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Century Geophysical Corporation
Tulsa, Oklahoma

1,203,719.3N - 640,551.2E
Elev. 1904

C-366-6

COMPANY	MINERALS EXPLORATION
BORE HOLE	AM#391
AREA	ANDERSON MINE
COUNTY	YAVAPAI
STATE	ARIZONA
SECTION	11N
TOWNSHIP	10W
RANGE	
LOG MEASURED FROM	GROUND LEVEL
DATE	12-14-76
HOLE NO.	
SEC. / TWP. / RANGE	
AREA	
COUNTY	
STATE	
COMPANY	
DATE	
TOTAL FOOTAGE LOGGED	310'
T.D. DRILLED	320' Ft.
BIT SIZE	5 5/8 In.
CASING	
BORE HOLE FLUID	H2O LEVEL - 141'
DENSITY	
VISCOSITY	
RESISTIVITY	
OPERATOR	J. DONALD
UNIT NO.	7545
LOCATION	GRANTS
DRIVE	
TIME IN	17:00 Hrs.
STAND BY	Hrs.
TIME OUT	19:30 Hrs.
LOGGING	.5 Hrs.
TOTAL	5 Hrs.
ROUNDTRIP MILEAGE	Miles
CHARGEABLE STANDBY	Hrs.

INITIAL RUN			
T.D. LOGGED	295'		
GAMMA SCALE	500cps - 50 Cps. Per In.		
TIME CONSTANT	2	LOGGING SPEED 20 Ft./Min.	
CALIBRATION & PROBE DATA	2.5Kcps/IN TC. 1	SOURCE VALUE 4 mcr	
SOURCE NO.	8-70-6		
PROBE NO.	8010-205	PROBE SIZE 1 3/4 In.	
DETECTOR	XSTAL	TYPE & SIZE 7/8 x 1 1/4	
DEAD TIME	0.00	K FACTOR 1.59×10^{-5}	
WATER FACTOR	1.15	AIR FACTOR 1.00	
RES. SCALE	100 ohms per 5 inches		
S.P.	MV/In.		

GAMMA RERUNS (Initial run offscale)

SCALE	10K - 1K Cps. Per In.		
T.C.	1 Sec.	LOGGING SPEED 5 Ft./Min.	
FROM	240' Ft.		
TO	225' Ft.		
TOTAL	15'		

SCALE	- Cps. Per In.		
T.C.	Sec.	LOGGING SPEED Ft./Min.	
FROM	Ft.		
TO	Ft.		
TOTAL			

SCALE	- Cps. Per In.		
T.C.	Sec.	LOGGING SPEED Ft./Min.	
FROM	Ft.		
TO	Ft.		
TOTAL			

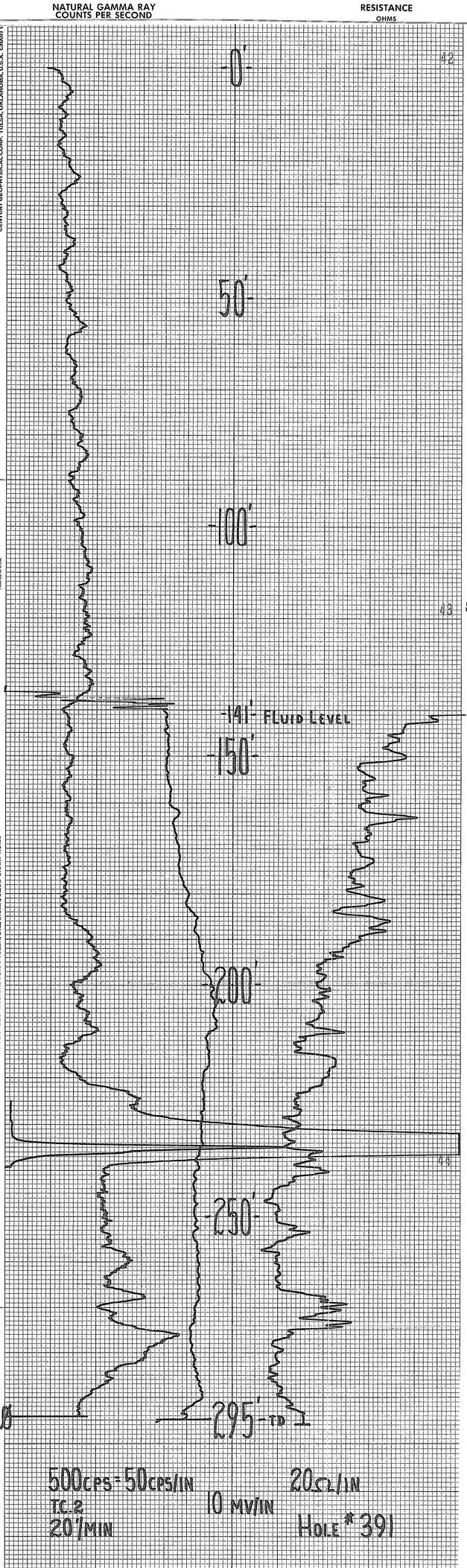
SELF POTENTIAL

− 10 MV 0 +

DENSITY

NATURAL GAMMA RAY COUNTS PER SECOND

RESISTANCE OHMS



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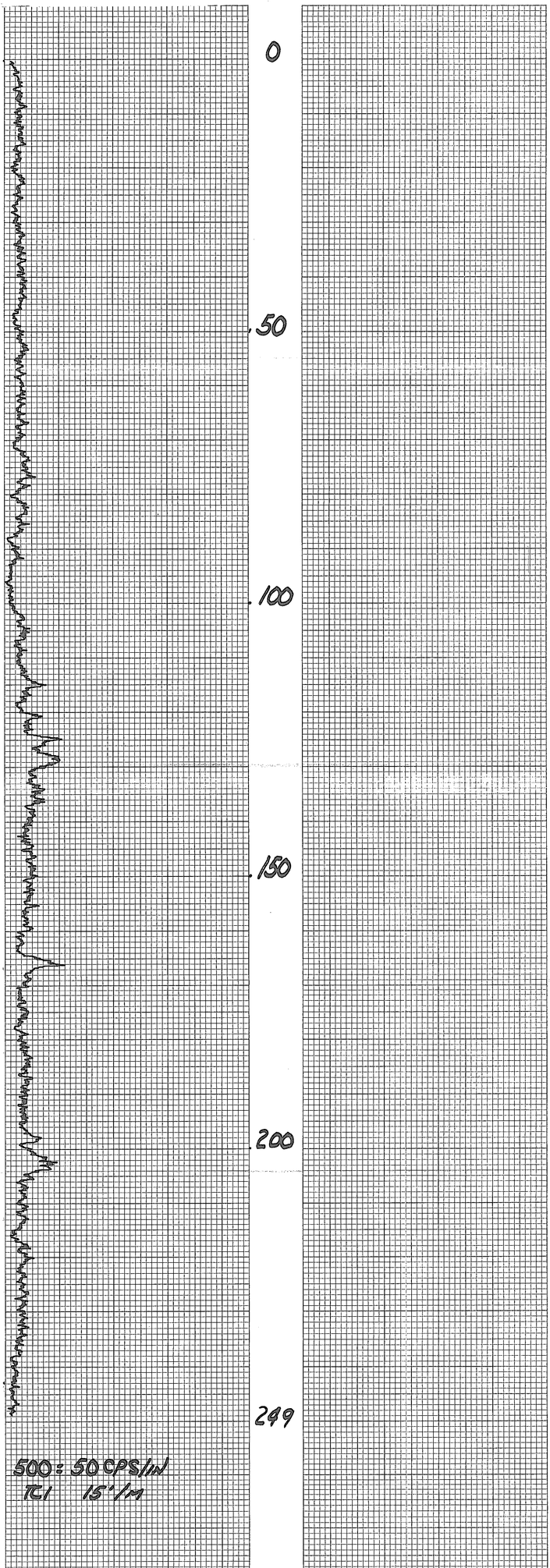
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 392

LOCATION ANDERSEN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. ~~1,203,994.9N=640,173.4E~~ 1206417.63N 865528.81E	ELEV. 1896		
SEC.	TWP.	RGE.	
DATE	3-7-77		
DEPTH DRILLED	255		
DEPTH LOGGED	249		
FOOTAGE LOGGED	249		
HOLE DIAMETER	5 5/8		
WATER FACTOR	-		
RESISTIVITY	- OHMS/INCH		
SELF POTENTIAL	- M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70×10^{-5}
DEAD TIME	7.19
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:	



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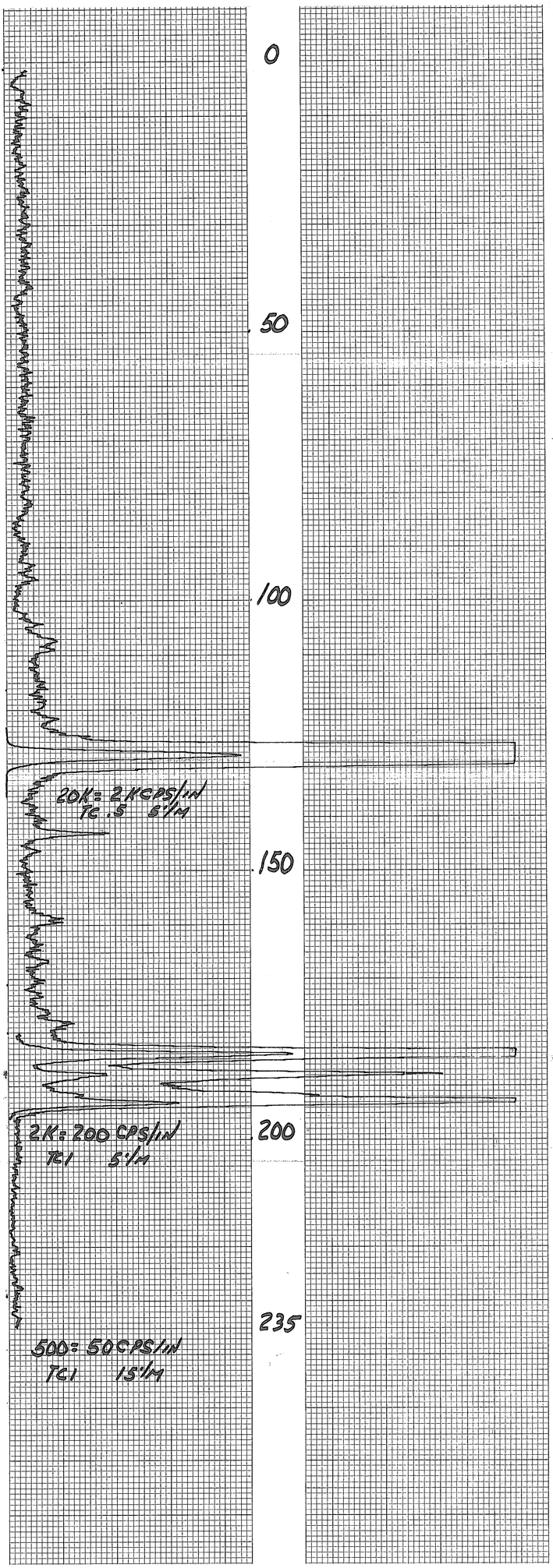
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM 393
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	1,203,858.1N-639,845.9E	ELEV.	1860
SEC.	1206 286.53N 86 199.40E	TWP.	RGE.
DATE	3-7-77		
DEPTH DRILLED	240		
DEPTH LOGGED	236		
FOOTAGE LOGGED	264		
HOLE DIAMETER	5 5/8		
WATER FACTOR	-		
RESISTIVITY	-	OHMS/INCH	
SELF POTENTIAL	-	M.V./IN.	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	196	136	
TOP	180	123	
TOTAL FEET	16	13	
SCALE RUN	2K=200CPS/IN	20K=2KCPS/IN	

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	5.70X10-5
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:	



MINERALS EXPLORATION CO.

CASPER, WYOMING

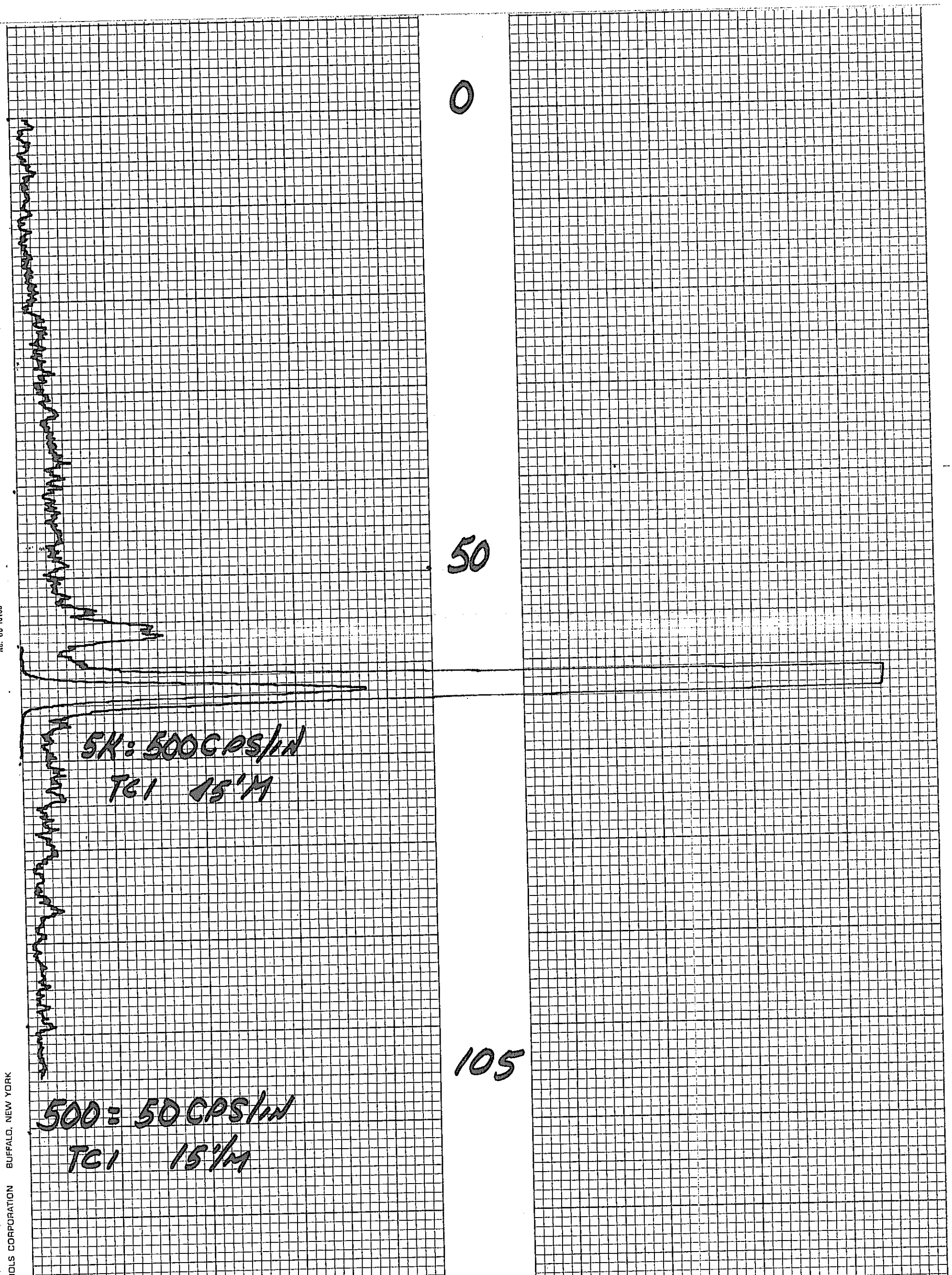
HOLE NO. AM 394

LOCATION	ANDERSEN MINE
COUNTY	YAVAPAI
STATE	ARIZONA
GP.	~~1,204,166.5N 640,388.3E~~ 1206585.74N 86746.87E
ELEV.	1827
SEC.	
TWP.	
RGE.	

DATE	3-6-77
DEPTH DRILLED	105
DEPTH LOGGED	105
FOOTAGE LOGGED	118
HOLE DIAMETER	5 5/8
WATER FACTOR	-
RESISTIVITY	- OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	70		
TOP	57		
TOTAL FEET	13		
SCALE RUN	5K=500CPS/IN		

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	5.70x10-5
DEAD TIME	7.14μ
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:	



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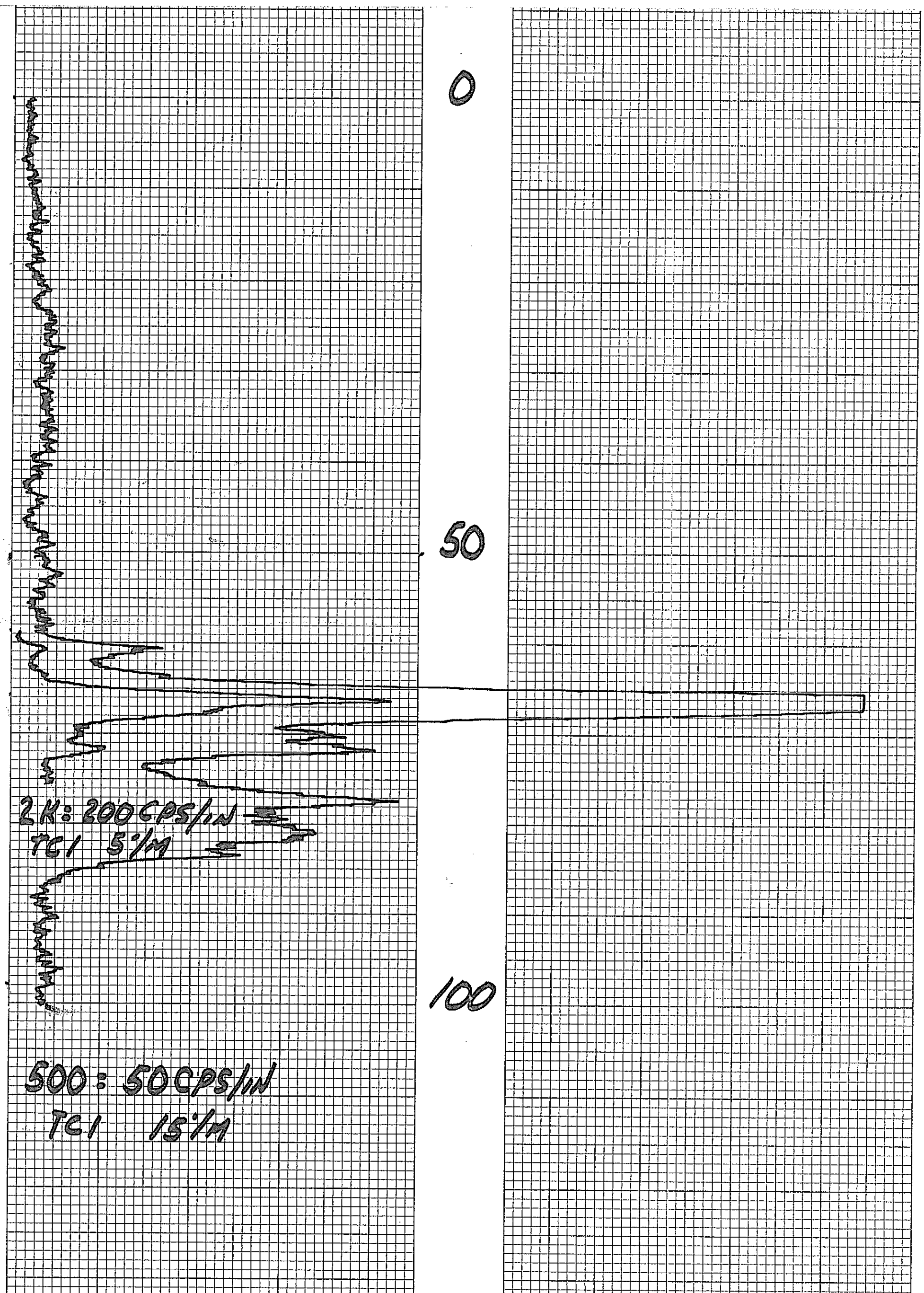
CASPER, WYOMING

HOLE NO. AM 395

LOCATION ANDERSEN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. ~~1,204,006.4N 640,611.9E~~ 1206 420.74N 86967.94E	ELEV. 1819		
SEC.	TWP.	RGE.	
DATE	3-6-77		
DEPTH DRILLED	110		
DEPTH LOGGED	100		
FOOTAGE LOGGED	116		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	-	OHMS/INCH	
SELF POTENTIAL	-	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	75		
TOP	59		
TOTAL FEET	16		
SCALE RUN	2K=200CPS/IN		

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	5.70 x 10-5
DEAD TIME	7.19μ
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:	



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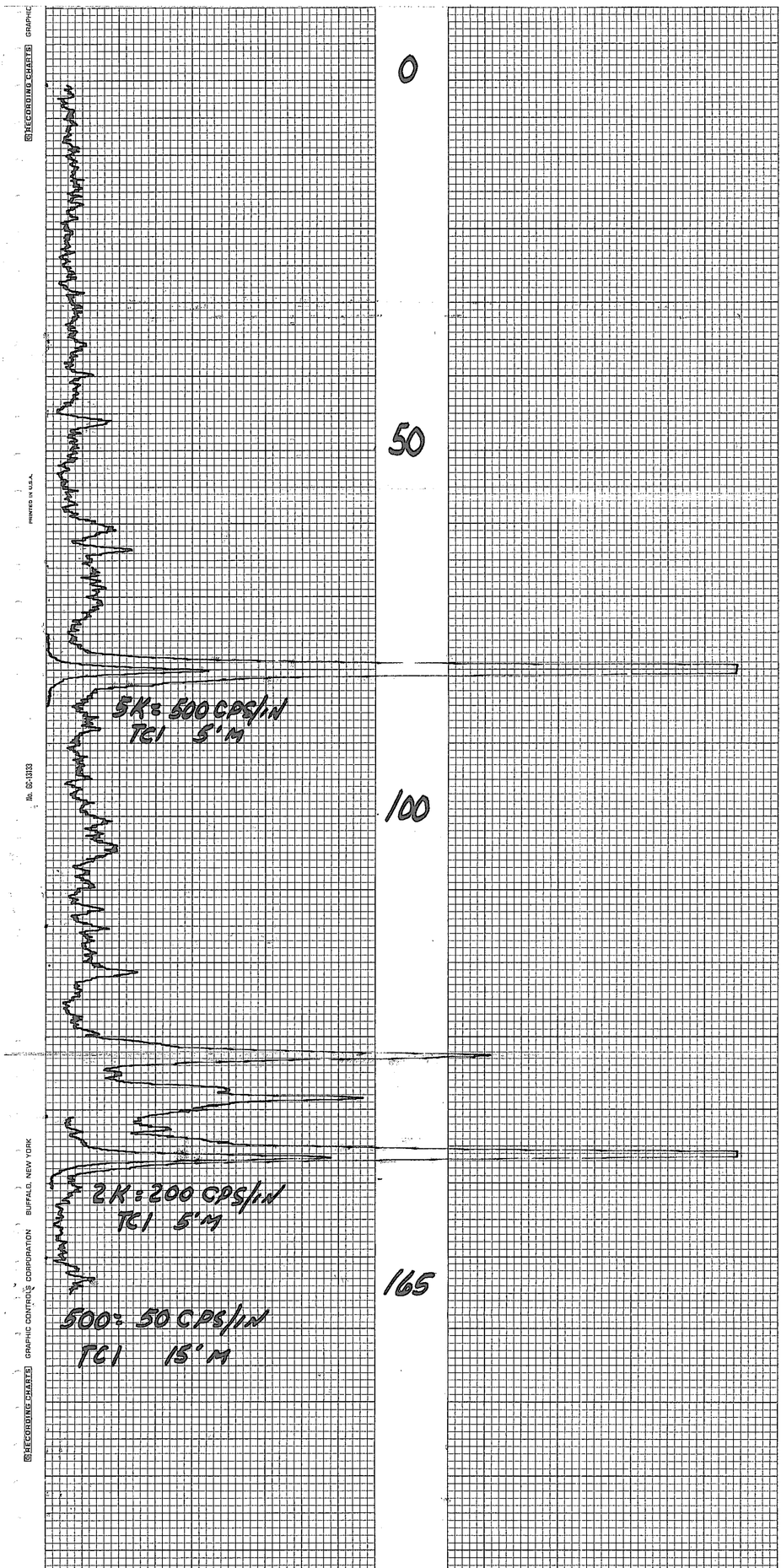
CASPER, WYOMING — **HOLE NO.** AM 396

LOCATION ANDERSEN MINE		**GAMMA SCALE**	500=50CPS/IN
COUNTY YAVAPAI	**STATE** ARIZONA	**PROBE TYPE**	SCINT.
GP. ~~1,203,352.2N 639,629.9E~~ 1205 784.49N	**ELEV.** 1770	**K-FACTOR**	5.70×10^{-5}
		DEAD TIME	7.19 μ
		TIME CONSTANT	1
SEC. 85	**TWP.** 974.34E **RGE.**	**PROBE DIA.**	1 5/8
DATE	3-17-77	**CALIPER**	
DEPTH DRILLED	165	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	165	**TEMPERATURE**	
FOOTAGE LOGGED	185	**OPERATOR**	RETTERLING
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	181	85	
TOP	191	75	
TOTAL FEET	10	10	
SCALE RUN	2K=200CPS/IN	5K=500CPS/IN	

REMARKS:



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MINERALS EXPLORATION CO.

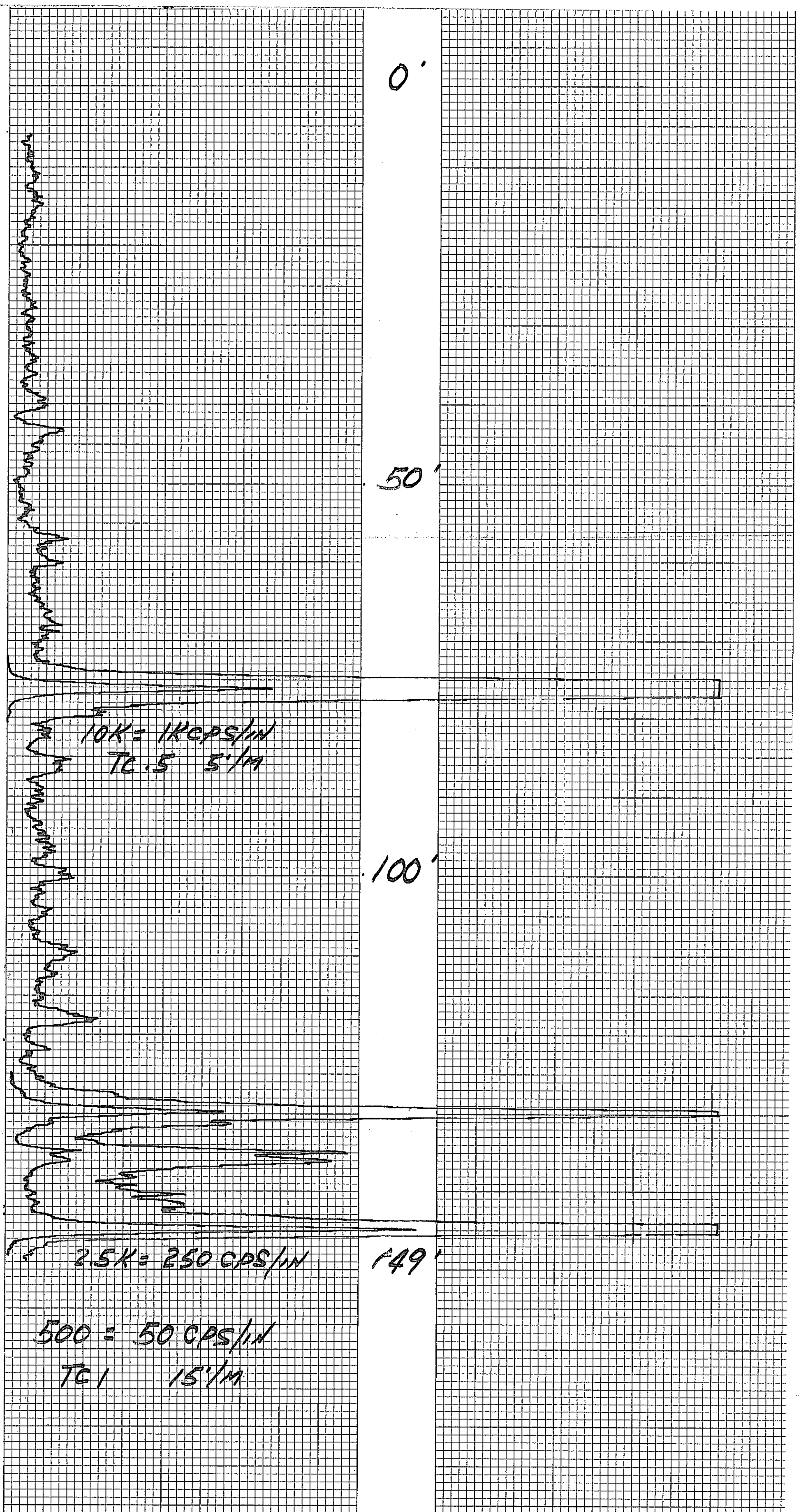
CASPER, WYOMING

HOLE NO. AM 396-

LOCATION	ANDERSEN MINE	GAMMA SCALE	500 = 50 CPS
COUNTY	YAVAPAI STATE ARIZ	PROBE TYPE	SCINT
GP.	ELEV.	K-FACTOR	5.96 x 10 -5
		DEAD TIME	7.52 μs
SEC.	TWP. RGE.	TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	10-27-77	CALIPER	
DEPTH DRILLED	151'	DIRECTIONAL SURVEY	
DEPTH LOGGED	149'	TEMPERATURE	
FOOTAGE LOGGED	181'	OPERATOR	KETTERLING
HOLE DIAMETER	9"	DRILLER	SCOTT
WATER FACTOR	1.10	CONTRACTOR	BOYLES BR
RESISTIVITY	- OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	150'?

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	149	82	
TOP	126	73	
TOTAL FEET	23'	9	
SCALE RUN	2.5K = 250CPS	10K = 1KCPS/IN	

REMARKS: LOG THROUGH M
CASING FROM 139
CASING FACTOR 1.4



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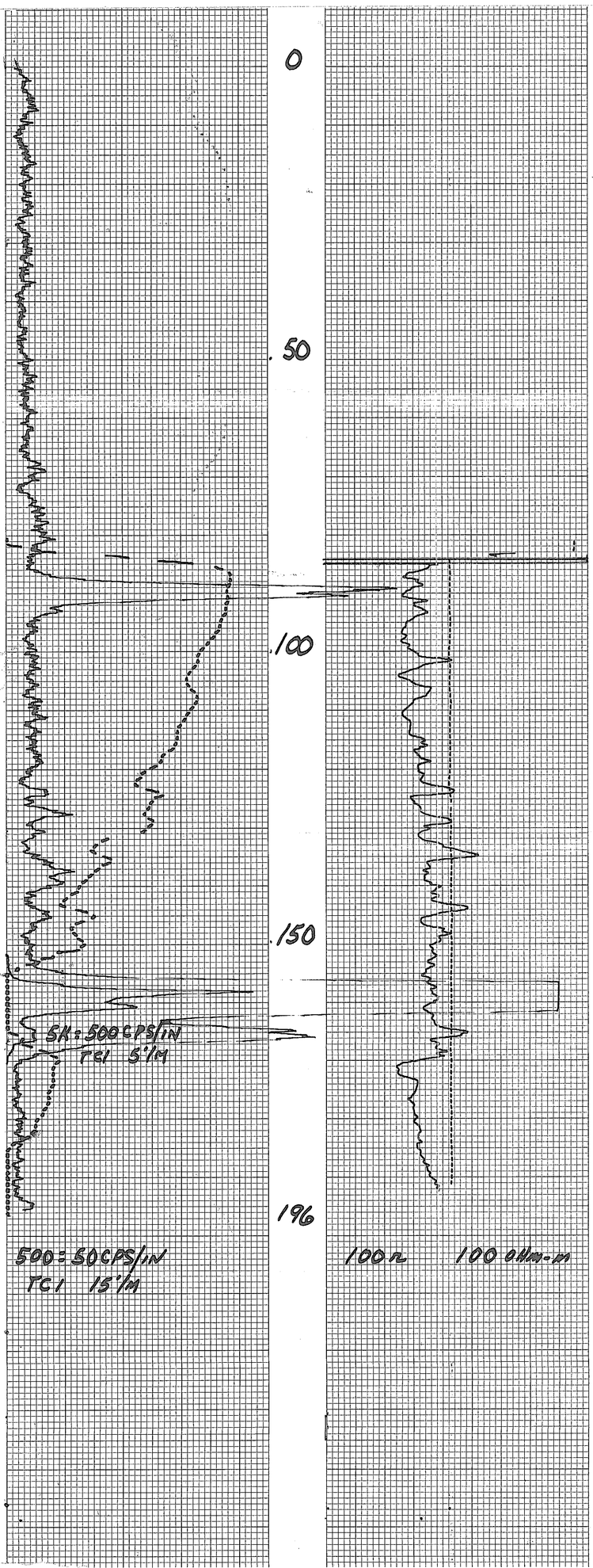
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 397

LOCATION ANDERSEN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. ~~1,203,393.3N 639,762.4E~~ 1205823.11N 86107.06E	ELEV. 1774		
SEC.	TWP.	RGE.	
DATE	3-8-77		
DEPTH DRILLED	200		
DEPTH LOGGED	196		
FOOTAGE LOGGED	214		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	100	OHMS/INCH 100 OHM-M	
SELF POTENTIAL	100	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	170		
TOP	152		
TOTAL FEET	18		
SCALE RUN	5K=500CPS/IN		

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	5.70 x 10-5
DEAD TIME	7.14u
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:	



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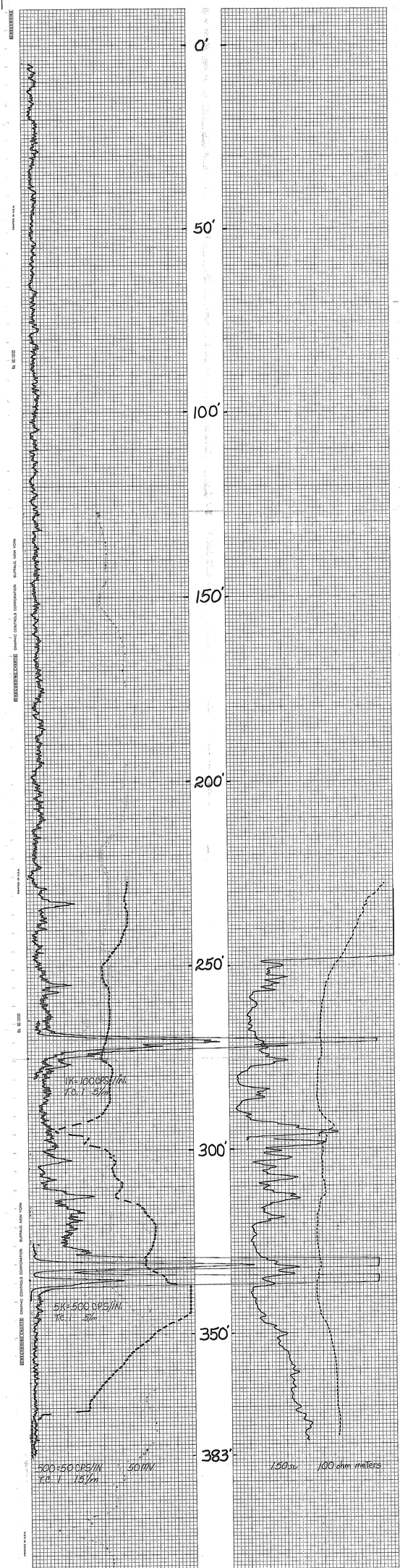
MINERALS EXPLORATION CO.

CASPER, WYOMING — **HOLE NO.** AM-398

LOCATION	ANDERSON MINE	**GAMMA SCALE**	500=50 CPS/IN.
COUNTY	Yavapai **STATE** ARIZ.	**PROBE TYPE**	SCINT.
GP.	~~1,203,376.5N 640,034.5~~ E 1205802.21N **ELEV.** 1917	**K-FACTOR**	$5.7^{10^{-5}}$
		DEAD TIME	7.14 μ secs.
		TIME CONSTANT	1
SEC.	86 379.72E **TWP.** **RGE.**	**PROBE DIA.**	1⅝"
DATE	2/20/77	**CALIPER**	
DEPTH DRILLED	385	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	383	**TEMPERATURE**	
FOOTAGE LOGGED	413	**OPERATOR**	Hudson
HOLE DIAMETER	5⅞" To 385	**DRILLER**	Church
WATER FACTOR		**CONTRACTOR**	Roberts
RESISTIVITY	OHMS/INCH	**LAST A.E.C. PIT RUN**	
SELF POTENTIAL	M.V./IN.	**FLUID LEVEL**	

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	340'	280'	
TOP	325'	265'	
TOTAL FEET	15'	15'	
SCALE RUN	5K=500 CPS/IN.	1K=100 CPS/IN.	

REMARKS:



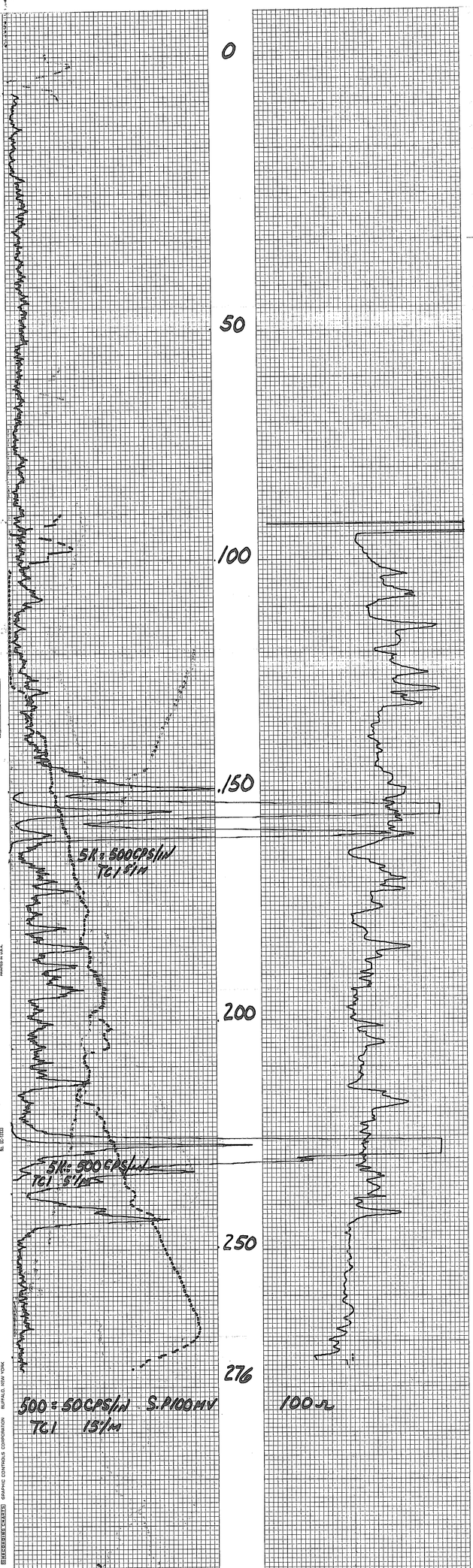
MINERALS EXPLORATION CO.

CASPER, WYOMING — **HOLE NO.** AM 399

LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. ~~1,203,216.2N 639,768.3E~~ 1205646.03N	ELEV. 1778	K-FACTOR	5.70x10-5
		DEAD TIME	7.14μ
		TIME CONSTANT	1
SEC. 86109.87E TWP.	RGE.	PROBE DIA.	1 5/8
DATE	3-8-77	CALIPER	
DEPTH DRILLED	280	DIRECTIONAL SURVEY	
DEPTH LOGGED	276	TEMPERATURE	
FOOTAGE LOGGED	301	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	FREDDY
WATER FACTOR	1.22	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
BOTTOM	234	163	
TOP	222	150	
TOTAL FEET	12	13	
SCALE RUN	5K=500CPS/IN	5K=500CPS/IN	

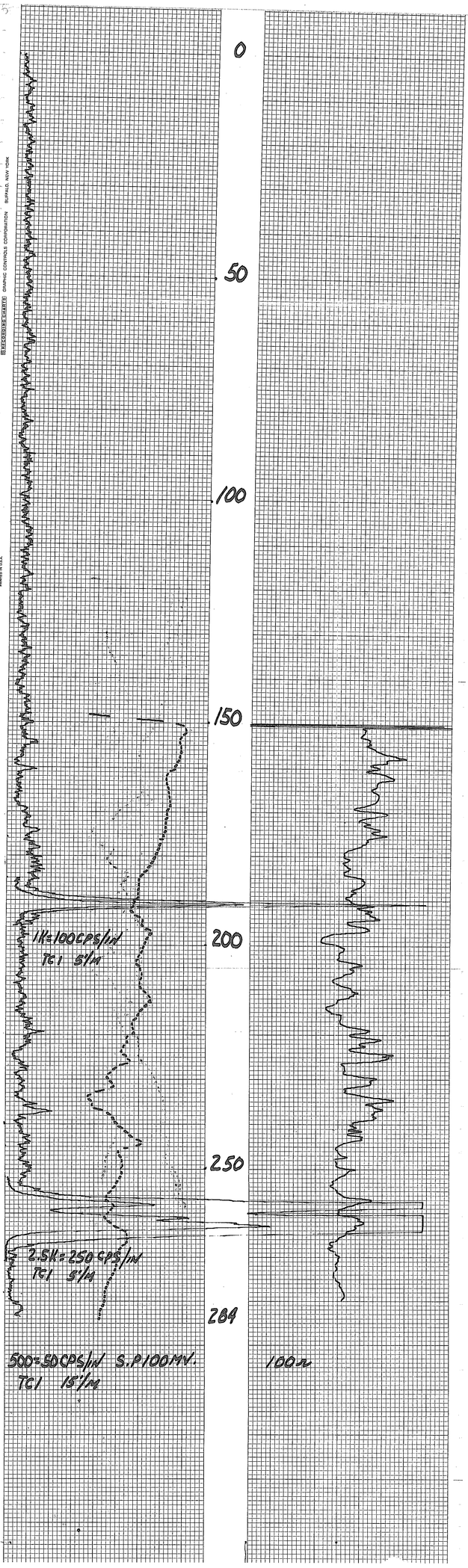
REMARKS:



MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM 400
COUNTY	YAVAPAI STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP.	~~1,203,217.0N 639,413.5E~~ 1305650.86N	PROBE TYPE	SCINT.
ELEV.	1828	K-FACTOR	5.70×10^{-5}
SEC.	85785.94E TWP. RGE.	DEAD TIME	7.14μ
DATE	3-16-77	TIME CONSTANT	1
DEPTH DRILLED	300	PROBE DIA.	1 5/8
DEPTH LOGGED	284	CALIPER	
FOOTAGE LOGGED	314	DIRECTIONAL SURVEY	
HOLE DIAMETER	5	TEMPERATURE	
WATER FACTOR		OPERATOR	KETTERLING
RESISTIVITY	100 OHMS/INCH	DRILLER	FREDDY
SELF POTENTIAL	100 M.V./IN.	CONTRACTOR	UNIVERSAL
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	271 / 196	FLUID LEVEL	
TOP	252 / 185	REMARKS:	
TOTAL FEET	19 / 11		
SCALE RUN	2.5K=250CPS/IN / 1K=100CPS/IN		

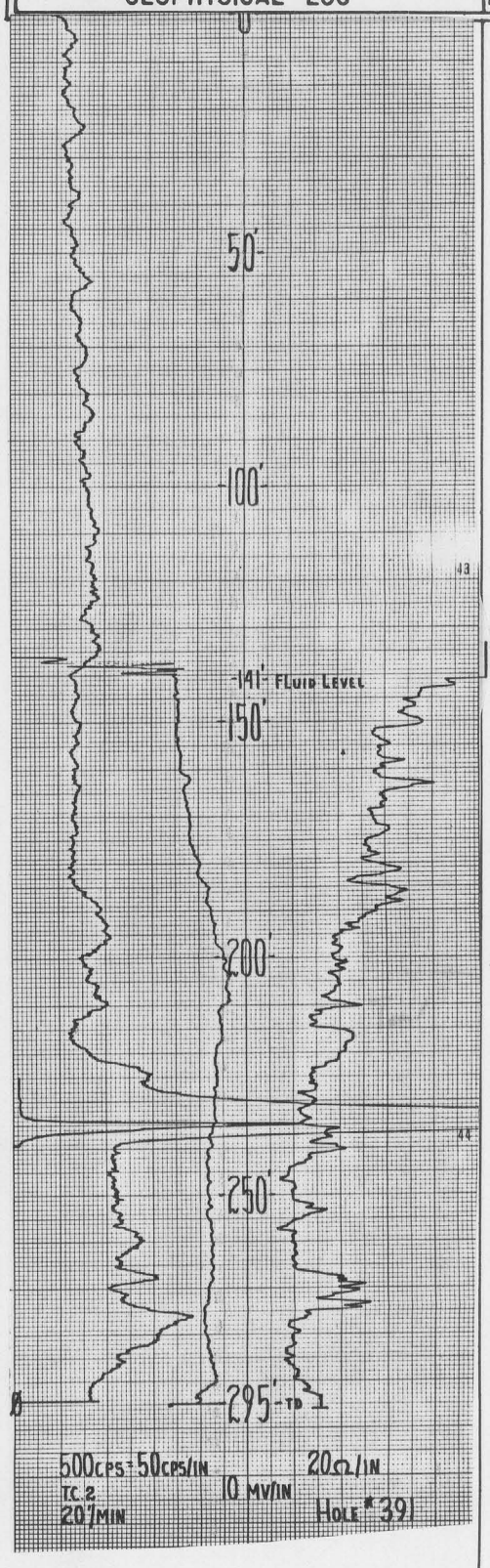


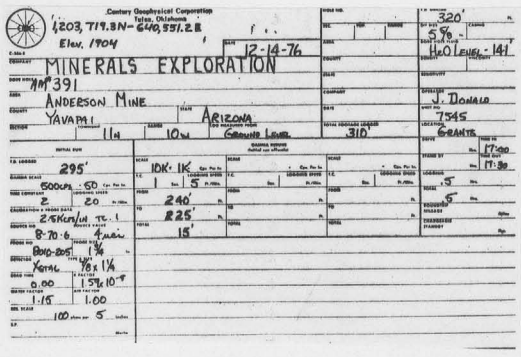
PROJECT Anderson Mine **HOLE SIZE** 5 5/8 ☐ AIR ☒ WATER foam **HOLE NO.** AM-391

ELEVATION 1904 **NORTH** 1,203,719.3 **EAST** 640,551.2 **LOGGED BY** DBD **DATE** 12-14-76

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 320 **P.D.** _____

GEOPHYSICAL LOG





STRIP LOG

DEPTH	LITHOLOGY LOG
	0-25 vcg conglomerate w/ common granitic frags. med brn in color.
20	25-45 lt. brn sandstn/siltstn. w/ common cong.
40	45-60 med brn cong w/ common siltstn : Common cong w/ granitic material.
60	60-75 orange brn sandstone w/ common siltstn.
80	75-120 med brn siltstone w/ common sandstn.
100	
120	120-180 orange brn sandstone w/ common siltstn stringers. tr-com. bentonite
140	
160	
180	180-200 med brn siltstn w/ common sandstone
200	200-210 lt. gry brn siltstn w/ common siltstn
	210-225 lt brn-gry siltstn w/ common bentonite
220	225-235 lt. olive gry siltstn. w/ common siltstn.
240	235-255 dk gry siltstn w/ common carbonaceous siltstn and silicified dk gry gry siltstn
260	255-280 brn-gry silicified siltstn w/ common bentonite
280	280-290 lt olive gry siltstn w/ abundant bentonite v-common. silicified lt gry siltstn.
300	290-300 red brn siltstn w/ abundant volcanic frags
	300-320 violet brn volcanic material - basement
320	320 T.D.
340	
360	
380	
400	

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM 392

ELEVATION 1896 NORTH 1,203,994.9 EAST 640,173.4 LOGGED BY CZH DATE 3-7-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						cgl, Tan, Granitic
	20					
	40					SS, Tan to [redacted] Brn, Fine to Med
50	60					
						sltst Brn
	80					
						Wht calc Tuff or Ls + Grn sltst, Calcareous silicified
100	100					
	20					sltst, Grn
						Wht Calc Tuff or Ls, wht to Tan
	40					
150						sltst, Grn, silicified Bentonitic
	60					
						sltst, Tan Grn
	80					
						sltst, Grn, silicified, Brn chert, Non-calc
200	200					
						Carbonaceous sltst, Dk Brn,
	20					
						sltst, Grn
249	40					
						Andesitic Volcanics Gry Brn to Brn Blk
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

500 = 50 CPS/IN
TC1 15'/M

MINERALS EXPLORATION CO.

CASPER, WYOMING

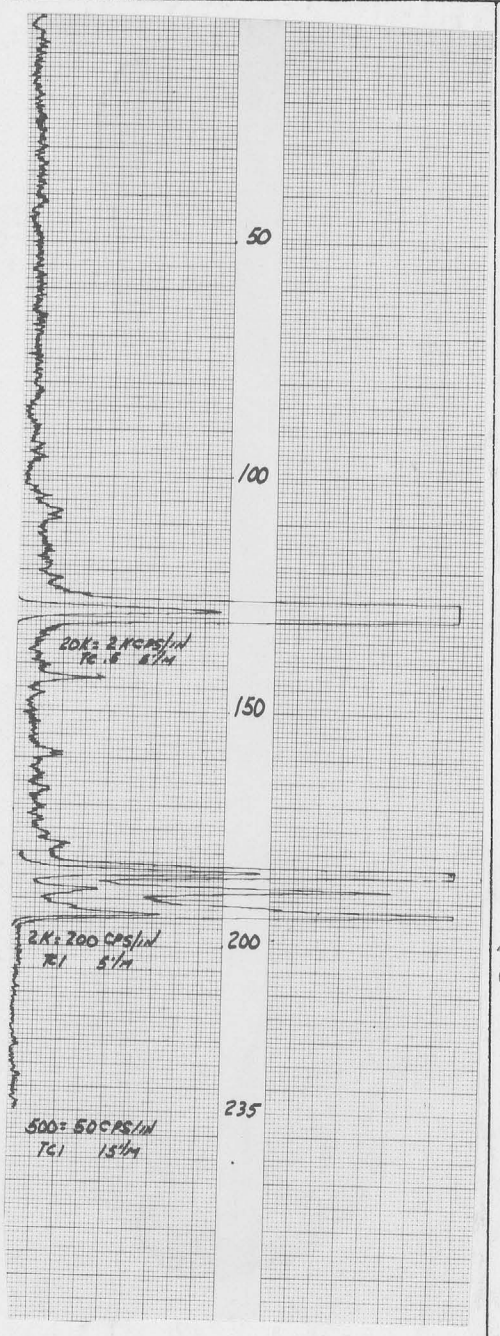
LOCATION ANDERSON MINE			HOLE NO. AM 392
COUNTY YAVAPAI	STATE ARIZONA		GAMMA SCALE 500=50CPS/IN
GP. 1203,994.9N-640,173.4E	ELEV. 1896		PROBE TYPE SCINT.
SEC.	TWP.	RGE.	K-FACTOR 5.70x10-5
DATE 3-7-77			DEAD TIME 7/9
DEPTH DRILLED 255			TIME CONSTANT 1
DEPTH LOGGED 249			PROBE DIA. 1 5/8
FOOTAGE LOGGED 249			CALIPER
HOLE DIAMETER 6 5/8			DIRECTIONAL SURVEY
WATER FACTOR -			TEMPERATURE
RESISTIVITY -	OHMS/INCH		OPERATOR REITERLING
SELF POTENTIAL -	M.V./IN.		DRILLER FRADY
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	CONTRACTOR UNIVERSAL
BOTTOM				LAST A.E.C. PIT RUN
TOP				FLUID LEVEL
TOTAL FEET				REMARKS:
SCALE RUN				

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM 393

ELEVATION 1860 NORTH 1,203,858.1 EAST 639,845.9 LOGGED BY CZH DATE 3-7-77

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 240 P.D. _____

GEOPHYSICAL LOG | DEPTH | P | C | A | STRIP LOG | LITHOLOGY LOG



Depth	Lithology Log
	Cgl, Granitic, LT Brn
20	Sltst, Grn
40	Sltst, Tan, Sndy
60	
80	Sltst, Grn
100	Calc Tuff or Ls, Wht, Silicified, Gry & Brn Chert
20	Sltst Grn
	Lignite, Blk, Calc, Silicified
40	Sltst, Grn, Bentonitic, Trace Carb, Silicified Sub-Calc to Non-Calc
60	
80	Lignite & Carbonaceous Sltst, Blk to Dk Gry, Calc, Silicified, W/Int bdd Grn Mdst & Brn Calc Tuff
200	Sltst, Red, Andesitic Volcanic Frags, Red Brn
20	Sltst, Orange Brn, Andesitic Volcanic Frags, Sndy
40	Andesitic Volcanics, Red Brn
60	
80	
00	
20	
40	
60	
80	
00	
20	
40	
60	
80	
00	

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE		HOLE NO.	AM 393
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,203,858.1N-639,845.9E	ELEV. 1860	PROBE TYPE	SCINT
		K-FACTOR	5.70X10-5
		DEAD TIME	7.14 m
		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:	

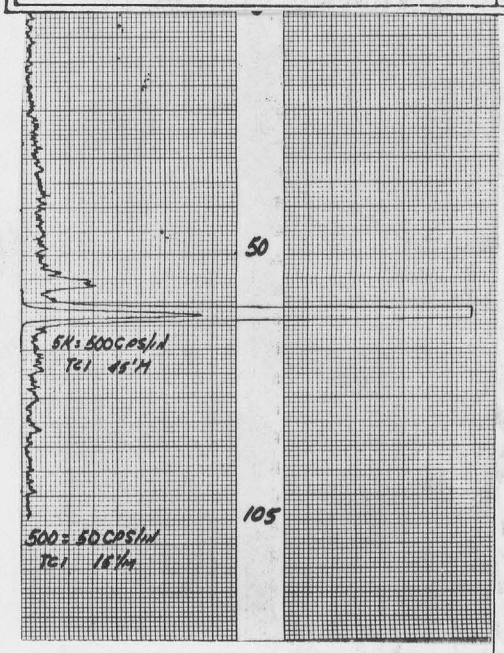
SEC.	TWP.	RGE.	
DATE	3-7-77		
DEPTH DRILLED	240		
DEPTH LOGGED	236		
FOOTAGE LOGGED	264		
HOLE DIAMETER	5 5/8		
WATER FACTOR	-		
RESISTIVITY	-	OHMS/INCH	
SELF POTENTIAL	-	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	196	136	
TOP	180	123	
TOTAL FEET	16	13	
SCALE RUN	2K=200CPS/IN	20K=2KCPS/IN	

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM 394

ELEVATION 1827 NORTH 1,204,166.5 EAST 640,388.3 LOGGED BY CZH DATE 3-6-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Depth	Lithology
20	sltst/mdst, Grn, Bentonitic
	sltst Grn w/Wht calc Tuff or Ls
	sltst, Lt Grn Silicified w/Gry Chert
40	sltst, Grn, Trace Carb
60	Andesitic Volcanics, Gry Brn
80	
00	
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	
20	
40	
60	
80	
00	

MINERALS EXPLORATION CO.

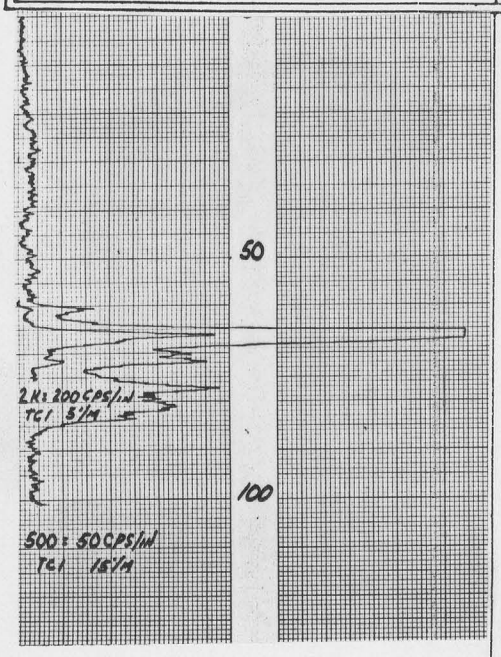
CASPER, WYOMING				HOLE NO.	AM 394
LOCATION ANDERSEN MINE				GAMMA SCALE	500=50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA			PROBE TYPE	SCINT
GP. 1,204,166.5N-640,388.3E	ELEV. 1827			K-FACTOR	5.70x10-5
				DEAD TIME	7.14m
				TIME CONSTANT	1
SEC.	TWP.	RGE.		PROBE DIA.	1 5/8
DATE	3-6-77			CALIPER	
DEPTH DRILLED	105			DIRECTIONAL SURVEY	
DEPTH LOGGED	105			TEMPERATURE	
FOOTAGE LOGGED	118			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	REMARKS:	
BOTTOM	70				
TOP	57				
TOTAL FEET	13				
SCALE RUN	5K=500CPS/IN				

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM 395

ELEVATION 1819 NORTH 1,204,166.5 EAST 640,611.9 LOGGED BY CZH DATE 3-6-77

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 110 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Cgl, Sndy, Volcanic Frags

Sltst, Tan

Sltst, Grn, Bentonitic, Calc

Carbonaceous Sltst, Gry Brn NonCalc w/ Thin Entbds of calc Tuff

Sltst, Grn Bentonitic

Sltst Red

Andesitic Volcanics, DK Gry

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSON MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1204,006.4N-640,611.9E ELEV. 1819

SEC. TWP. RGE.

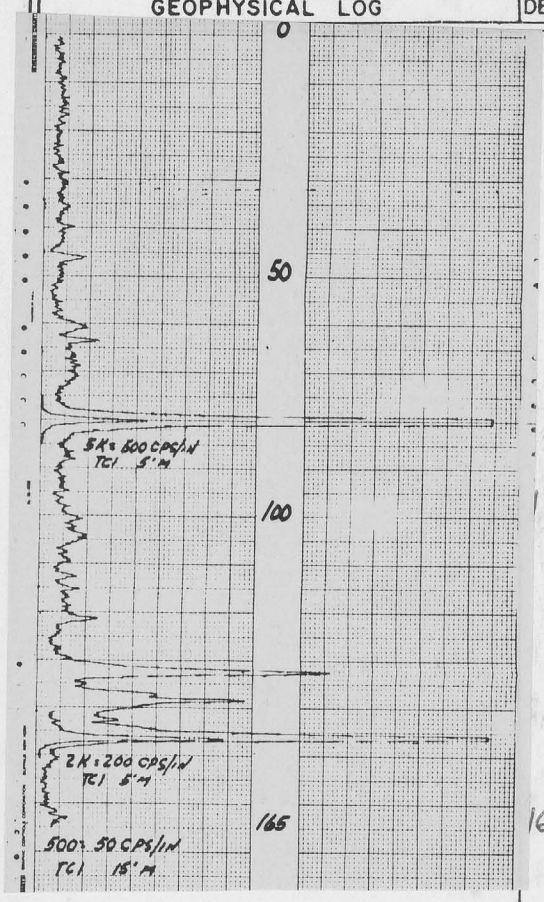
DATE	3-6-77		
DEPTH DRILLED	110		
DEPTH LOGGED	100		
FOOTAGE LOGGED	116		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	- OHMS/INCH		
SELF POTENTIAL	- M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	75'		
TOP	59		
TOTAL FEET	16		
SCALE RUN	2K: 200 CPS/in		

HOLE NO.	AM 395
GAMMA SCALE	500: 50 CPS/in
PROBE TYPE	Scint
K-FACTOR	5.70 x 10-5
DEAD TIME	7.18 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Netherling
DRILLER	Faddy
CONTRACTOR	Universal
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE ____ ☑ AIR ☐ WATER HOLE NO. AM 396

ELEVATION 1770 NORTH 1,203,352.2 EAST 639,629.9 LOGGED BY CZH DATE 3-17-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Cgl, Qal, Crs, Sndy, Volcanic + Granitic Pebs
	20					Sltst, Tan Grn to Grn, Sndy, Bentonitic
	40					~~Wht Calc Tuff or Ls, W/ Red Brn Chert, Calcareous~~
						Sltst, Grn, Bentonitic
	60					Silicified Sltst + Calc Tuff, Red Brn Chert, Lt Tan
						Sltst, Grn, Bentonitic, Sndy
	80					~~Lignite + Carbonaceous sltst, Blk to Grn Gry, Calc~~ Silicified
	100					Silicified Sltst, Gry Grn to Grn, Intbdd Non-Calc and Non-Silicified Sltst, Yel Brn Chert and Gry + Gry Grn Sub Chert
	20					
	40					Carbonaceous sltst + Lignite DK Gry to Blk, Silicified W/ Silicified Sltst + Brn Calc Tuff or Ls, Calcareous
						Sltst, Red, W/ Andestic Volcanics, Red Brn
	60					
	165					~~Lignite + Carbonaceous sltst, Blk to Gry~~ Silicified
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

5K = 500 CPS/IN TCI 5' M

2K = 200 CPS/IN TCI 5' M

500 = 50 CPS/IN TCI 15' M

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE		HOLE NO.	AM 396
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500 = 50 CPS/in
GP. 1,203,352.2N-639,629.9E	ELEV. 1770	PROBE TYPE	SCINT.
SEC.	TWP.	K-FACTOR	5.70 x 10-5
RGE.		DEAD TIME	7.14 μ
DATE	3-17-77	TIME CONSTANT	1
DEPTH DRILLED	165	PROBE DIA.	1 5/8
DEPTH LOGGED	165	CALIPER	
FOOTAGE LOGGED	185	DIRECTIONAL SURVEY	
HOLE DIAMETER	5	TEMPERATURE	
WATER FACTOR	1.19	OPERATOR	RETTERLING
RESISTIVITY	- OHMS/INCH	DRILLER	FREDDY
SELF POTENTIAL	- M.V./IN.	CONTRACTOR	UNIVERSAL
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	191 / 85	FLUID LEVEL	
TOP	191 / 75	REMARKS:	
TOTAL FEET	10 / 10		
SCALE RUN	2K = 200 CPS/in 5K = 500 CPS/in		

DIAMOND DRILL LOG

SCALE 1" = 10'
STARTED
STOPPED
NOTES BY R Sengebush

DEPTH 70-90, 111-119, 124.5-151
BEARING
INCLINATION

HOLE No. AM 396C
SHEET 1 OF 1
PROPERTY Anderson Mine
COUNTY
STATE Az
COLLAR COORD. N.
E.
COLLAR ELEV.

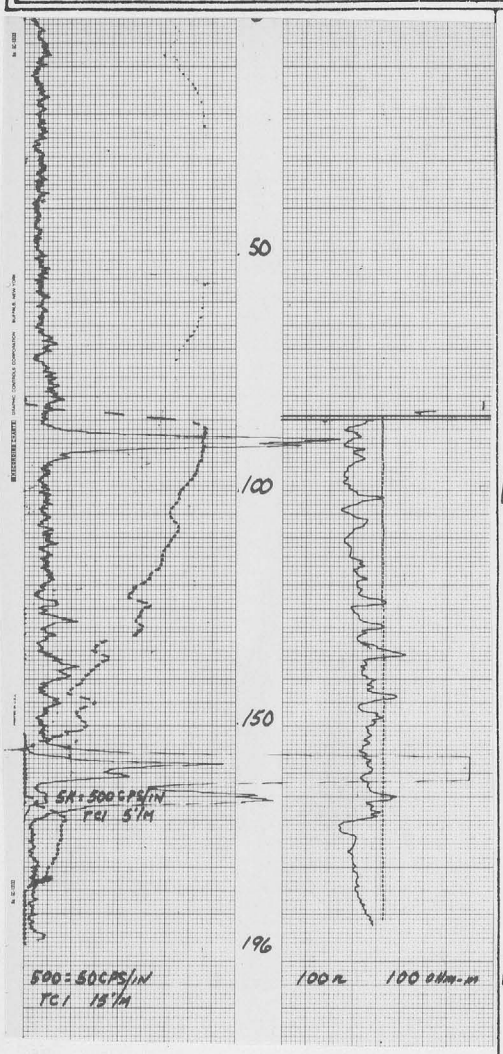
ASSAYS			% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
	dip angle						70-71 gry grn siltstn 71-72.5 fine grained ss, qtz, fldspr, biotite, muscovite 72.5-75.5 grn clay w/ yellow-grn alteration ? and siltstone w/ trace hematite stains			siltstone - greenish gray 5 BG 6/1 N2 grayish black
	colors when wet						75.5-78 dark gray - grayish black carbonaceous siltstone bedding dip 50° white specks, stringers up to 2 cm long 76-77 78-79 dark gray siltstone - carbonaceous medium + 79-84.5 greenish gray siltstone w/ white streaks, grn-yellow in fractures chert lined vertical cavity dip 45-50°			N3 dark gray 5 GY 6/1 greenish gray silicified siltstone olive gray 5 Y 4/1
	10%	HCl		80			81-88 gry-grn to light greenish fine ss to siltstone, white possibly root casts 3%. slightly to highly silicified ↓ 90'			
				111			90-111 NO core			
							2" highly carbonaceous siltstone, grades into gry grn ss w/ ls pods 2-4 cm dia, and yel-grn clay in fractures 91-92.5 white calcareous - silicified siltstone w/ gry grn blebs & stringers some chert filled, others green clay filled. vertical chert filled fractures			highly silicified siltstone olive gray to very light gray 5 Y 4/1 - N8
				119				No core		
				124.5			siltstone w/ white stringers along bedding 2-4 cm long 124.5-126.5 stringers occur in 1-4 inch bands 126.5-127 white to gry silicified siltstone w/ gry, orange brn, clay in fractures, trace yellow U oxide (?) 127-129 very light gray calcareous siltstone, trace grn clay in fractures 129-133.5 dark gray to black carbonaceous siltstone w/ interlayers of gray calc siltstone. carbonaceous zones occur grading from stringers and blebs of carbon to solid clayey masses of black carbonaceous material.			dark greenish gray siltstone 5 GY 4/1 very light gray N8 calc siltstone
			Lost 133.5-137				137-143.8 gry calcareous siltstone interbedded with carbonaceous stringers and layers up to .5' thick. laminations are horizontal to swirling and slumping up to 60°			
				143			143.8-145.1 light gray siltstone, carbonaceous 15%, calcareous,			light gray N7 calcareous - carbonaceous siltstone
							145.1-151 dark greenish gray siltstone w/ abundant fine muscovite flakes, contains red brn angular rock frags (basal volcanic) toward bottom of section - last 4', also light green clay in relatively vertical stringers. Trace Mn 150-151.			dark greenish gray 5 G 4/1 siltstone
							151 End of hole			

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM397

ELEVATION 1774 NORTH 1,203,393.3 EAST 639,762.4 LOGGED BY CZH DATE 3-8-77

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

GEOPHYSICAL LOG | DEPTH | P | C | A | STRIP LOG | LITHOLOGY LOG



DEPTH: 20, 40, 60, 80, 100, 20, 40, 60, 80, 200, 20, 40, 60, 80, 00, 20, 40, 60, 80, 00, 20, 40, 60, 80, 00

Sltst, Grn Tan to Grn, Trace silicification Gry Chert + Trace Vel Brn chert

Sltst, Grn, w/Wht Calc, Tuff and Red Brn Chert, Calc, Silicified

Sltst, Grn, Bentonitic, Sndy

Lignite + Carbonaceous sltst, Blk to DK Gry Silicified Calcareous,

Sltst, Grn, Silicified w/Gry chert and Pink Wht Bentonite

Ls or Wht Calc Tuff + silicified sltst, Mn Starning, Vel Brn + Red Brn Chert, Calcareous Thin intbdd Lignitic material

Sltst, Grn, Silicified, Bentonitic

Lignite + Carbonaceous sltst, Blk to DK Gry, Silicified Calcareous, w/Brn Calc Tuff or Ls

Sltst, Red, + Andesitic Volcanics Red Brn to Gry Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

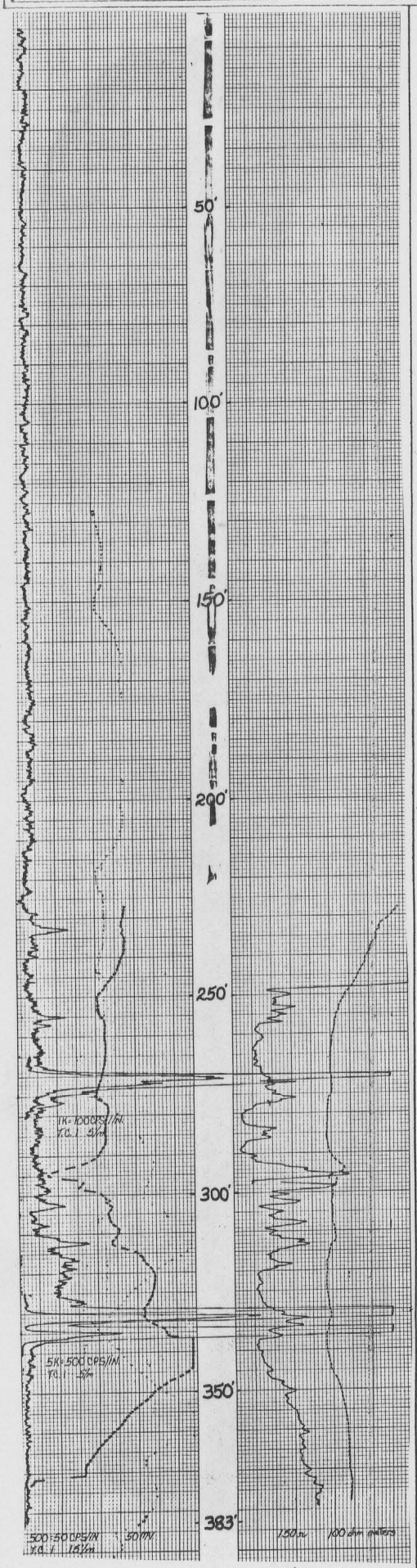
LOCATION ANDERSEN MINE		HOLE NO.	AM 397
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,203,393.3N-639,762.4 E	ELEV. 1774	PROBE TYPE	SCINT
		K-FACTOR	5.70x10-5
		DEAD TIME	7.14u
		TIME CONSTANT	1
SEC. TWP. RGE.		PROBE DIA.	1 5/8
DATE	3-8-77	CALIPER	
DEPTH DRILLED	200	DIRECTIONAL SURVEY	
DEPTH LOGGED	196	TEMPERATURE	
FOOTAGE LOGGED	214	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	FREDDY
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	100 OHMS/INCH 100 OHM-M	LAST A.E.C. PIT RUN	
SELF POTENTIAL	100 M.V./IN.	FLUID LEVEL	
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	REMARKS:	
BOTTOM	170		
TOP	152		
TOTAL FEET	18		
SCALE RUN	5K=500CPS/IN		

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM398

ELEVATION 1917 NORTH 1,203,376.5 EAST 640,034.5 LOGGED BY C. Ahr DATE 2-20-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 385 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 80 385 400 20 40 60 80

Cgl, Lt Tan, Granitic

Siltst, Grn, Bentonitic, Trace silicification

Silicified Siltst, Gry Grn, Sub Calc

Siltst, Grn, Bentonitic

Carbonaceous Siltst, DK Gry, W/Wht to Brn Calc Tuff

Siltst, Grn, Silicified, Bentonitic, W/Gry Chert

Lignite + Carbonaceous siltst, Blk to DK Gry, W/Thin Intbds of Brn Calc Tuff

Siltst, Yel Grn, Bentonitic

Andesitic Volcanic Red Brn

Gry Brn to Brn Gry

~~[illegible] Brn Gry to Brn~~

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-398

LOCATION	ANDERSON MINE
COUNTY	Yavapai
STATE	Ariz.
GP. 1,203,376.5N-640,034.5E	ELEV. 1917

SEC.	TWP.	RGE.

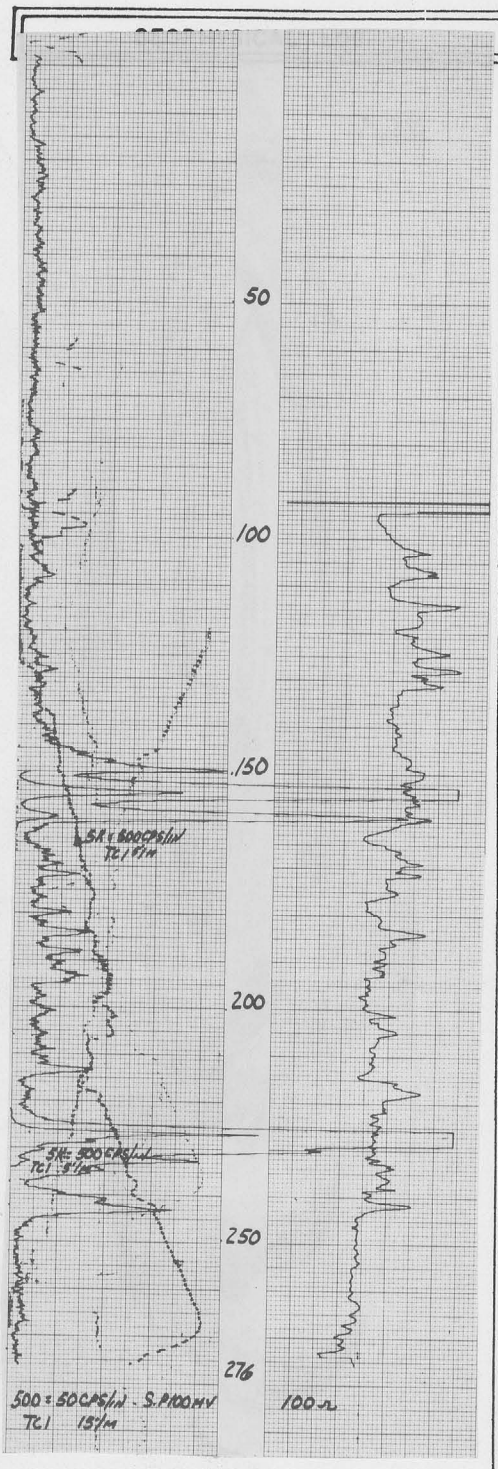
DATE	2/20/77		
DEPTH DRILLED	385		
DEPTH LOGGED	383		
FOOTAGE LOGGED	413		
HOLE DIAMETER	5⅝" To 385		
WATER FACTOR			
RESISTIVITY	OHMS/INCH		
SELF POTENTIAL	M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	340'	280'	
TOP	325'	265'	
TOTAL FEET	15'	15'	
SCALE RUN	5K=500CPS/IN	1K=1000CPS/IN	

GAMMA SCALE	500=50 CPS/IN.
PROBE TYPE	Saint.
K-FACTOR	5.7 10^{-8}
DEAD TIME	7.14 μ secs.
TIME CONSTANT	1
PROBE DIA.	1¾"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Church
CONTRACTOR	Roberts
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. Am 399

ELEVATION 1778 NORTH 1,203,216.2 EAST 639,768.3 LOGGED BY CZH DATE 3-8-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 280 P.D. ____



DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
20					Siltst Sndy to V. Sndy Lt Tan to Brn
40					
60					
80					Siltst, Tan Grn, w/ wht Calc Tuff or Marlst
100					Siltst, Grn, w/ Layers of Wht Bentonitic, Trace silicification
20					Siltst (Grn) + Wht Calc Tuff, Lt Brn Chert, Silicified
					Silicified Siltst, Grn, w/ Gry Grn Sub Chert
40					Siltst/Mdst, Grn to Dk Grn, Non-Calc
60					Lignite Blk
					Carbonaceous Siltst Dk Grn to Gry
80					wht Calc Tuff or Ls, Red Brn Chert, Silicified
200					Carbonaceous Siltst + Lignite, Dk Gry to Blk, w/ wht and Brn Calc Tuff, Silicified, Calcareous
20					
40					Siltst, Red Brn, No Volcanics
60					Siltst Yel Tan
80					Andesitic Volcanics Red Brn + Gry Brn
00					
20					
40					
60					
80					
00					
20					
40					
60					
80					
00					

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM 399

LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/in
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. 1203,216.2N-639,768.3E	ELEV. 1778	K-FACTOR	5.70x10-5
SEC.	TWP. RGE.	DEAD TIME	7.4μ
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
		CALIPER	
		DIRECTIONAL SURVEY	
		TEMPERATURE	
		OPERATOR	KETCHING
		DRILLER	FRADDY
		CONTRACTOR	UNIVERSAL
		LAST A.E.C. PIT RUN	
		FLUID LEVEL	
		REMARKS:	

DATE	3-8-77		
DEPTH DRILLED	280		
DEPTH LOGGED	276		
FOOTAGE LOGGED	301		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	100 OHMS/INCH		
SELF POTENTIAL	100 M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	234	163	
TOP	222	150	
TOTAL FEET	12	13	
SCALE RUN	5K=500CPS/in	5K=500CPS/in	

PROJECT Anderson Mine **HOLE SIZE** _____ ☐ AIR ☑ WATER **HOLE NO.** AM400

ELEVATION 1828 **NORTH** 1,203,217.0 **EAST** 639,443.5 **LOGGED BY** CZH **DATE** 3-16-77

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 285 **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Cgl Tan Granitic
	20					Sltst, Sndy, Tan
						Crs Cgl, Lt Tan, Granitic
	40					SS, V. Silty, Tan to Brn
	60					Sltst, Orange, Sndy, Biotite Com
	80					Sltst, Sndy, Brn to Tan
	100					Sltst Grn Tan
	20					Sltst, Brn,
	40					
	60					— Wht Calc Tuff
	80					Sltst, Grn, Bentonitic
	200					Carbonaceous Sltst, Silicified, w/ Grn Sltst Interbed, Calcareous
	20					Silicified Sltst, Gry Grn to Grn, w/ Gry Grn Sub Chert,
	40					Carbonaceous Sltst DK Grn, Bentonitic Carb Com to Abnt
	60					Lignite, Blk, Calcareous, Silicified, w/ Brn Calc Tuff or Ls
	80					Sltst, Red, + Andesitic Volcanics, Red Brn to Gry Brn
	285					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
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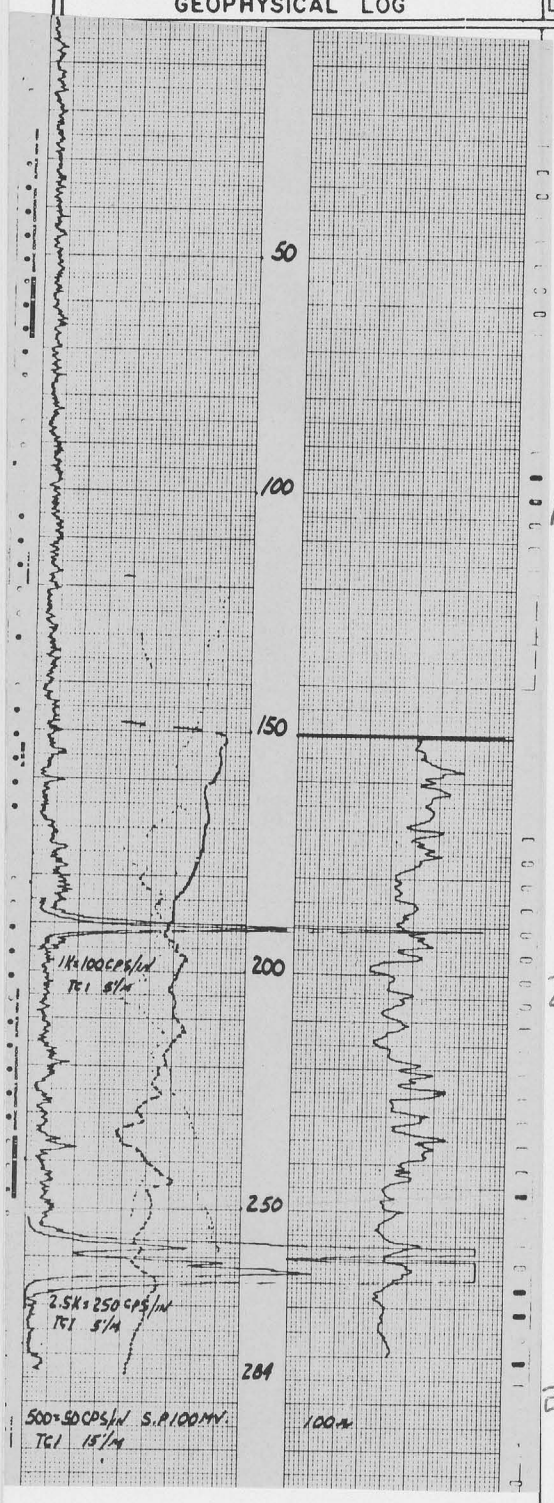

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE		HOLE NO.	AM 400
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1203217.0N-639,443.5E	ELEV. 1828	PROBE TYPE	SO-NT.
SEC.	TWP.	K-FACTOR	5.70X10-6
	RGE.	DEAD TIME	7.19 μ
DATE	3-16-77	TIME CONSTANT	1
DEPTH DRILLED	300	PROBE DIA.	1 5/8
DEPTH LOGGED	284	CALIPER	
FOOTAGE LOGGED	3/4	DIRECTIONAL SURVEY	
HOLE DIAMETER	5	TEMPERATURE	
WATER FACTOR		OPERATOR	KETCHALING
RESISTIVITY	100 OHMS/INCH	DRILLER	FREDDY
SELF POTENTIAL	100 M.V./IN.	CONTRACTOR	UNIVERSAL
		LAST A.E.C. PIT RUN	
		FLUID LEVEL	
		REMARKS:	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	271	196	
TOP	252	185	
TOTAL FEET	19	11	
SCALE RUN	2.5K=250CPS/IN	1K=100CPS/IN	