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MINERALS EXPLORATION CO.

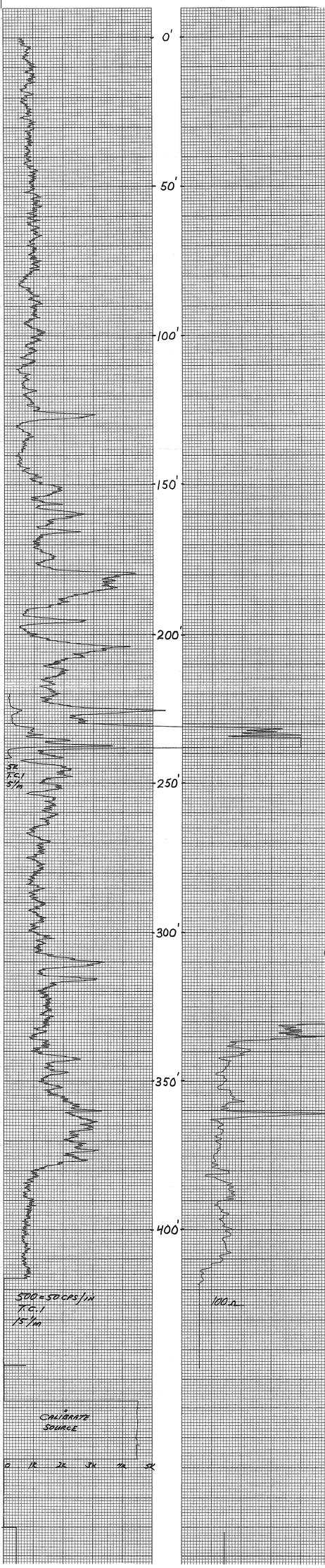
CASPER, WYOMING

HOLE NO. AM-31

LOCATION	ANDERSON MINE 1203 697.39N 92 637.91E	GAMMA SCALE	500
		PROBE TYPE	SCINT
COUNTY	YAVAPAI	STATE	ARIZONA
		K-FACTOR	2.31 X10^-5
GP.	~~1,004,385 N~~ ~~646,330 E~~	ELEV.	2001
		DEAD TIME	9.6 μSEC
		TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16
DATE	4-2-75	CALIPER	—
DEPTH DRILLED	435'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	418'	TEMPERATURE	—
FOOTAGE LOGGED	440'	OPERATOR	D. BRADLEY
HOLE DIAMETER	6"-0' TO 250'-5" TO 438'	DRILLER	BILL
WATER FACTOR	1.152	CONTRACTOR	JIM WILLIAMS
RESISTIVITY	20 OHMS/INCH	LAST A.E.C. PIT RUN	11-4-74
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	331'

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	242'		
TOP	220'		
TOTAL FEET	22'		
SCALE RUN	5K		

REMARKS:



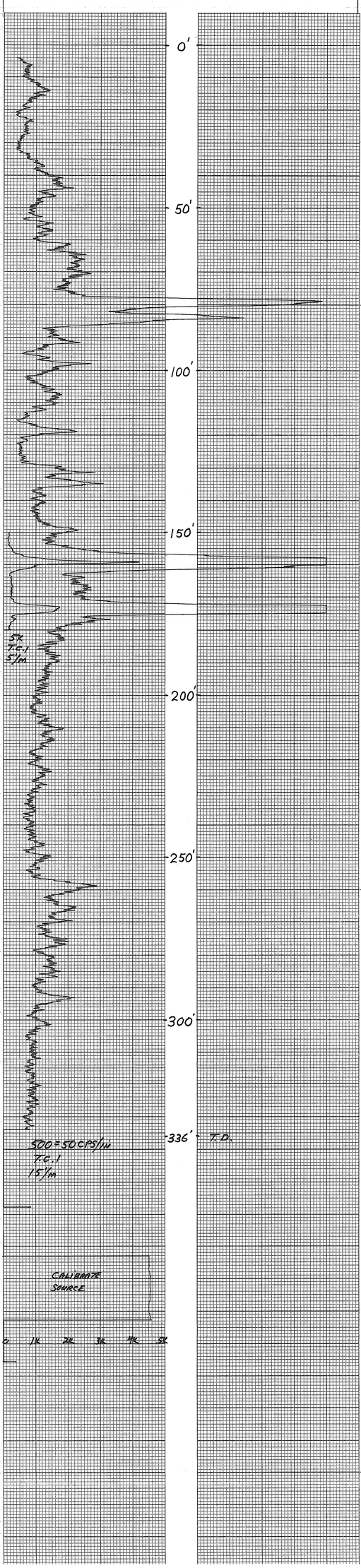
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-32

LOCATION	ANDERSON MINE	GAMMA SCALE	500
		PROBE TYPE	SCINT
COUNTY	YAVAPAI STATE ARIZONA	K-FACTOR	2.31×10^{-5}
GP.	~~1,203,181 N~~ ~~644,623 E~~ 1204 473.95 N 90 944.59 E ELEV. 1955'	DEAD TIME	9.6 μSEC
		TIME CONSTANT	1
SEC.	TWP. 11 RGE. 10	PROBE DIA.	1 11/16"
DATE	3-22-75	CALIPER	—
DEPTH DRILLED	337'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	336'	TEMPERATURE	—
FOOTAGE LOGGED	366'	OPERATOR	D. BRADLEY
HOLE DIAMETER	6" 0'-185' 4 3/4 185'-337'	DRILLER	BILL
WATER FACTOR		CONTRACTOR	JIM WILLIAMS
RESISTIVITY	— OHMS/INCH	LAST A.E.C. PIT RUN	11-4-74
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	DRY

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	180'			
TOP	150'			
TOTAL FEET	30'			
SCALE RUN	5K			



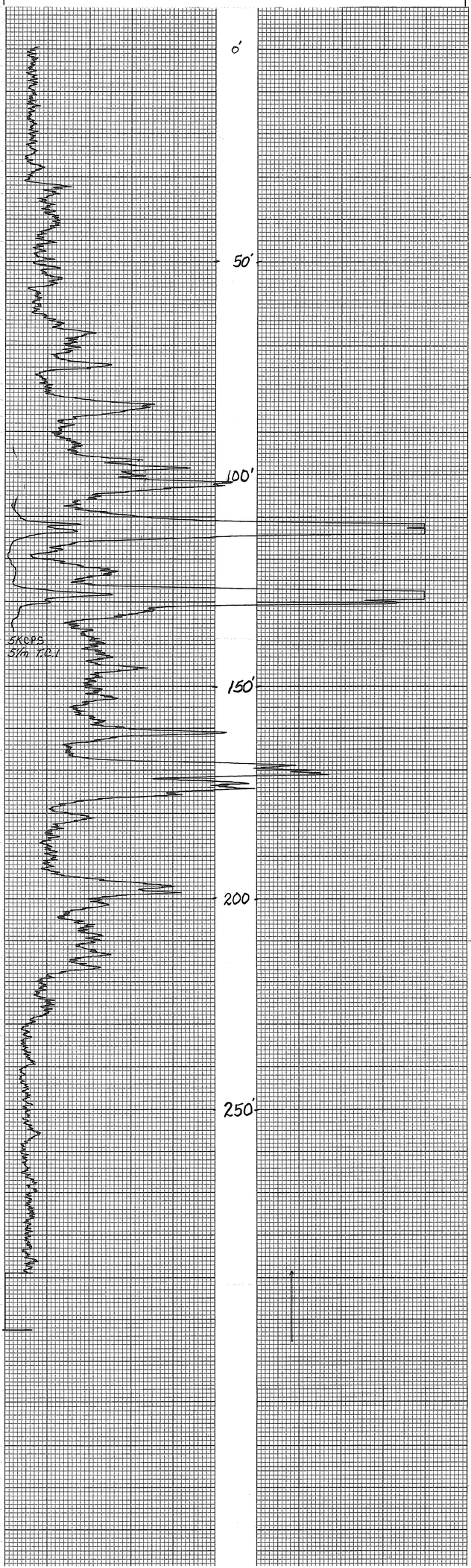
MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM-33

LOCATION Anderson Mine 1204 408.78N 93 234.79E		**GAMMA SCALE**	500
		PROBE TYPE	Scint
COUNTY Yavapai	**STATE** Arizona	**K-FACTOR**	2.31^{10-5}
GP. ~~1202,107 N~~ ~~646,914 E~~	**ELEV.** 1955'	**DEAD TIME**	9.6 Msec.
		TIME CONSTANT	1
SEC.	**TWP.** 11N **RGE.** 10W	**PROBE DIA.**	1 11/16
DATE	4-2-'75	**CALIPER**	—
DEPTH DRILLED	292'	**DIRECTIONAL SURVEY**	—
DEPTH LOGGED	291'	**TEMPERATURE**	—
FOOTAGE LOGGED	322'	**OPERATOR**	Hudson
HOLE DIAMETER	6" To 155'-5" To 292'	**DRILLER**	Bill
WATER FACTOR		**CONTRACTOR**	Jim Williams
RESISTIVITY	OHMS/INCH	**LAST A.E.C. PIT RUN**	11-4-74
SELF POTENTIAL	M.V./IN.	**FLUID LEVEL**	Dry

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	137		
TOP	107		
TOTAL FEET	30		
SCALE RUN	5KCPS		

REMARKS:
Dropped cones in hole @ 194 on 3/25/75. Deepened hole on 4/2/75

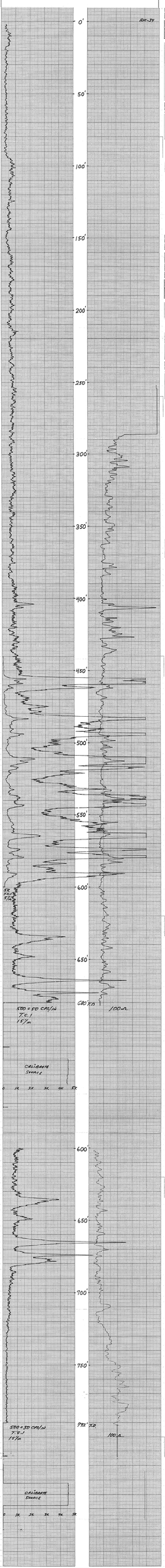


MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE 1004 FSL 994 FE of E. 8TH		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	1-Anderson-2	ELEV.	1575
SEC.	Sec 11	RGE.	10
DATE	3-27-75		
DEPTH DRILLED	750'		
DEPTH LOGGED	792'		
FOOTAGE LOGGED	792'		
HOLE DIAMETER	5" 200'-792'		
WATER FACTOR			
RESISTIVITY	20	OHMS/INCH	
SELF POTENTIAL	–	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
DEPTHS	650'		
FOOTAGE	592'		
TOTAL FEET	142'		
SCALE RUN	5K		

HOLE NO.	AM-34
GAMMA SCALE	500
PROBE TYPE	2CGPT
K-FACTOR	2.31×10^{-5}
TIME TIME	9.6 SECS
TIME CONSTANT	1/4
PROBE DIA.	1 7/8"
CALIPER	
DIRECTIONAL SURVEY	–
TEMPERATURE	–
OPERATOR	D. DEHAULT
DRILLER	STEVE
CONTRACTOR	DONAHUE
LAST A.S.C. PT. RUN	11-8-74
FLUID LEVEL	
REMARKS:	3-27-75 HOLE DEVIATED TO 792'

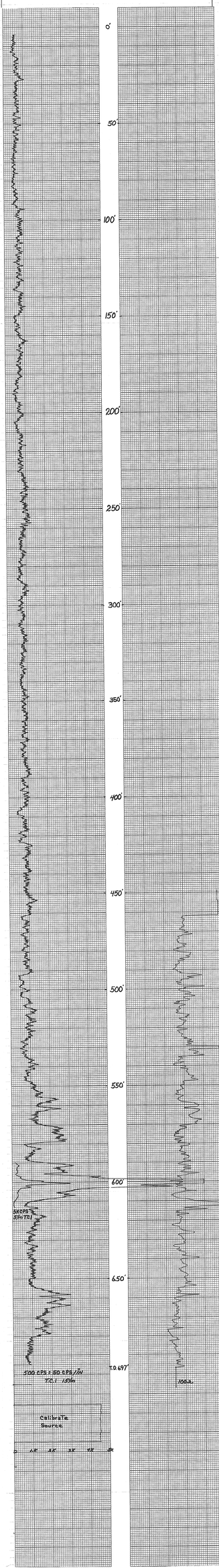


MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	Anderson Mine (DD2783-37M 23,207,96)	HOLE NO.	AM-35
COUNTY	~~Fremont~~ Yavapai	STATE	Arizona
GP.	~~Lat 43.0-E~~	ELEV.	2012
SEC.	TWP. 14	RGE.	10W
DATE	4-3-75		
DEPTH DRILLED	700'		
DEPTH LOGGED	697'		
FOOTAGE LOGGED	720'		
HOLE DIAMETER	6.8 7.925 5.25 5.05 5.125-200	5.0	
WATER FACTOR	1.174 1.172 1.162	1.150	
RESISTIVITY	20 OHMS/INCH		
SELF POTENTIAL	M.V./IN.		
REMARKS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	613'		
TOP	530'		
TOTAL FEET	23'		
SCALE RUN	5KCPS		

GAMMA SCALE	500
PROBE TYPE	Scint
K-FACTOR	$2.31 \cdot 10^{-5}$
DEAD TIME	9.6 m.sec.
TIME CONSTANT	1
PROBE DIA.	1 3/8
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	J. Hudson
DRILLER	Roberts
CONTRACTOR	
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS	



MINERALS EXPLORATION CO.

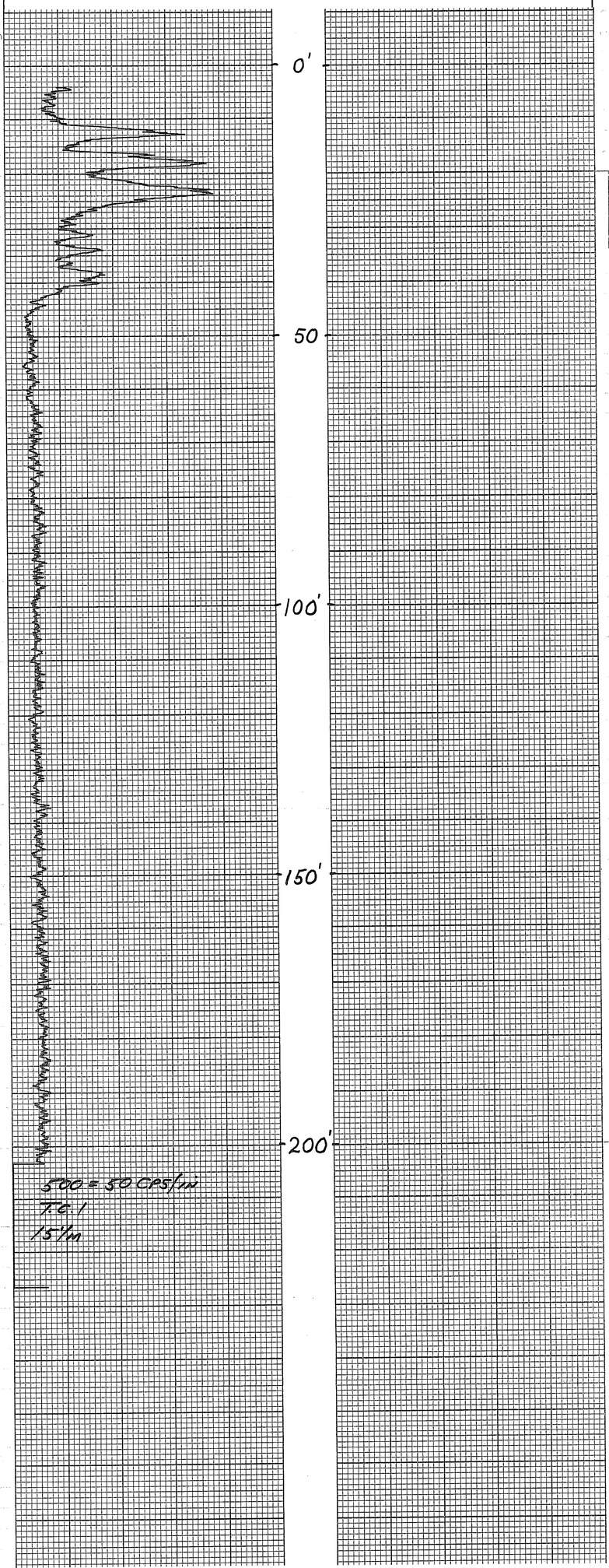
CASPER, WYOMING

HOLE NO. AM - 36

LOCATION	ANDERSON MINE 1204 415.83N 94 011.04E	GAMMA SCALE	
COUNTY	YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP.	~~1,202,128N~~ ~~647,670E~~	ELEV. 2044	K-FACTOR	2.31×10^{-5}
			DEAD TIME	9.6 μSEC
			TIME CONSTANT	1
SEC.	TWP. 11	RGE. 10	PROBE DIA.	1 11/16"
DATE	4-2-75		CALIPER	—
DEPTH DRILLED	205'		DIRECTIONAL SURVEY	—
DEPTH LOGGED	203'		TEMPERATURE	—
FOOTAGE LOGGED	203'		OPERATOR	D. BRADLEY
HOLE DIAMETER	6" TO 205'		DRILLER	BILL
WATER FACTOR	1.191		CONTRACTOR	JIM WILLIAMS
RESISTIVITY	— OHMS/INCH		LAST A.E.C. PIT RUN	11-4-74
SELF POTENTIAL	— M.V./IN.		FLUID LEVEL	DRY

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

REMARKS:



No. GC 12101
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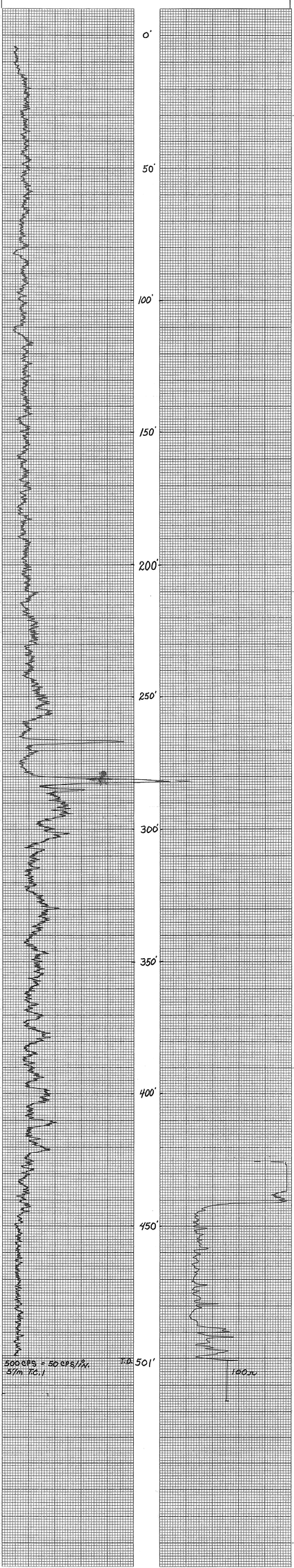
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	Anderson Mine 1204371.26N 90 071.61E		
COUNTY	Yavapai	STATE	Arizona
GP.	~~1500 FSL 645 FWL~~	ELEV.	2057
SEC.	TWP. 11N	RGE. 12W	
DATE	4-4-75		
DEPTH DRILLED	515'		
DEPTH LOGGED	501'		
FOOTAGE LOGGED	501'		
HOLE DIAMETER	6" To 205'	5⅝ To 235'	4¾ To 515'
WATER FACTOR	1.191	1.157	1.142
RESISTIVITY	100=200HMS/INCH		
SELF POTENTIAL	M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

HOLE NO. AM-37

GAMMA SCALE	500
PROBE TYPE	Scint
K-FACTOR	2.31
DEAD TIME	9.6 M sec.
TIME CONSTANT	1
PROBE DIA.	1 1/16
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	J. Hudson
DRILLER	Bill
CONTRACTOR	Jim Williams
LAST A.E.C. PIT RUN	11-4-74
FLUID LEVEL	
REMARKS:	

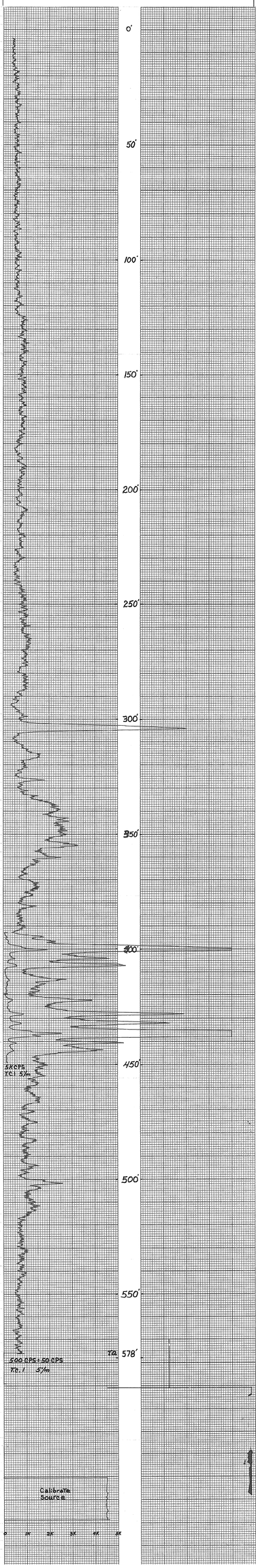


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-38

LOCATION	Anderson Mine 1203 539.30N 91 139.98E	GAMMA SCALE	500
COUNTY	Yavapai STATE Arizona	PROBE TYPE	Scint.
GP.	~~1 Centerline~~ ~~1203 539.5 E~~ ELEV. 2167	K-FACTOR	2.31×10^{-5}
SEC.	TWP. 11N RGE. 12W	DEAD TIME	9.6 Msec.
DATE	4-6-75	TIME CONSTANT	1
DEPTH DRILLED	578'	PROBE DIA.	1 3/16
DEPTH LOGGED	578'	CALIPER	—
FOOTAGE LOGGED	634'	DIRECTIONAL SURVEY	—
HOLE DIAMETER	6" To 205' 5 7/8" To 495' 4 3/4" To 578'	TEMPERATURE	—
WATER FACTOR	1.191 1.157 1.142	OPERATOR	J. Hudson
RESISTIVITY	OHMS/INCH	DRILLER	Bill
SELF POTENTIAL	M.V./IN.	CONTRACTOR	Jim Williams
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	11-5-74
BOTTOM	489'	FLUID LEVEL	
TOP	393'	REMARKS:	
TOTAL FEET	56'		
SCALE RUN	5KCPS.		



MINERALS EXPLORATION CO.

CASPER, WYOMING

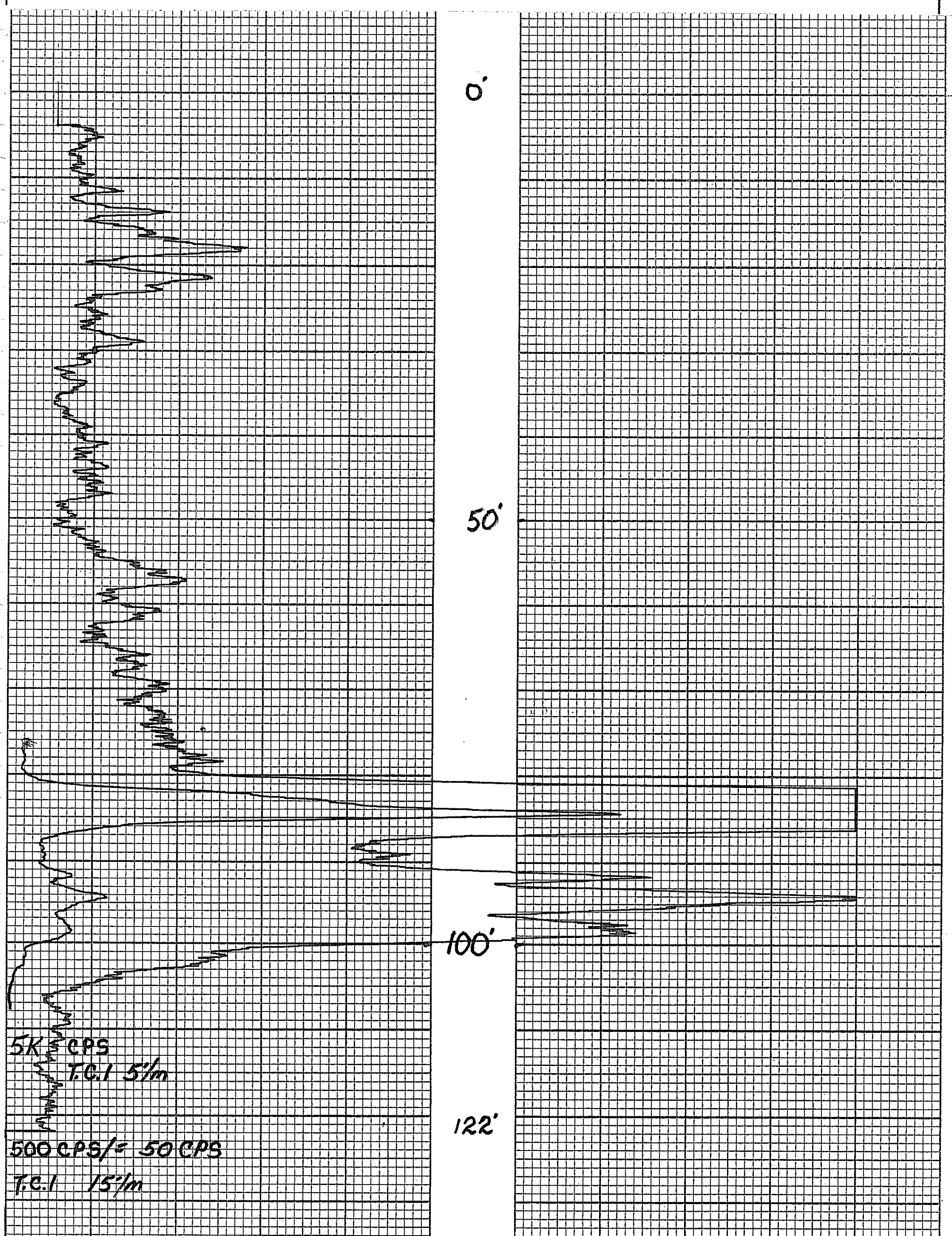
HOLE NO. AM-39

LOCATION	Anderson Mine 1206 649.29N 87 551.14E		
COUNTY	Yavapai	STATE	Arizona
GP.	~~1,204,245N~~ ~~641,191E~~	ELEV.	1793
SEC.	TWP. 11N	RGE. 10W	

DATE	4-6-75
DEPTH DRILLED	124'
DEPTH LOGGED	124'
FOOTAGE LOGGED	155'
HOLE DIAMETER	6" To 124'
WATER FACTOR	1.191
RESISTIVITY	OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	108		
TOP	77		
TOTAL FEET	31		
SCALE RUN	5.KCPS		

GAMMA SCALE	500
PROBE TYPE	Scint
K-FACTOR	2.31^{10-5}
DEAD TIME	9.6 m sec.
TIME CONSTANT	1
PROBE DIA.	1 1/16
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	J. Hudson
DRILLER	Bill
CONTRACTOR	Jim Williams
LAST A.E.C. PIT RUN	11-4-74
FLUID LEVEL	
REMARKS:	



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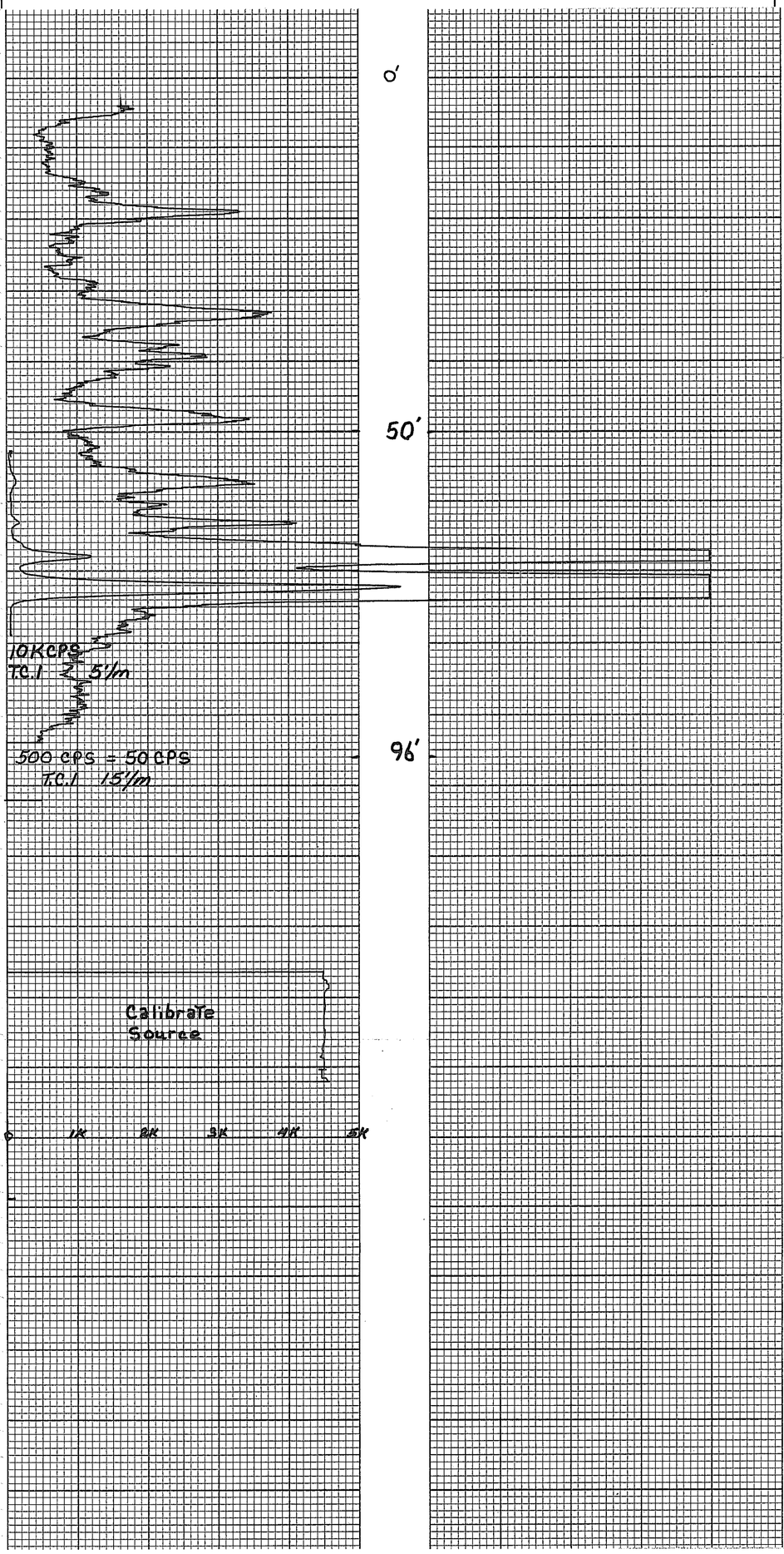
MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM-40

LOCATION	Anderson Mine 1206 905.37N 88 327.87E	**GAMMA SCALE**	500
COUNTY	Yavapai **STATE** Arizona	**PROBE TYPE**	Scint.
GP.	~~1,204,345N 641,963E~~ **ELEV.** 1798	**K-FACTOR**	2.31^{10-5}
SEC.	**TWP.** 11N **RGE.** 10W	**DEAD TIME**	9.6 msec.
DATE	4-7-75	**TIME CONSTANT**	1
DEPTH DRILLED	100'	**PROBE DIA.**	1 1/16
DEPTH LOGGED	98'	**CALIPER**	–
FOOTAGE LOGGED	124'	**DIRECTIONAL SURVEY**	–
HOLE DIAMETER	6"	**TEMPERATURE**	–
WATER FACTOR	1.191	**OPERATOR**	J. Hudson
RESISTIVITY	OHMS/INCH	**DRILLER**	Bill
SELF POTENTIAL	M.V./IN.	**CONTRACTOR**	Jim Williams
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	**LAST A.E.C. PIT RUN**	11-4-74
BOTTOM	79'	**FLUID LEVEL**	
TOP	53'	**REMARKS:**	
TOTAL FEET	26'		
SCALE RUN	10KCPS		



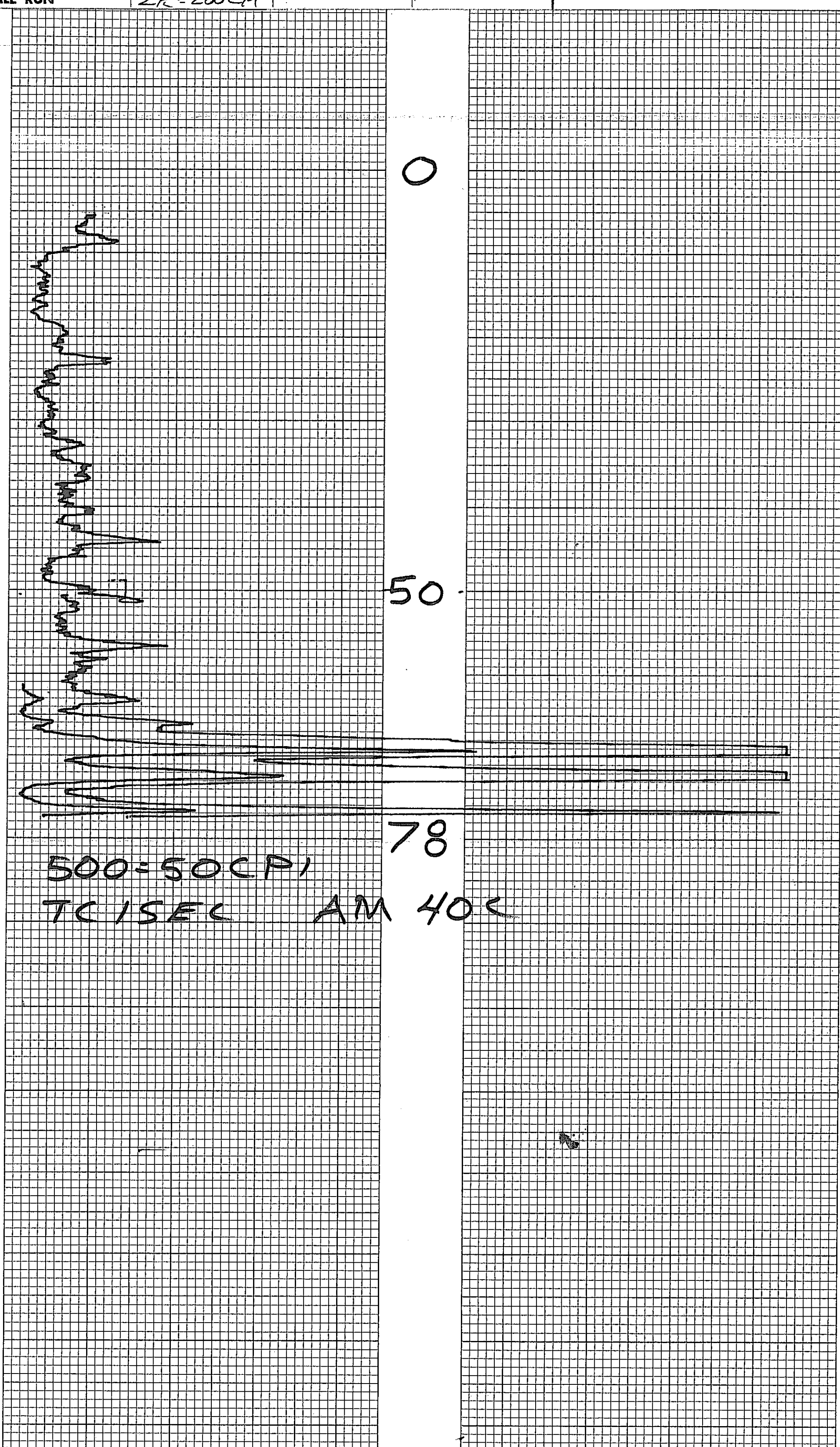
MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM40C

LOCATION	ANDERSON MINE	**GAMMA SCALE**	500=50CPI
COUNTY	YAVAPAI **STATE** AZ	**PROBE TYPE**	SCINT
GP.	**ELEV.**	**K-FACTOR**	5.42 E-5
		DEAD TIME	7.75 μSEC
		TIME CONSTANT	1 SEC
SEC.	**TWP.** **RGE.**	**PROBE DIA.**	1 5/8"
DATE	9-23-77	**CALIPER**	
DEPTH DRILLED	80	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	78	**TEMPERATURE**	
FOOTAGE LOGGED	94	**OPERATOR**	ERICKSON
HOLE DIAMETER	4"	**DRILLER**	TALBOT
WATER FACTOR	1.0	**CONTRACTOR**	BOYLES BROS
RESISTIVITY	— OHMS/INCH	**LAST A.E.C. PIT RUN**	
SELF POTENTIAL	— M.V./IN.	**FLUID LEVEL**	

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	78		
TOP	62		
TOTAL FEET	16		
SCALE RUN	2k=200CPI		

REMARKS:



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PROJECT Anderson Mine HOLE SIZE ☐ AIR ☐ WATER HOLE NO. AM-31

ELEVATION NORTH EAST LOGGED BY TSH DATE 4-4-75

SECTION 14 TOWNSHIP 11N RANGE 10W T.D. 435 P.D. 418

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

0-5 ss, buff, fn-vcse grn
5-15 sltstn, buff, v sandy
15-25 ss, buff, fn-v.csse grn, subangular, glz, lt blk, m
r-c lm sltn
25-35 sltstn, buff, v sandy
35-105 ss, buff, fn-csse grn, subangular, glz, lt blk
mica, r-c. lm sltn w/ r-c. interbed buff sltstn

105-135 mdstn, lt grn-grn & wh w/r grn & pnk chert
c. interbd wh ls

135-155 mdstn lt olive grn, v calcareous w/ interbd
wh ls & r. grn chert

155-175 mdstn & ls, wh w/ red interbd chert

175-195 mdstn & ls, wh w/ abund interbd grn &
red chert

195-205 mdstn, pnk w/ interbd wh ls & grn chert
v. calcareous
205-215 mdstn, v. calcareous grn-grn & wh
215-230 mdstn, wh, w/c. interbd red chert & abu
wh ls
230-240 mdstn, red & olive w/ c. interbd wh ls @
bottom
240-245 ls, wh w/c wh mdstn, c. grn chert
245-255 mdstn, red & olive, v. calcareous
255-280 mdstn, olive, slightly calcareous

280-300 mdstn & ss interbd, red & olive
ss, pnk-lt grn w/ abund clay

300-310 mdstn, red & orange
310-355 mdstn, red w/ r.-c. lt. olive grn mdstn

355-TD drilled by water injection, samples v.
poor & highly contaminated
358-380 mdstn, as above?

380-435 basalt, blk
Basement

435' T.D.

MINERALS EXPLORATION CO.

AM 31 make double

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☐ WATER HOLE NO. AM-31

ELEVATION NORTH EAST LOGGED BY TSH DATE 4-4-75

SECTION 14 TOWNSHIP 11N RANGE 10W T.D. 435 P.D. 418

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

0-5 ss, buff, fn-cse grn
5-15 sltstn, buff, v sandy
15-25 ss, buff, fn-v.csse grn, subangular, glz, lt blk, mic
r-c lm sltn
25-35 sltstn, buff, v sandy
35-105 ss, buff, fn-csse grn, subangular, glz, lt blk,
mica, r-c. lm sltn w/ r-c. interbd buff sltstn

105-135 mdstn, lt grn-grn & wh w/r grn & pnk chert
c. interbd wh ls

135-155 mdstn lt olive grn, v calcareous w/ interbd
wh ls & r. grn chert

155-175 mdstn & ls, wh w/ red interbd chert

175-195 mdstn & ls, wh w/ abund interbd grn &
red chert

195-205 mdstn, pnk w/ interbd wh ls & grn chert
v. calcareous
205-215 mdstn, v. calcareous grn-grn & wh
215-230 mdstn, wh, w/c. interbd red chert & abu
wh ls
230-240 mdstn, red & olive w/ c. interbd wh ls @
bottom
240-245 ls, wh w/c wh mdstn, c. grn chert
245-255 mdstn, red & olive, v. calcareous
255-280 mdstn, olive, slightly calcareous

280-300 mdstn & ss interbd, red & olive
ss, pnk-lt grn w/ abund clay

300-310 mdstn, red & orange
310-355 mdstn, red w/ r.-c. lt. olive grn mdstn

355-TD drilled by water injection, samples v.
poor & highly contaminated
358-380 mdstn, as above?

380-435 basalt, blk
Basement

435' T.D.

MINERALS EXPLORATION CO.

AM 31 PG 2 of 2 double

PROJECT Anderson Mine Yavapai Co. Ariz. HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM 32

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY Ljung DATE 23 March '75

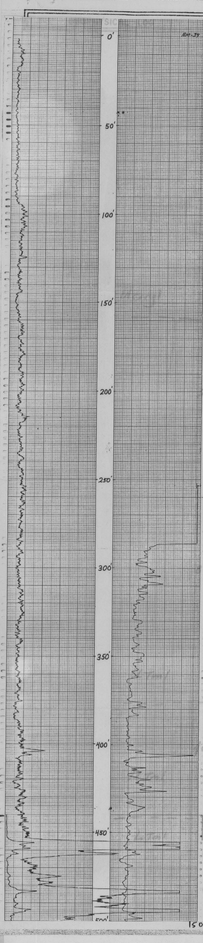
SECTION _____ TOWNSHIP 11N RANGE 10W T.D. _____ P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
UTml	0					0-5 Sluff off cliff: Basalt, Andesite, Clay
						5-15 Siltstone: brown; limy
	20					15-45 Siltstone & Clay: olive, wh, brown @ 35' w/ wh lmst stringr.; limy; silicified 40'-45'
MTml						
	40					45-65 Limstn: wh clay: wh bentonite
	60					65-75 Clay: olive
						75-85 Clay: olive, silicified, common orange chert
	80					85-105 Limstn: wh clay: wh, bentonite
	100					105-115 Siltstone: olive, no silicification
						115-135 Lmstn: wh clay: wh bentonte chert: clr pink, or
	20					
						135-145 Clay: olive
	40					145-165 Lmstn: pink, wh chert: abnt, red
	60					
LTml						165-185 Clay & siltstone: green, red, ~~silicified~~ Lmstn, chrt stringr @ 175': pink, rd
	80					185-205 Siltstone: olive, brown
	200					205-215 Siltstone: olive, silicified @ 210'
						215-230 Siltstone ~~SS~~: Sandy Siltstn brown, v f grain
	20					
						230-245 Silty SS: brown or, v f to c grn, arkosic subangl, com rock grains, com limn. stn
	40					
						245-255 Clay & Siltston: green, rd brown
						255-270 Clay & Siltstone: olive, bright orng
	60					270-305 Siltstone, Clay: brown, olive, red brown
	80					
Basemnt	300					305-335 Agglomerate: pink andesite; gravel; basalt; clay: red brown; very c grain
	20					
	40					T.D.
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

PROJECT Anderson Mine Yavapai Co. HOLE SIZE ☑ AIR ☐ WATER HOLE NO. AM-34

ELEVATION NORTH Arizona EAST LOGGED BY Lyng DATE 26 March '75

SECTION TOWNSHIP 11N RANGE 10W T.D. P.D.



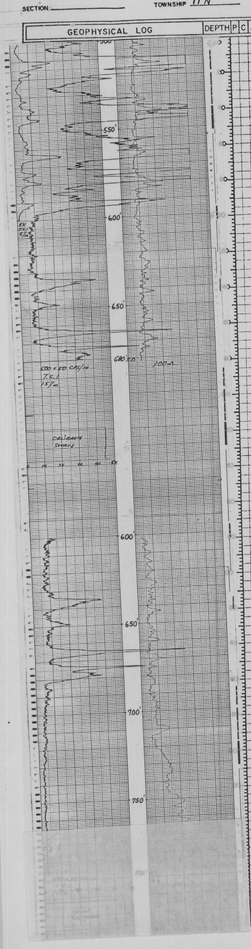
DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0-20					Conglomerate : grey, abnt diabase rock com basalt, com granitic rock
20-95					Basalt : black, com orte blebs
95-125					Conglomerate : RBD, abnt hem stain, subangl, arkose,
125-160					Welded Tuff ?? : white, no limstn, scattered SS: or, f grain, arkose. com grey siltstone ??
160-175					Siltstone : orange, brown.
175-190					Siltstone : brown
190-200					Siltstone & SS: brown, v f grain
200-240					Siltstone & Clay : brown to orng brown. grey @ 205-210, v f grn sand @ 240:
240-260					Siltstone & Clay : orange
260-261					Siltstone & Clay : olive
261-300					Siltstone & Clay : orange
300-315					Siltstone : orange
315-320					Siltstone & Clay : olive
320-375					Siltstone : brown, red brown, olive SS @ 345-350, 365-370 may be contamination: or, cgrn, subangl, arkose red brown siltstone boarders on v f grn SS : may be contamination
375-380					Lmstn Stringer : white, platy
380-385					Siltstone : brown
385-400					Siltstone : olive
400-405					Lmstn : wh, com blk mag? dendrite, green silty orchert, clear silica veinlets
405-410					Siltstn : olive, silicified
410-430					Lmstn : white, com orchert
430-450					Siltstn : green
450-460					Clay : Lignitic black, blue green
460-465					Clay : buff, waxy texture
465-490					Clay & siltstn : blue green, scattered lignitic blk clay stringers
490-505					Black Lignitic siltstn

Am 34 dbl 1 of 2

PROJECT Anderson Mine Yavapai Co. HOLE SIZE ☑ AIR ☐ WATER HOLE NO. AM-34 (contin)

ELEVATION NORTH Arizona EAST LOGGED BY Lyng DATE 26 March '75

SECTION TOWNSHIP 11N RANGE 10W T.D. P.D.



DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
505-525					Siltstone : blue green
525-545					Black Lignitic siltstone ; Lmstn: 530-540 brown
545-550					Siltstone : blue green
550-560					Lignite : black, friable, platy
560-570					Siltstone : blue green
570-575					Lignite : black, rare pyrite xals
575-580					Chert : black
580-605					Siltstone : blue green, w/ black silt stringers
605-620					Siltstone : red brown
620-630					SS: or brown, v f grain, abnt hem. stn.
630-640					Siltstone : red brown
640-645					SS: or brown, v f grain
645-655					Siltstone : red brown
655-660					SS: orange, v f grain
660-675					SS: grey, v f grain
675-680					SS: dark red, v f grain
680-790					SS or
790-790					Volcanic debris ; abnt SS contam dark red brown w/ wh specks

MINERALS EXPLORATION CO.

CASING WITHDRAWN				HOLE NO. AM-34	
LOCATION Anderson Mine				CASING HOLE 20"	
				DRILL TYPE Ingersoll-Rand	
COUNTY Yavapai	STATE Arizona			LOCATION 3 Miles N	
LAT.				DRILL TIME 8 hours	
LONG.				TIME STARTED	
TD 505'	MD 10			DRILL DEL. 1 1/4"	
DATE 3-27-75				CONTINUOUS REPORT	
DATE DRILLED 3-26				COMPLETION	
DRILLER STARTED 9:00				DRILLER Ed Bennett	
DRILL FINISHED 12:00				DRILLER 3 Men	
DRILL COMPLETE 5" 0-20', 7 7/8"				LOCATION Anderson	
DRILL FACTOR				LAST DRILL TD DATE 3-27-75	
DRILL CUTTY 24	BIT NO.			FLUID LEVEL	
DRILL PRESSURE	BIT SIZE				
DRILL	TO 100'	100-400	400-505	3-27-75	
MOTOR	600'			Hole deepened to 755'	
TOP	755'				
TOTAL MD	755'				
HOLE MD	755'				

Note!
Making warm H_2O @ 625'
Rotten egg odor from lignite zones.
Abundant contamination 315 → TD
from up hole.
Went to H_2O injection @ 315'

Am 34 double 2 of 2

PROJECT *Anderson Mine* HOLE SIZE ☐ AIR ☐ WATER HOLE NO. *AM-35*

ELEVATION NORTH EAST LOGGED BY *TSR* DATE *4-3-75*

SECTION *16* TOWNSHIP RANGE T.D. *700* P.D. *697*

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						0-20 Gravel,
						20-95 Congl, buff-gry buff, c. basalt frag. r. green rk frag, r-c. buff ss interbed.
						95-125 ss, buff, fn-crse grn, subangular-angular, g's, feldspar, mica, t-r rk frag, r. lm stn
						125-150 ss, lt. buff, v fn-crse grn, subangular, as above,
						150-205 ss, buff, fn-crse grn, subangular, g's, feldspar, mica, r. clay, t. interbed sltstn
						205-220 sltstn, grn-gy, v sandy w/interb ss
						220-255 ss and sandy sltstn interbed, buff
						255-265 sltstn, buff & red variegated, slightly sa
						265-300 ss, gry-buff, fn-med grn, subangular, g's, feldspar, r. rk frag, r. lm stn w/r-c. interbed buff st
						300-310 ss, gry, fn-med grn, subangular, g's, feldspar, r. lm stn,
						310-340 ss, gry & gry-buff, as above w/interbed sltstn
						340-365 ss & mdstn, gry & wh as above,
						365-385 ss gry & gry-buff, fn-med
						385-420 mdstn, lt gry-buff, slightly sandy (v. poor samples)
						420-440 mdstn, gry-grn, slightly sandy

35 double 1 of 2

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						v. cheerless, v. poor samples
						440-495 mdstn, lt. olive gry w/r. wh ls
						495-510 mdstn, lt. olive-gry w/c. wh ls
						510-540 mdstn, olive-grn w/t. brn mdstn
						540-565 mdstn, gry-grn, r. wh stringers w/c. calcite a
						565-575 mdstn, grnsh-olive
						575-610 mdstn, kakiz-grn, slightly sandy w/t. wh ls @ btm
						610-620 mdstn & ls, wh v. sandy @ base
						620-640 ss, grnsh olive, fn-med grn, subangular, t-lm stn, g's, feldspar, r-c. interbed mdstn w/ increase depth, mica, ls frag.
						640-675 ss, grnsh-gry, fn-med grn, subrounded-subang g's, feldspar, biotite, t-lm stn, r. interbed ls & mdstn frag.
						675-695 ss, grnsh-gry, grnsh-buff a: above w/interbed red clay frag. & red rk frag
						695-700' T.D. Basalt, blk

(Note: began producing H_2O @ ~685' on hole) began to wash out & cave in

(Samples from 385-700 generally extremely contaminated. Mudstns contained v. little decipherable frag. apparently above & high in bentonite.)

MINERALS EXPLORATION CO.

COUNTY *Uinta* STATE *Wyoming*	HOLE NO. *AM-35*
LOCATION *Anderson Mine*	DATE *4-3-75*
SEC. *16* T. *15 N.* R. *70 W.*	LOGGED BY *TSR*
ELEV.	TOTAL DEPTH *700*
DATE DRILLED *7-3-72*	DATE PLUGGED
DATE LOGGED *4-3-75*	
DATE CASED *4-3-75*	
PRESENT OWNER *Kerr-McGee Corp.*	
CLERK TOOTH *Kerr-McGee Corp.*	
DIRECTION	
DIST. FROM	
DIP	
TOTAL DEPTH	
TOP BOR	
TOP CSG	
TOP ROD	
TOP TUB	
TOP PUMP	
TOP BOP	
TOP SEPR.	

Azm 35 2/2 double

PROJECT Anderson Mine HOLE SIZE _____ ☒ AIR ☐ WATER HOLE NO. AM-36

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY TSH DATE 4-2-75

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 205 P.D. 203

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						0-25 mdstn, olive w/c. interbed wh ls
	20					
						25-30 mdstn, olive & buff, buff color due to abund. rd-buff chert
						30-45 mdstn, olive, tr. wh & red chert
	40					
50						45-125 Vol., wh-gry w/ abund bttc, qtz, felds phno.
						v. easy drilling
	60					
	80					
100'	100					
	20					
						125-130 Vol, pnk, as above
						130-205 Vol, gry-wh, as above
	40					
150'						
	60					
	80					
200'	200					
						205' T.D.
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-36

LOCATION	ANDERSON MINE	GAMMA SCALE	
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.31 x 10^-5
GP.	1,202,128 N 247,640 E	DEAD TIME	9.6 μSEC
ELEV.	2044	TIME CONSTANT	1
SEC.		PROBE DIA.	1 7/16"
TWP.	11	CALIPER	—
RGE.	10	DIRECTIONAL SURVEY	—
DATE	4-2-75	TEMPERATURE	—
DEPTH DRILLED	205'	OPERATOR	D. GRADLEY
DEPTH LOGGED	203'	DRILLER	BILL
FOOTAGE LOGGED	203'	CONTRACTOR	Tim Williams
HOLE DIAMETER	6" TO 205'	LAST A.E.C. PIT RUN	11-4-74
WATER FACTOR	1.191	FLUID LEVEL	DRY
RESISTIVITY	— OHMS/INCH	REMARKS:	
SELF POTENTIAL	— M.V./IN.		

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

36

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☐ WATER HOLE NO. AM-3B

ELEVATION NORTH EAST LOGGED BY TSN DATE 4-6-75

SECTION 14 TOWNSHIP 11N RANGE 10W T.D. 578 P.D. 578

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					0-15 Congl, pnk w/c. rk. frag.
	20					15-25 Basalt, blk & r. pnk congl
	40					25-125 Congl, pnk, c. rk frag.
50	60					
	80					
100	100					
	120					125-220 ss, buff/lt. buff, v.f.-med grn, subangular, s Poly, mica, r. rk frag, t. r. interbd siltst
	140					
150	160					
	180					
200	200					
	220					220-225 siltstn & ss, olive-buff
	240					225-235 ss, buff, v.f.-med grn, subangular, gds, feldy, mica, l opaline strata
250	260					235-290 mdstn & siltstn interbdd, lt. olive-buff, slightly calcareous
	280					
300	300					290-305 mdstn, olive-grn & wh w/r. interbd wh ls & abnd lt. pnk chert & brn chert
	320					305-350 mdstn, olive-gry, calcareous
	340					
350	360					350-360 ls, wh w/minor t. wh & gry chert
	380					360-380 mdstn, olive-grn & olive, calcareous
	400					380-430 mdstn & lt. olive-gry & wh, v. calcareous

AM 3B double 1 of 2

	420					430-450 mdstn, r. olive-grn, c. pnk & abnd wh, v. calcareous w/c. interbd wh ls & t. pnk chert
450	440					450-475 mdstn, grysh olive-grn, slightly calcareous
	460					
	480					475-510 mdstn olive-grn & wh, v. calcareous
500	500					510-535 mdstn, gry, w/c. red chert
	520					
	540					535-575 Vol, red & gry Basalt Basement
550	560					
TD 578	580					575' T.D
	600					

ERALS EXPLORATION CO.

WEIGHING

HOLE NO.	AM-3B		
ELEVATION	4000		
DATE	4-6-75		
LOCATION	Sec 14		
HOLE DIA	5.5 in		
TOTAL DEPTH	578		
DATE			
DRILLING METHOD			
DRILLER	Tabor		
HELPER	Bill		
WATER LEVEL	Artesian		
HOLE DEPTH	4-6-75		
REMARKS			

AM double 2 of 2

PROJECT Anderson Mine HOLE SIZE _____ ☑ AIR ☐ WATER HOLE NO. AM-40

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY TSH DATE 4-8-75

SECTION _____ TOWNSHIP 11N RANGE 10W T.D. 100 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						0-15 silicified mdstn, lt. buff
	20					15-25 ls & silicified mdstn, gry-buff
						25-45 ls, wh w/c. olive mdstn & red, gry, or chert
	40					
50'						45-50 mdstn, olive
						50-70 mdstn, olive-gry w/abund. gry, red, or chert
	60					
						70-75 mdstn, lt. olive & red
	80					75-80 lignite, blk & carbonaceous mdstn
						80-85 mdstn, dark gry, v. carbonaceous
						85-90 mdstn, olive
						90-95 mdstn, buff & olive
	100					95-100 Vol., blk w/ epidote & brn min. in ves. Basalt, Basement
						100' TD
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

10KCPS
T.C.1 2 5'/m

500 CPS = 50 CPS
T.C.1 15'/m

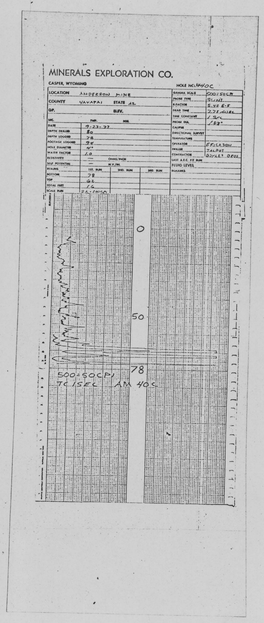
96'

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-40

LOCATION	Anderson Mine	GAMMA SCALE	500
COUNTY	Yavapai STATE Arizona	PROBE TYPE	Scint.
GP.	1,207,515N 641,963E ELEV. 1798	K-FACTOR	2.31^{10-5}
SEC	TWP. 11N RGE. 10W	DEAD TIME	9.6 Msec.
DATE	4-7-75	TIME CONSTANT	1
DEPTH DRILLED	100'	PROBE DIA.	1⅜
DEPTH LOGGED	98'	CALIPER	–
FOOTAGE LOGGED	124'	DIRECTIONAL SURVEY	–
HOLE DIAMETER	6"	TEMPERATURE	–
WATER FACTOR	1.191	OPERATOR	T. Hudson
RESISTIVITY	OHMS/INCH	DRILLER	Bill
SELF POTENTIAL	M.V./IN.	CONTRACTOR	Jim Williams
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	11-4-74
BOTTOM	79'	FLUID LEVEL	
TOP	53'	REMARKS:	
TOTAL FEET	26'		
SCALE RUN	10KCPS		

AM 40



AM
40C
P1/2
dbl

DIAMOND DRILL LOG

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

DEPTH 59-78
BEARING
INCLINATION

HOLE No. AM 40C
SHEET 1 OF 1
PROPERTY MECOM
COUNTY
COUNTY COORD. N. E.
COLLAR ELEV.

STATE AZ

ASSAYS		% RECOV	DEPTH 63	GEOL	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
			50					
						NO CORE		
			60	57	59-61 abundant chert veins 59-66 altered rk breccia.	+ very w/silica filling - heavy + jarosite stain assoc. sulphide + jarosite stain 59-65 65.5-71.8 chlorite/silicified		mod stone - moderate dive brown 57 4/4 horizontal bedding, local chert veining & silicious veg filling. Fe oxide staining local yellow green clay in vein good to poor bleached matrix
					-64.3 dark ls -65 6" silty clay - poorly bleached -66 yellow clay in veins	66-68 cherty zone heavy jarosite stain - horizontal bedding		
			70		-70 yellow oxide ornimin mineral(?) -71.8 1' clay -72.8-78 clayey siltstone -75.5 continuous zone 1/4" -76-77 poorly bleached - Fe oxide stain			
				78				
			80			NO CORE		
			90					
			100					
			110					

AM
40C
P2/2
dbl