR	BOYLES BROS.
BOTTOM		LAST A.E.C. PIT RUN	
TOP		FLUID LEVEL	
TOTAL FEET		REMARKS:	
SCALE RUN			