CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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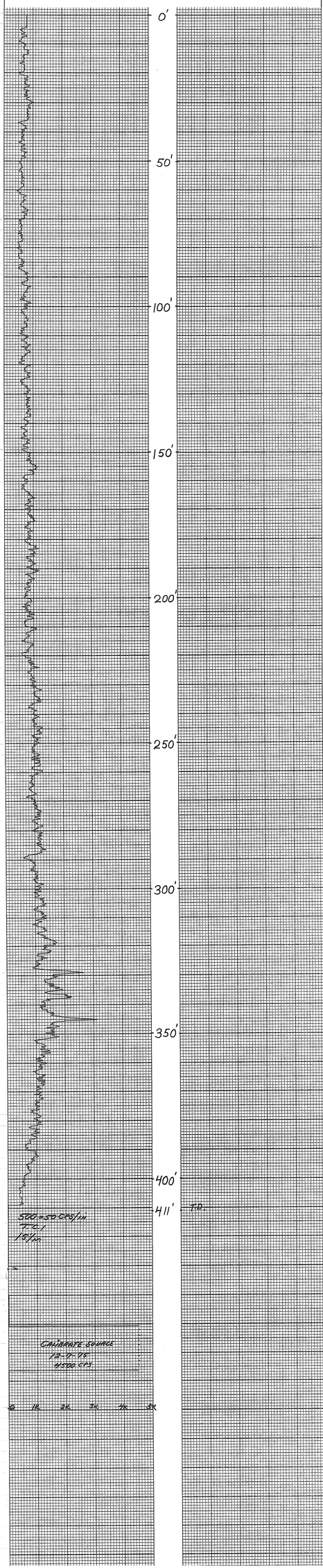
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-61

LOCATION	ANDERSEN MINE 1206 853.24N 93 160.09E	GAMMA SCALE	500=50 CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
GP.	1-206-37.70N 6-36.79E ELEV. 2017	K-FACTOR	2.25×10^{-5}
SEC.	TWP. 11N RGE. 10W	DEAD TIME	9.6 μSEC
DATE	12-7-75	TIME CONSTANT	1
DEPTH DRILLED	420'	PROBE DIA.	1 11/16"
DEPTH LOGGED	411'	CALIPER	—
FOOTAGE LOGGED	411'	DIRECTIONAL SURVEY	—
HOLE DIAMETER	(0-120' 6 1/8) (120'-420' 5 5/8)	TEMPERATURE	—
WATER FACTOR		OPERATOR	D. BRADLEY
RESISTIVITY	— OHMS/INCH	DRILLER	SHARPE
SELF POTENTIAL	— M.V./IN.	CONTRACTOR	REID
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	11-1-75
BOTTOM		FLUID LEVEL	DRY
TOP		REMARKS:	
TOTAL FEET			
SCALE RUN			



MINERALS EXPLORATION CO.

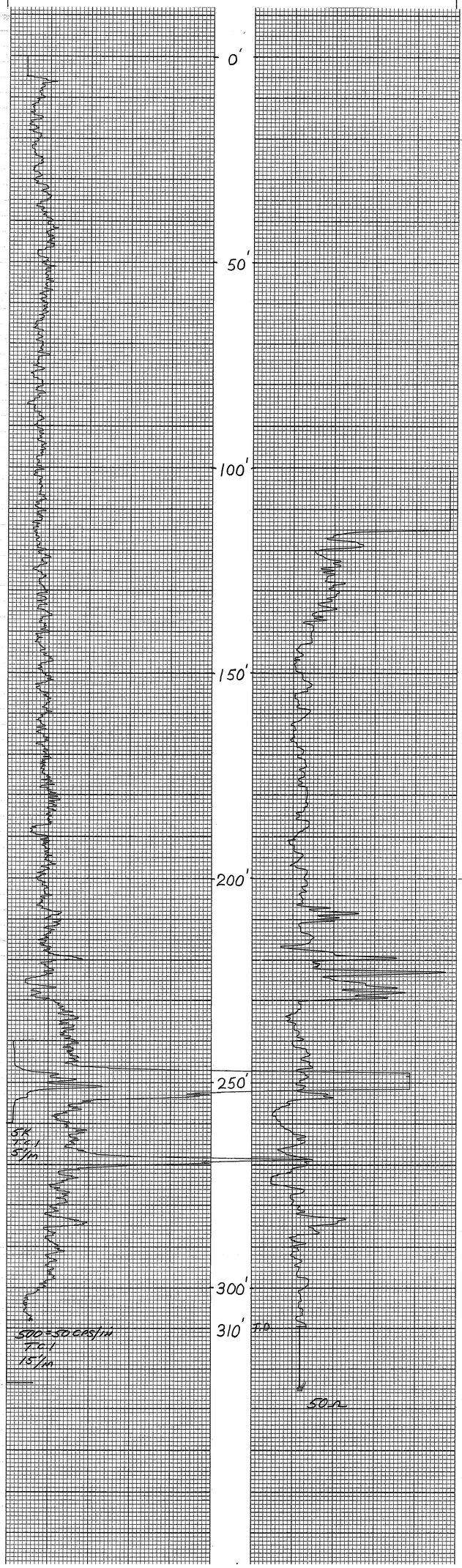
CASPER, WYOMING

HOLE NO. AM-62

LOCATION	ANDERSEN MINE 1206498.6 N 83136.72 E	GAMMA SCALE	500=50 CPS/IN
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25×10^{-5}
GP.	~~1264015N~~ ~~6361780E~~	DEAD TIME	9.6 μSEC
ELEV.	1905	TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16"
DATE	12-8-75	CALIPER	—
DEPTH DRILLED	320'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	310'	TEMPERATURE	—
FOOTAGE LOGGED	330'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0'-120' 6 1/8") (120'-320' 5 5/8")	DRILLER	SHARPE
WATER FACTOR	1.196 1.177	CONTRACTOR	REID
RESISTIVITY	10 OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	115'

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	260'		
TOP	240'		
TOTAL FEET	20'		
SCALE RUN	5K		

REMARKS:



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No. GC 12101

MINERALS EXPLORATION CO.

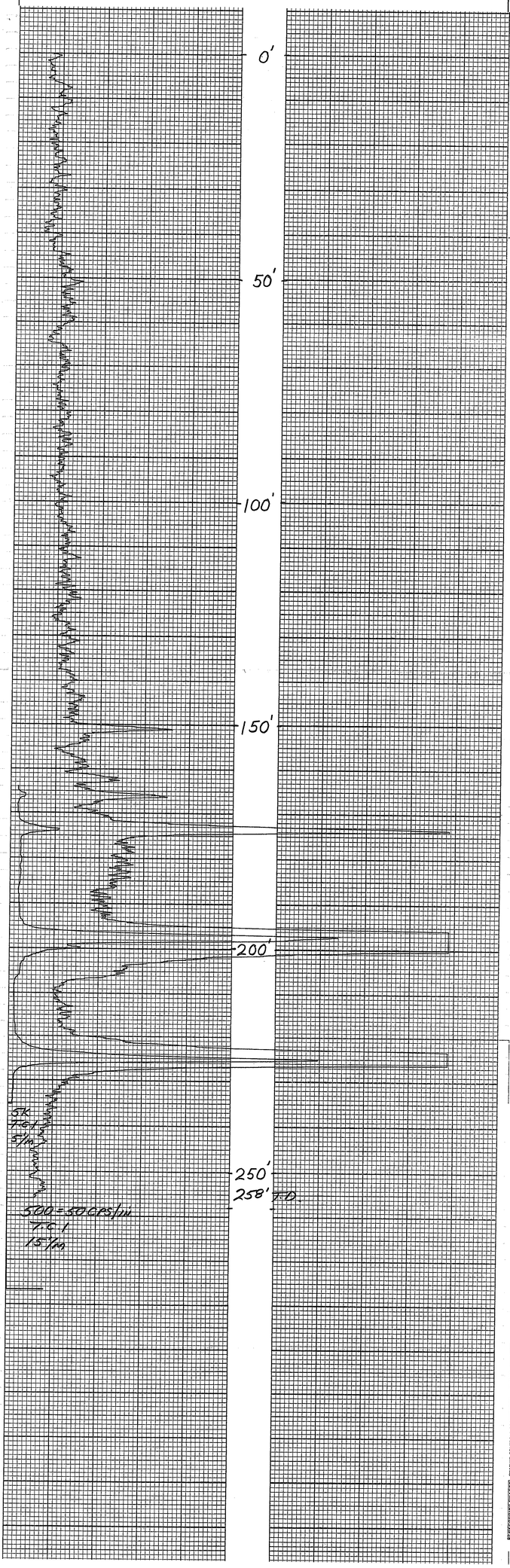
CASPER, WYOMING

HOLE NO. AM-63

LOCATION	ANDERSEN MINE 1-206 503.11N 82 385.68E	GAMMA SCALE	500 = 50 CPS/in.
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25×10^{-5}
GP.	~~1-204 006N 636,029E~~	DEAD TIME	9.6 μSEC
ELEV.	1911	TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16"
DATE	12-7-75	CALIPER	—
DEPTH DRILLED	260'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	258'	TEMPERATURE	—
FOOTAGE LOGGED	328'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0'-100' 6 1/8) (100'-260' 5 7/8)	DRILLER	SHARPE
WATER FACTOR	—	CONTRACTOR	REID
RESISTIVITY	— OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	DRY

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	235'		
TOP	165'		
TOTAL FEET	70'		
SCALE RUN	5K		

REMARKS:



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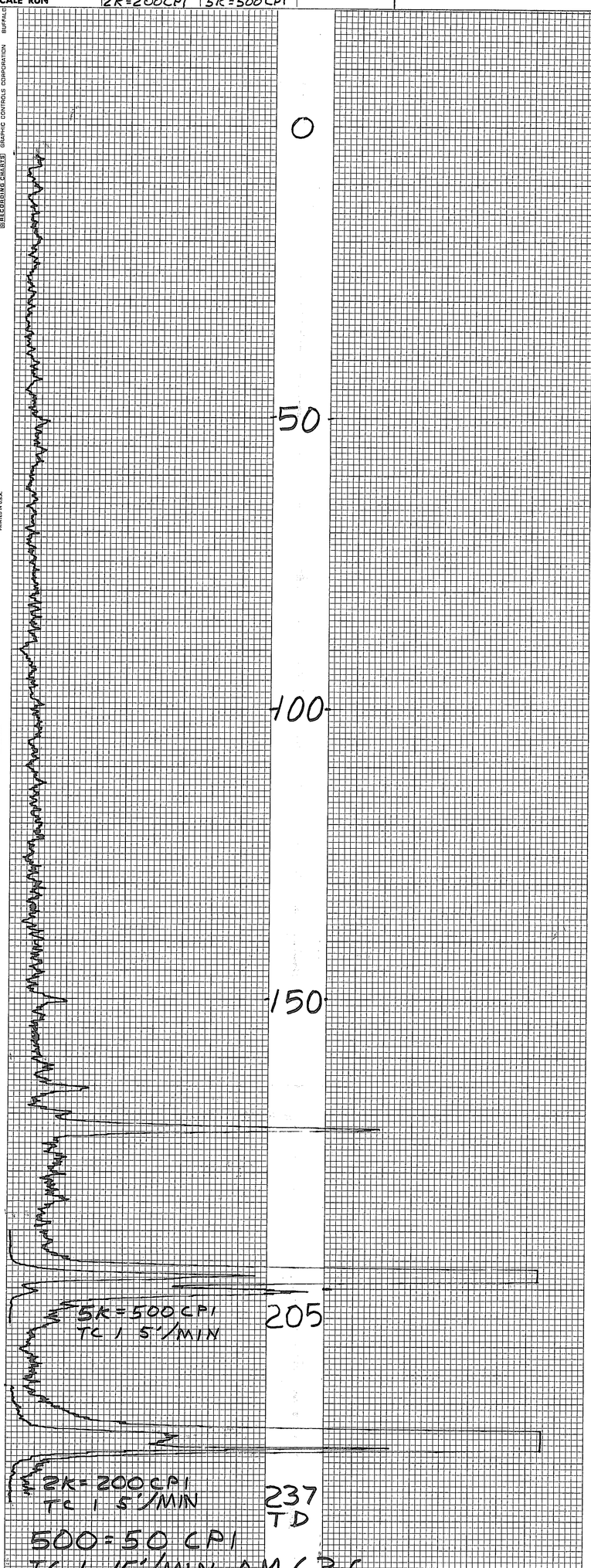
CASPER, WYOMING **HOLE NO.** AM 63C

LOCATION	ANDERSON MINE	**GAMMA SCALE**	500=50CPI
COUNTY	YAVAPAI **STATE** AZ	**PROBE TYPE**	SCINT
GP.	**ELEV.**	**K-FACTOR**	6.01 E-5
SEC.	**TWP.** **RGE.**	**DEAD TIME**	9.24 µs
DATE	10-30-77	**TIME CONSTANT**	1 SEC
DEPTH DRILLED	235	**PROBE DIA.**	1 5/8"
DEPTH LOGGED	237	**CALIPER**	
FOOTAGE LOGGED	273	**DIRECTIONAL SURVEY**	
HOLE DIAMETER	5"	**TEMPERATURE**	
WATER FACTOR	NA	**OPERATOR**	ERIC
RESISTIVITY	NA OHMS/INCH	**DRILLER**	SHELTON
SELF POTENTIAL	NA M.V./IN.	**CONTRACTOR**	"
RERUNS	**1ST. RUN** / **2ND. RUN** / **3RD. RUN**	**LAST A.E.C. PIT RUN**	8-31-77
BOTTOM	237 / 206	**FLUID LEVEL**	DRY HOLE
TOP	217 / 190	**REMARKS:**	
TOTAL FEET	20 / 16		
SCALE RUN	2K=200CPI / 5K=500CPI		



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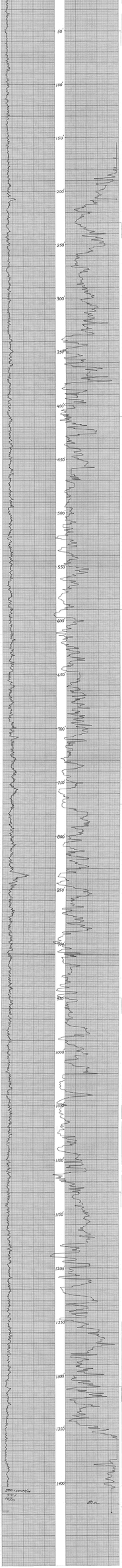
CASPER, WYOMING

LOCATION	BROOKSHIRE DOME	HOLE NO.	TOM-69
		GROUND ELEV.	5787.0 (5789.0)
		FROM TOS	5.0'
COUNTY	VERNON	STATE	OKLAHOMA
		TOTAL DEPTH	2,0.0 FEET
DATE	8-28-1956	RUN NO.	1963	DATE TOS	9-2-2011
				DRILLING COMPANY	
BIT NO.	7 7/8-6	SIZE	7 7/8	HOLE DIA.	7 7/8"
DATE	8-27-56			DEPTH	–
DEPTH DRILLED	1,0.0 FT			DRILLING SURVEY	–
DEPTH CASING	1,0.0			PROCEDURE	
POSTRUN CASING	1,0.0			OPERATOR	D. DERMOT
MUD WEIGHT	9.2 (9.0 - 9.5)				
MUD VISCOSITY	4.1 FT.			CONTRACTOR	DERMOT
RESISTIVITY	.10	OHMS/M2			DERM
MAXIMUM TEMP.				DATE A.S.S. OR RUN	11-1-56
PROBE	CC SER.	SPN SER.	SPL SER.	PLOT DATE	2011
ACTUAL				REMARKS	
TOTAL FEET					
RUNS SER.					



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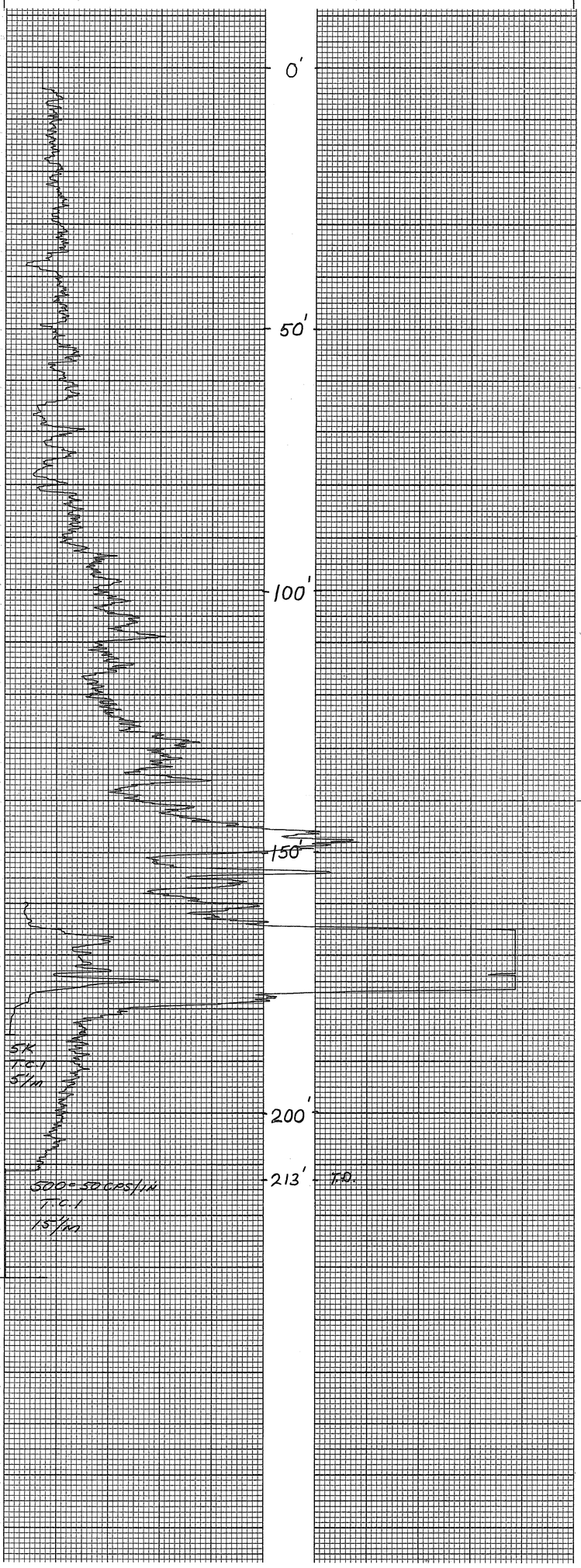
CASPER, WYOMING **HOLE NO.** AM-65

LOCATION	ANDERSEN MINE 1206 045.12 N 827 14.50 E	**GAMMA SCALE**	500=50 CPS/IN
		PROBE TYPE	SCINT
COUNTY	YAVAPAI **STATE** ARIZONA	**K-FACTOR**	2.25×10^{-5}
GP.	~~1,203,559~~ N ~~636,366~~ E **ELEV.** 1799	**DEAD TIME**	9.6 μSEC
		TIME CONSTANT	1
SEC.	**TWP.** 11 N **RGE.** 10 W	**PROBE DIA.**	1 11/16"
DATE	12-8-75	**CALIPER**	—
DEPTH DRILLED	220'	**DIRECTIONAL SURVEY**	—
DEPTH LOGGED	213'	**TEMPERATURE**	—
FOOTAGE LOGGED	208'	**OPERATOR**	D. BRADLEY
HOLE DIAMETER	0'-220' 5 5/8"	**DRILLER**	SHARPE
WATER FACTOR		**CONTRACTOR**	REID
RESISTIVITY	— OHMS/INCH	**LAST A.E.C. PIT RUN**	11-1-75
SELF POTENTIAL	— M.V./IN.	**FLUID LEVEL**	DRY

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**	**REMARKS:**
BOTTOM	185'			
TOP	160'			
TOTAL FEET	25'			
SCALE RUN	5K			



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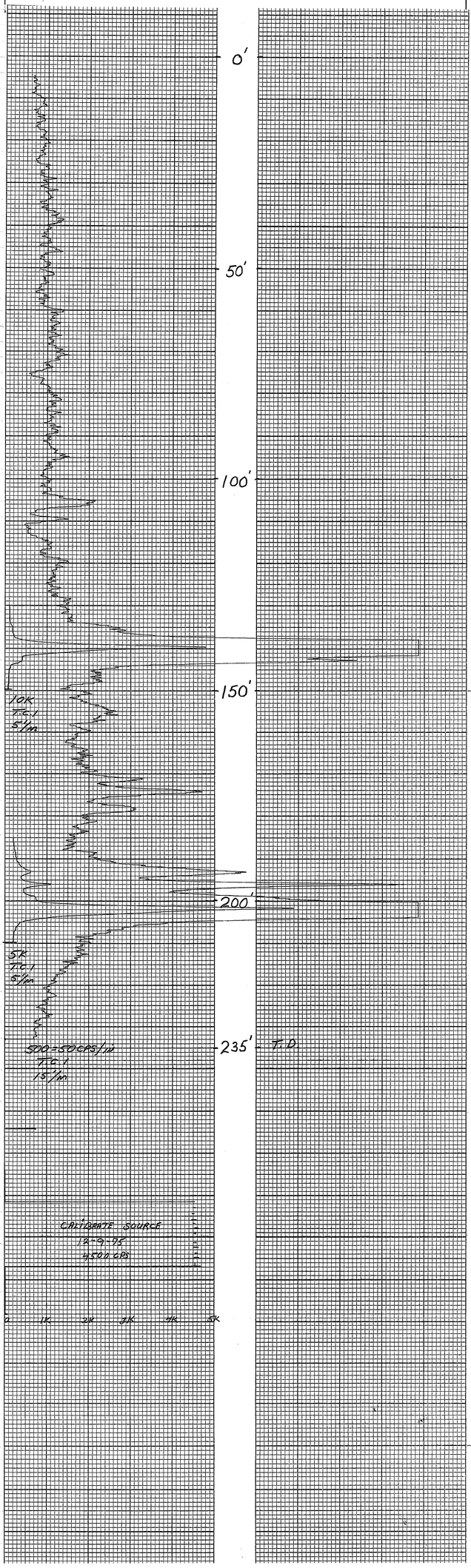
CASPER, WYOMING

HOLE NO. AM-66

LOCATION	ANDERSEN MINE 1206029.34N 83036.27E	GAMMA SCALE	500=50CPS/IN
		PROBE TYPE	SCINT
COUNTY YAVAPAI	STATE ARIZONA	K-FACTOR	2.25 X10^-5
GP. 1203344N 636,688E	ELEV. 1797	DEAD TIME	9.6 MSEC
		TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16"
DATE	12-9-75	CALIPER	—
DEPTH DRILLED	240'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	235'	TEMPERATURE	—
FOOTAGE LOGGED	280'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0'-240' 5 7/8")	DRILLER	SHARPE
WATER FACTOR		CONTRACTOR	REID
RESISTIVITY	— OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	DRY

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	210'	150'	
TOP	185'	130'	
TOTAL FEET	25'	20'	
SCALE RUN	5K	10K	

REMARKS:



MINERALS EXPLORATION CO.

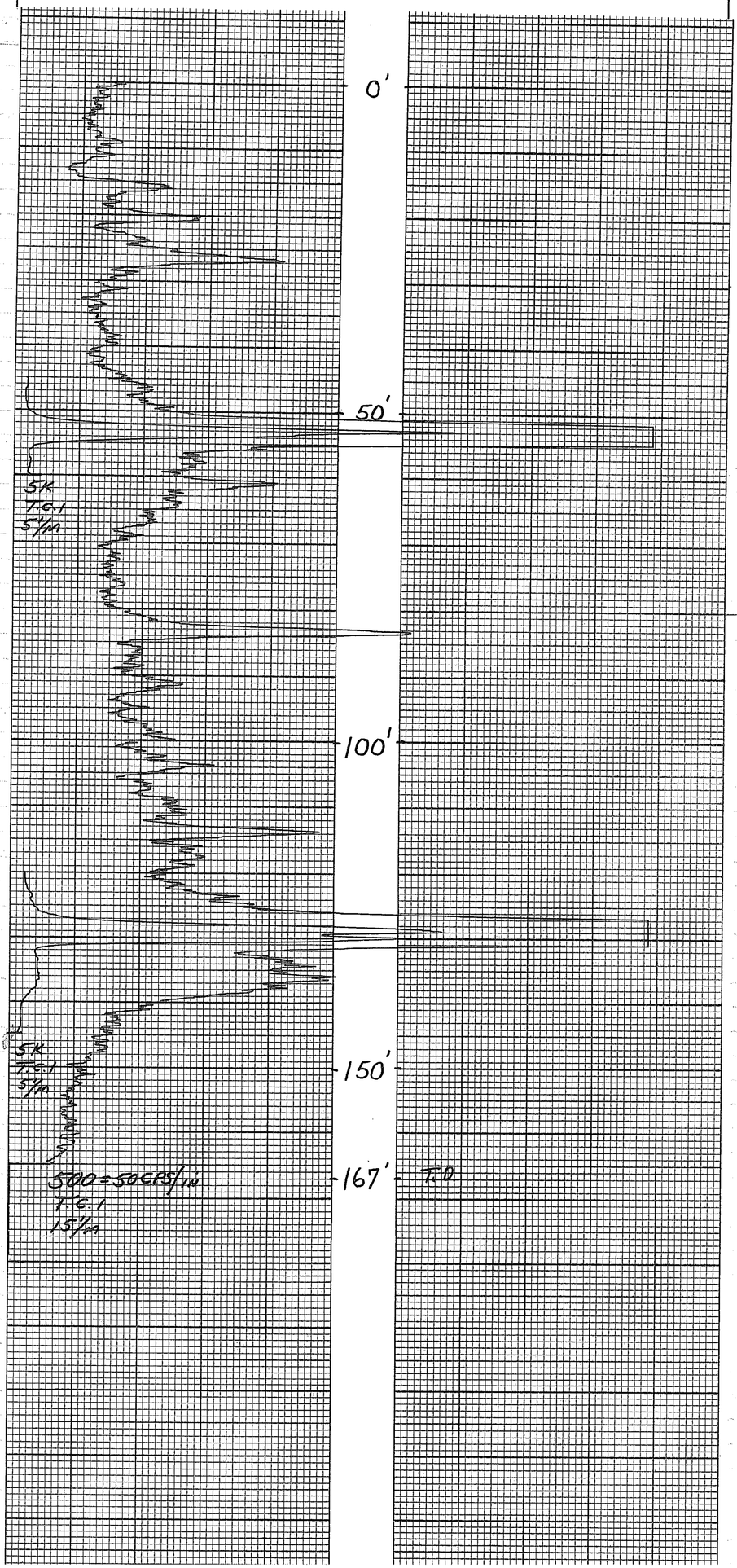
CASPER, WYOMING

HOLE NO. AM-67

LOCATION	ANDERSEN MINE 1206100.51N 82359.44E	GAMMA SCALE	500=50 CPS/in
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25 X 10^-5
GP.	~~1,203,603N~~ ~~636,010E~~	DEAD TIME	9.6 μSEC
ELEV.	1801	TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16"
DATE	12-9-75	CALIPER	–
DEPTH DRILLED	170'	DIRECTIONAL SURVEY	–
DEPTH LOGGED	167'	TEMPERATURE	–
FOOTAGE LOGGED	207'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0-170' 5 5/8")	DRILLER	SHARPE
WATER FACTOR		CONTRACTOR	REID
RESISTIVITY	– OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	– M.V./IN.	FLUID LEVEL	DRY

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	145'	60'	
TOP	120'	45'	
TOTAL FEET	25'	15'	
SCALE RUN	5K	5K	

REMARKS:



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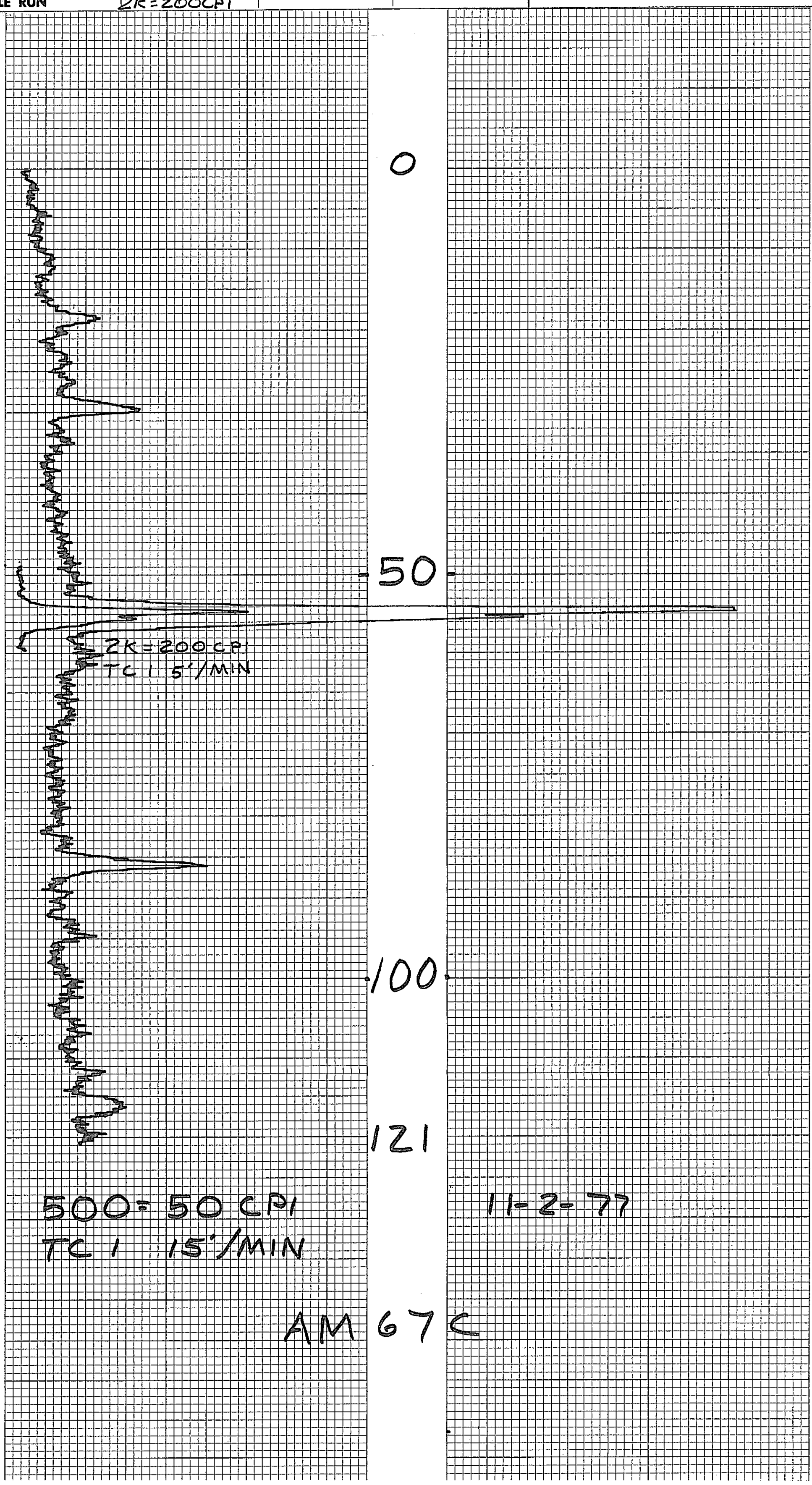
CASPER, WYOMING **HOLE NO.** AM 67C

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	**STATE**	AZ
GP.		**ELEV.**	
SEC.	**TWP.**	**RGE.**	
DATE	11-2-77		
DEPTH DRILLED	140		
DEPTH LOGGED	121		
FOOTAGE LOGGED	132		
HOLE DIAMETER			
WATER FACTOR	NA		
RESISTIVITY	NA	**OHMS/INCH**	
SELF POTENTIAL	NA	**M.V./IN.**	

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	60		
TOP	49		
TOTAL FEET	11		
SCALE RUN	2K=200CPI		

GAMMA SCALE	500=50CPI
PROBE TYPE	SCINT
K-FACTOR	6.01E-5
DEAD TIME	9.2 μs
TIME CONSTANT	1 SEC
PROBE DIA.	1 5/8"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	ERIC
DRILLER	
CONTRACTOR	SHELTON
LAST A.E.C. PIT RUN	8-31-77
FLUID LEVEL	DRY HOLE
REMARKS:	



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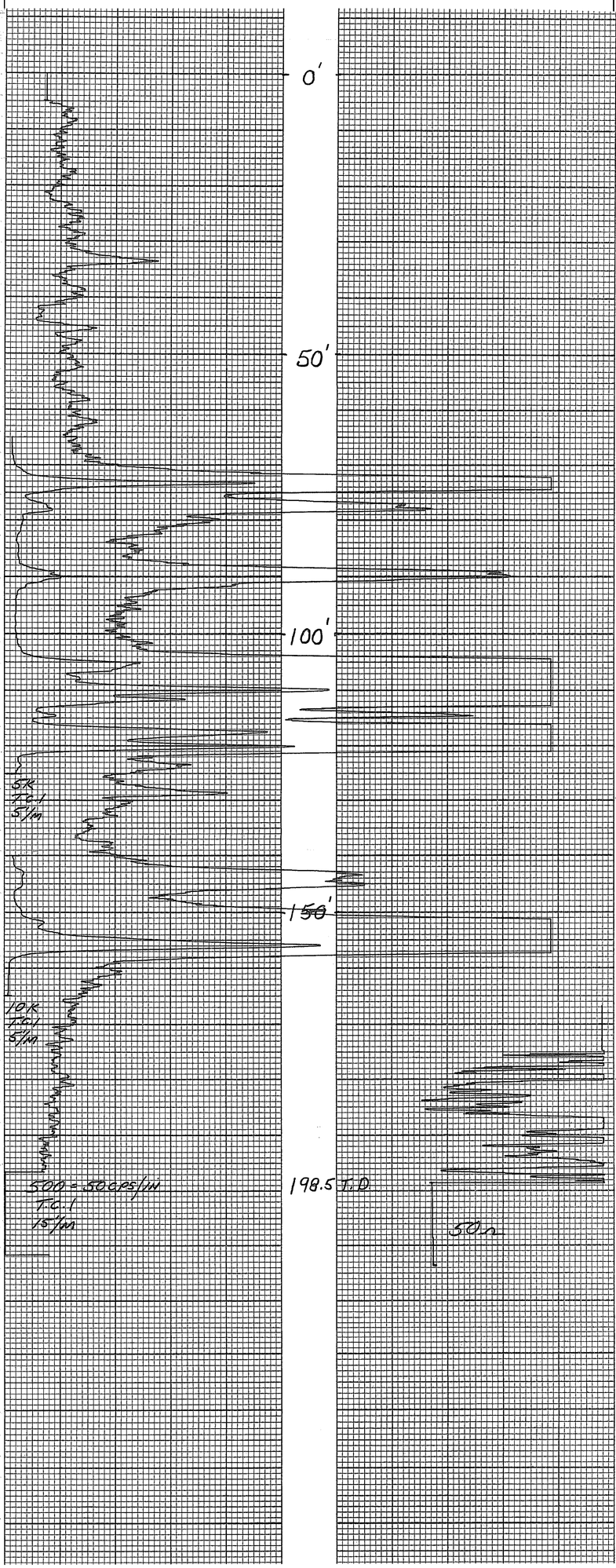
CASPER, WYOMING

HOLE NO. AM-68

LOCATION	ANDERSEN MINE 1205 681.60N 83 130.03E	GAMMA SCALE	500=50 CPS/in
		PROBE TYPE	SCINT
COUNTY	YAVAPAI	STATE	ARIZONA	K-FACTOR	2.25×10^{-5}
GP.	1,203,198N 636,788E	ELEV.	1697'	DEAD TIME	9.6 μSEC.
		TIME CONSTANT	1
SEC.	TWP. 11N	RGE. 10W	PROBE DIA.	1 1/16"
DATE	12-9-75	CALIPER	–
DEPTH DRILLED	200'	DIRECTIONAL SURVEY	–
DEPTH LOGGED	198.5'	TEMPERATURE	–
FOOTAGE LOGGED	283.5'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0'-200' 5 5/8")	DRILLER	SHARPE
WATER FACTOR	1.177	CONTRACTOR	REID
RESISTIVITY	10 OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	– M.V./IN.	FLUID LEVEL	175'

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	165'	125'	
TOP	140'	65'	
TOTAL FEET	25'	60'	
SCALE RUN	10K	5K	

REMARKS:



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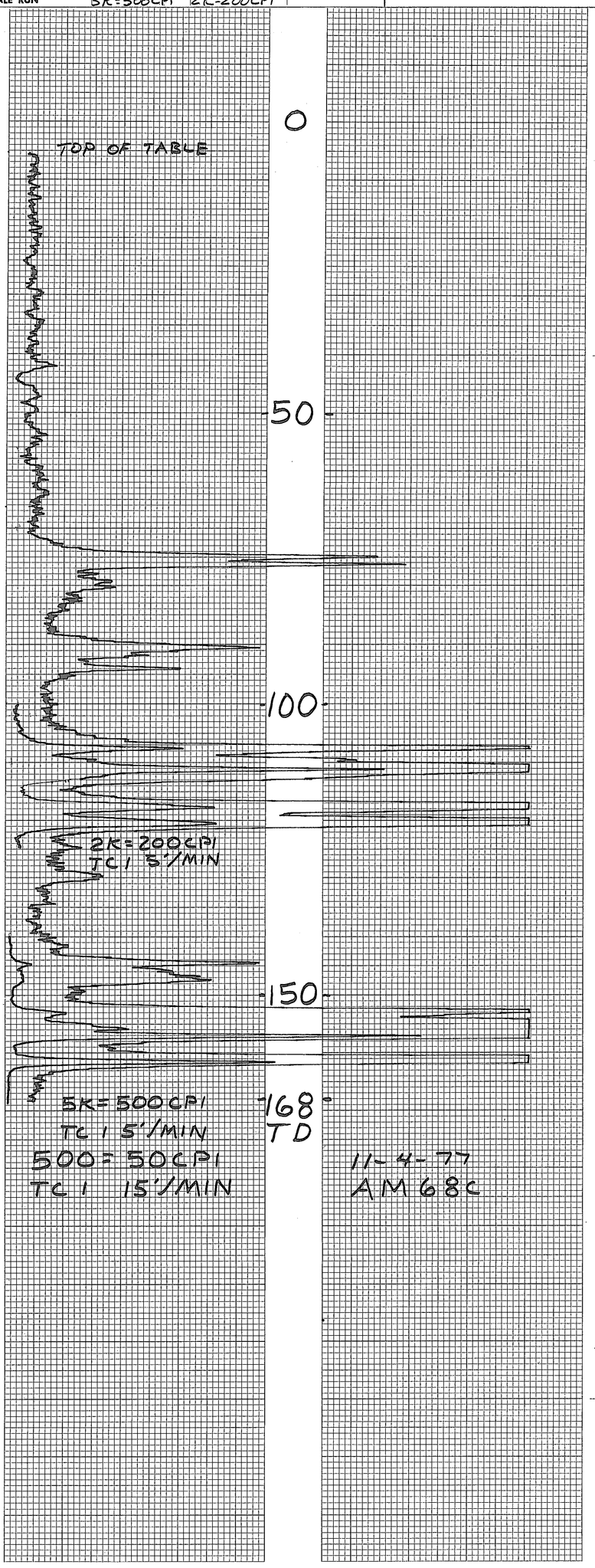
CASPER, WYOMING **HOLE NO.** AM 68C

LOCATION	ANDERSON MINE	**GAMMA SCALE**	500=50CPI
COUNTY	YAUAPAI **STATE** AZ	**PROBE TYPE**	SCINT
GP.	**ELEV.**	**K-FACTOR**	6.01 E-5
		DEAD TIME	9.2 μs
		TIME CONSTANT	1 SEC
SEC.	**TWP.** **RGE.**	**PROBE DIA.**	1 5/8"
DATE	11-4-77	**CALIPER**	
DEPTH DRILLED	165	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	168	**TEMPERATURE**	
FOOTAGE LOGGED	221	**OPERATOR**	ERIC
HOLE DIAMETER	4"	**DRILLER**	
WATER FACTOR	NA	**CONTRACTOR**	SHELTON
RESISTIVITY	NA **OHMS/INCH**	**LAST A.E.C. PIT RUN**	8-31-77
SELF POTENTIAL	NA **M.V./IN.**	**FLUID LEVEL**	NA

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	168	100	
TOP	140	125	
TOTAL FEET	28	25	
SCALE RUN	5K=500CPI	2K=200CPI	

REMARKS:



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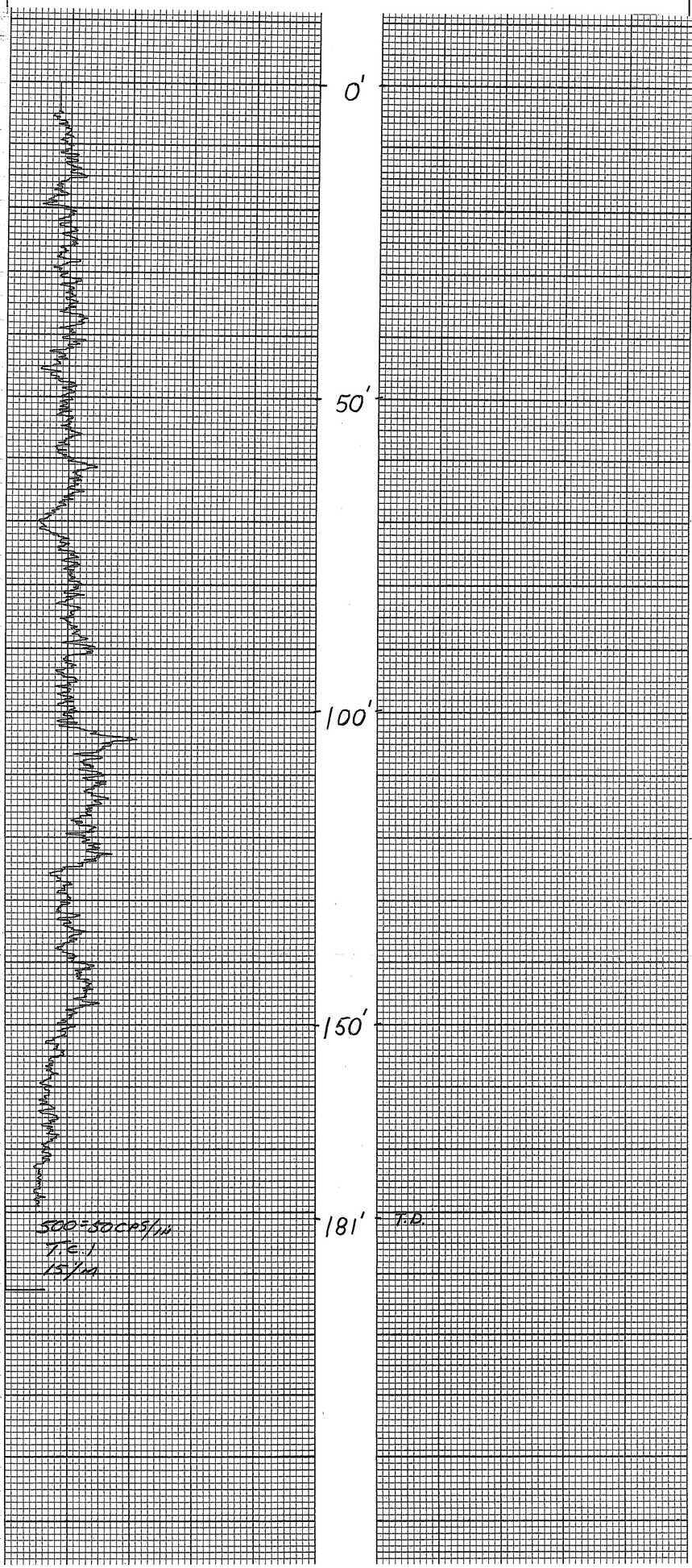
CASPER, WYOMING

HOLE NO. AM-69

LOCATION	ANDERSEN MINE 1206 013.60N 83 522.065	GAMMA SCALE	500=50CPS/in
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25 X 10^-5
GP.	1,203,537N 637,174E	DEAD TIME	9.6 μSEC
ELEV.	1757	TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16"
DATE	12-10-75	CALIPER	—
DEPTH DRILLED	190'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	181'	TEMPERATURE	—
FOOTAGE LOGGED	181'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0'-190' 5 5/8")	DRILLER	SHARPE
WATER FACTOR		CONTRACTOR	REID
RESISTIVITY	— OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	DRY

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

REMARKS:



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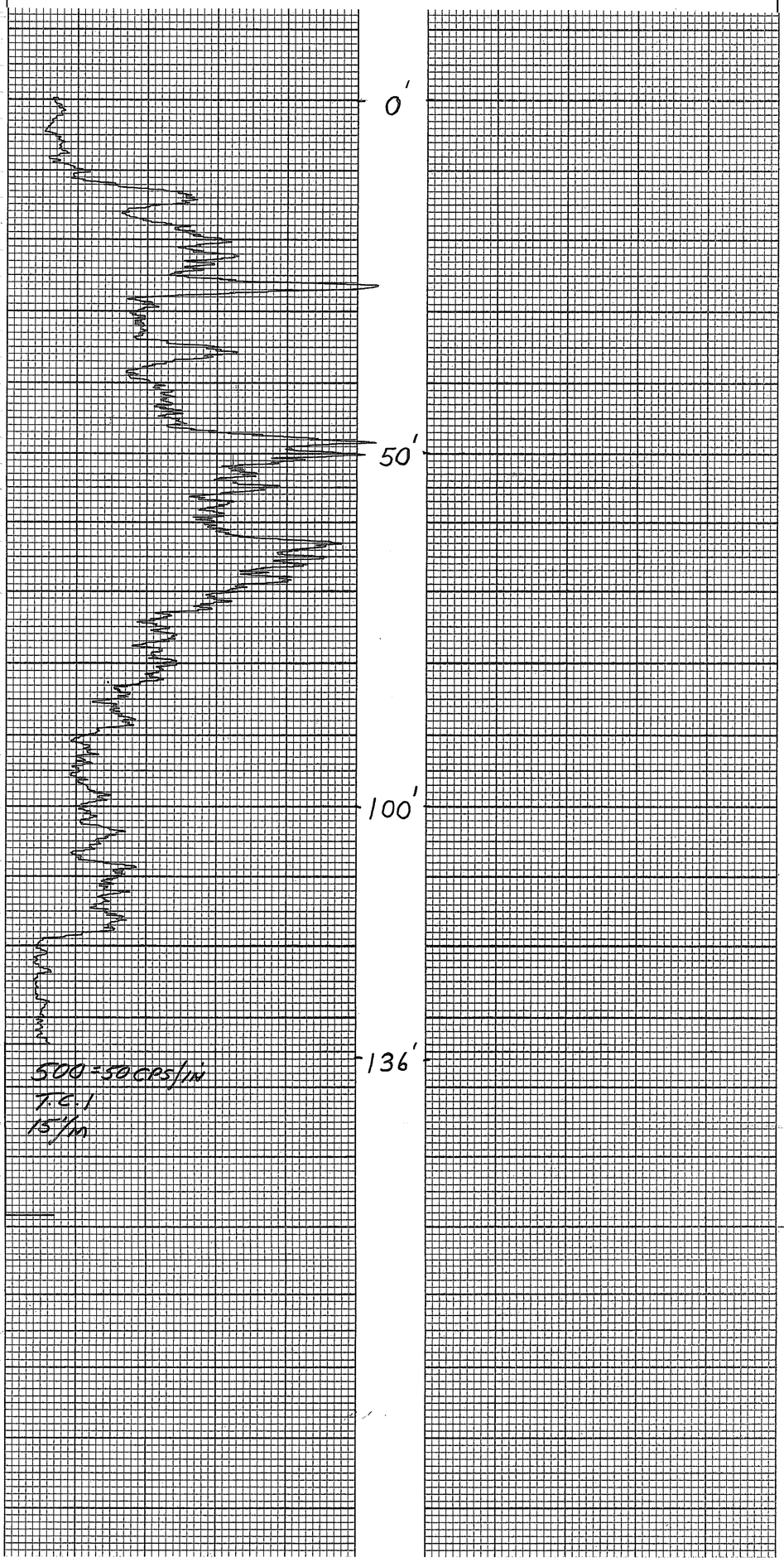
MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM-70

LOCATION	ANDERSEN MINE 1204 889.68N 82 728.73E	**GAMMA SCALE**	500 = 50 CPS/IN
COUNTY	YAVAPAI **STATE** ARIZONA	**PROBE TYPE**	SCINT
GP.	~~1,202,399 N~~ 636,401 E **ELEV.** 1741	**K-FACTOR**	2.25×10^{-5}
		DEAD TIME	9.6 μSEC
		TIME CONSTANT	1
SEC.	**TWP.** 11N **RGE.** 10W	**PROBE DIA.**	1 11/16"
DATE	12-10-75	**CALIPER**	—
DEPTH DRILLED	140'	**DIRECTIONAL SURVEY**	—
DEPTH LOGGED	136'	**TEMPERATURE**	—
FOOTAGE LOGGED	136'	**OPERATOR**	D. BRADLEY
HOLE DIAMETER	(0-140 5 5/8")	**DRILLER**	STAN
WATER FACTOR	—	**CONTRACTOR**	REID
RESISTIVITY	— OHMS/INCH	**LAST A.E.C. PIT RUN**	11-1-75
SELF POTENTIAL	— M.V./IN.	**FLUID LEVEL**	DRY

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

REMARKS:



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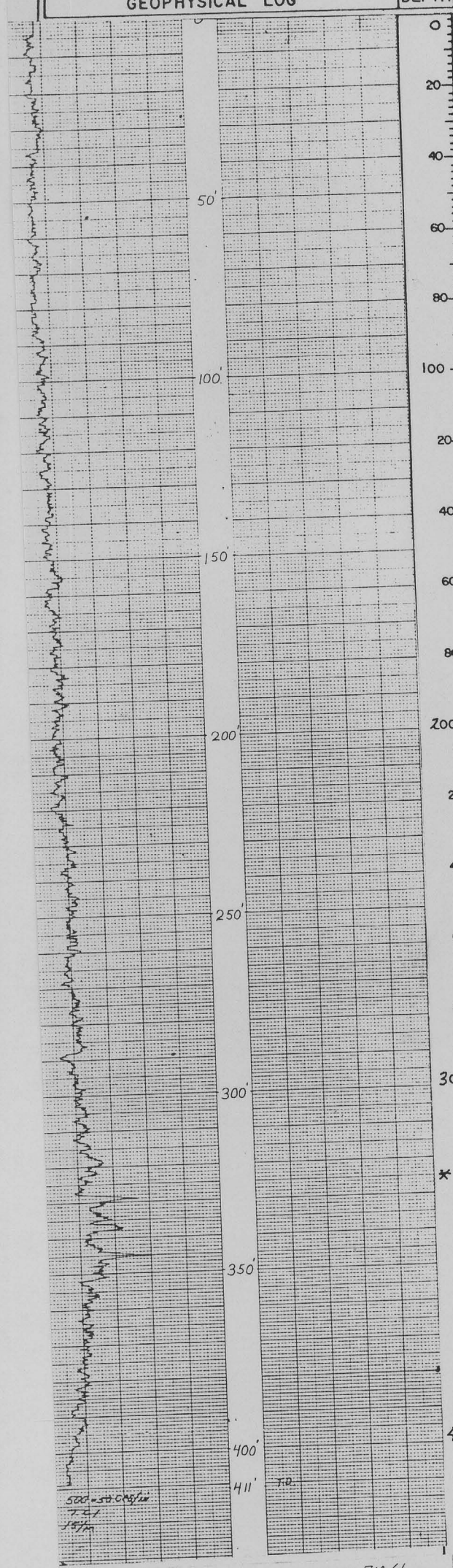
PROJECT Anderson Mine HOLE SIZE ____ ☑ AIR ☐ WATER Foam HOLE NO. AM 61

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY JRL DATE 7 NOV 1975

SECTION 9 TOWNSHIP 11N RANGE 10W T.D. ____ P.D. ____

GEOPHYSICAL LOG



DEPTH	STRIP LOG	LITHOLOGY LOG
0–50		Conglomerate: buff; predom. pink volc. rok frgts; scattrd qtz & meta rk frgts
50–90		Conglomerate: white to buff; abnt white $CaCO_3$ cement; composed of pink volcanic rock frgts, qtz, feld, and metam rock frgts. 80'-85' buff limstone
90–150		Sandstone w/ Congl Stringrs: scattered white $CaCO_3$ cementing. subangl, buff, ~~red~~ brown, arkosic.
150–240		Siltstone: red brown, & Sandstne: olive green v.f. grain ss
		Conglom lense 235-240 (may be contam)
240–280		Siltstone / Mudstone: red brown, brown
280–315		Mudstn: olive green; brown 295-300;
315–320		Siltstn: olive green, indurated - $CaCO_3$ cmt(?)
320–325		Mudstn / Siltstn: olive green
325–330		Bentonite: white
330–335		Siltstn: olive green abnt chert: variclrd
335–340		Siltstn: olive green abnt chert: orange
340–350		Siltstn: olive green
350–355		" " " ; com wh bentonite
355–360		" " " ; indurated siltstn assoc w/ clr chrt
360–375		Siltstn: olive grn, rd brown @ 375'
375–405		Siltstone / Mudstn: Red brown, rare volc frgts @ 400-405'
405–420		Siltstn: yellow brown w/ scattrd oxidized volc rock frgts

Indurated Bentonite Chert

500 = 50 CPS/in
7.4
15/m

CASPER, WYOMING

LOCATION ANDERSEN MINE
COUNTY YAVAPAI STATE ARIZONA
GP. 1,204,370 N ELEV. 2017
#36,797 E

SEC ____ TWP 11N RGE 10W

DATE	12-7-75
DEPTH DRILLED	420'
DEPTH LOGGED	411'
FOOTAGE LOGGED	411
HOLE DIAMETER	(0-120 6 7/8) (120'-420 5 5/8)
WATER FACTOR	
RESISTIVITY	— OHMS/INCH
SELF POTENTIAL	— M.V./IN
	1ST RUN 2ND RUN 3RD RUN
BEGINS	
BOTTOM	
TOP	
TOTAL FEET	
SCALE RUN	

HOLE NO. AM-61

GAMMA SCALE	500=50 CPS/in.
PROBE TYPE	SCINT
K FACTOR	2.25 X 10^-5
DEAD TIME	9.6 μSEC
TIME CONSTANT	1
PROBE DIA.	1 9/16"
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	D. BRADLEY
DRILLER	SHARPE
CONTRACTOR	REID
LAST A.E.C. PIT RUN	1-1-75
FLUID LEVEL	DRY
REMARKS	

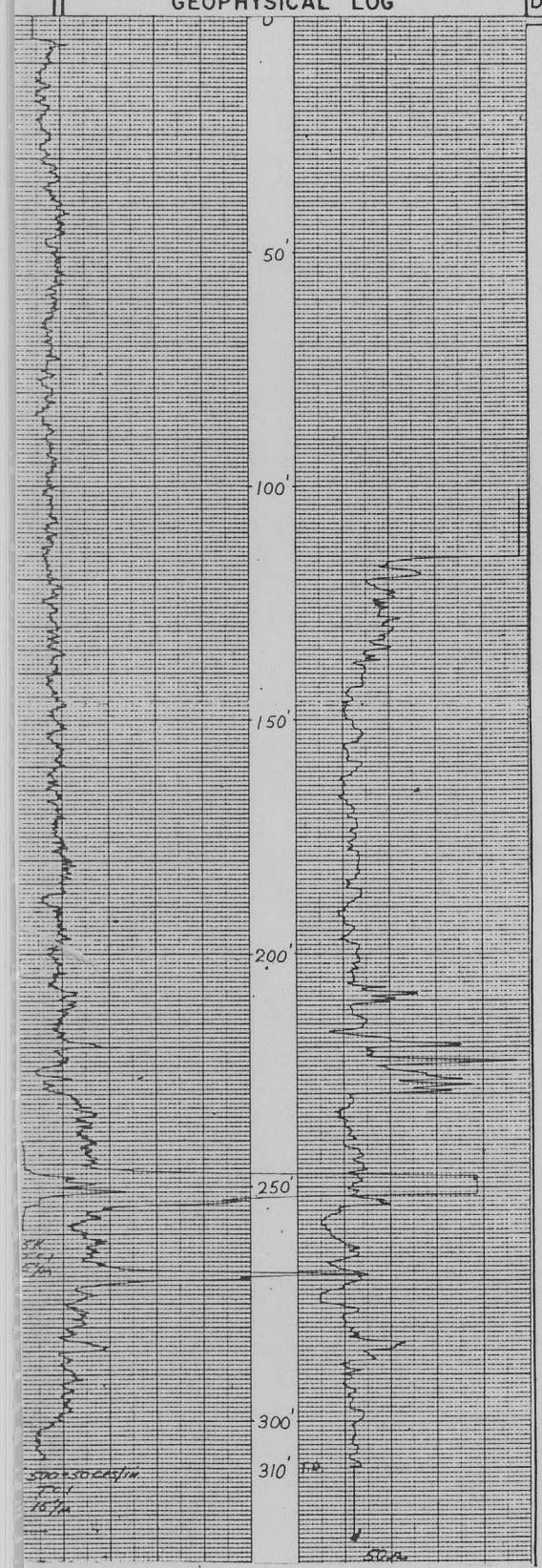
AM 61

PROJECT Anderson Mine HOLE SIZE ☑ AIR ☐ WATER FOAM HOLE NO. AM-62

ELEVATION NORTH EAST LOGGED BY JRL DATE 8 NOV 1975

SECTION 9 TOWNSHIP 11N RANGE 10W T.D. P.D.

Russell Sharpe = Driller



DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0					0'-30' Sandstone: buff, f to vc grain, arkose, com pnk volc. rock frgts. abnt or feldsprs. 15-20 $CaCO_3$ cemented (white)
20					
					30'-60' Siltstone/Mudstone: red brown, olive green
40					
60					60-125 SS, Siltstn, Mudstone Interbedded: Red brown, olive green SS: f to md grain, arkose, subanglr.
80					85-90' Indurated olive green siltstn: $CaCO_3$ (?) cement
100					
20	Chert	Bentonite	Indurated		125-185 Siltstn/Mudstn: brown, green-brown
40					
60					
80					185-210 Siltstn/Mudstn: olive green, brown, trace of red brown-orng. 185-190 rare sooty blk mtrial — manganese or carbon?
200					
	✓	✓	✓		210-220 Siltstn: olive green, indurated, com chert: drk or, rare white
20					215-220 wh bentonite
					220-225 Chert: varicolrd, wh limstn w/ blk dendrite-like veinlets
40					225-230 Limstn w/ red and blk chert, rare brown siltstn
		✓	✓		230-235 Limst/chert/olive green siltstn
60					235-250 Siltstn: olive green
			R		250-255 Siltstn: red brown, rare indurtd frgts
			C		255-270 Siltstn: olive green, wh bentonite 255-266 ~~rare indrtd siltst @ 265~~ 265-270
80		C			270-285 Siltstn: olive green, indrtd mtrl com, bentonite common
	t				
	A		A		285-290 Chert: varicolrd, prd orng. olive green indrt siltstn
300					
					290-295 Siltstn: olive green
					295-300 Siltstn: olive green, red brown
20					300-315 Siltstn: red brown, sctrd red brn volc (oxidizd) frgts
40					315-320 Siltstn: orngc brown sctrd oxidized rd brn volc. rk frgts
60					
80					
00					
20					
40					
60					
80					
00					

CASPER, WYOMING HOLE NO. AM-62

LOCATION	ANDERSEN MINE	GAMMA SCALE	500+50 CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
GP.	1,204,015 N 636,750 E ELEV. 1905	K-FACTOR	2.25×10^{-5}
SEC.	TWP. 11N RGE. 10W	DEAD TIME	9.6 μSEC
DATE	12-8-75	TIME CONSTANT	1'
DEPTH DRILLED	320'	PROBE DIA.	1 9/16"
DEPTH LOGGED	310'	CALIPER	—
FOOTAGE LOGGED	330'	DIRECTIONAL SURVEY	—
HOLE DIAMETER	(0'-120' 6 7/8") (120-320' 5 7/8")	TEMPERATURE	—
WATER FACTOR	1.196 1.177	OPERATOR	D. BRADLEY
RESISTIVITY	10 OHMS/INCH	DRILLER	SHARPE
SELF POTENTIAL	— M.V./IN.	CONTRACTOR	REID
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	11-1-75
BOTTOM	260'	FLUID LEVEL	115'
TOP	240'	REMARKS:	
TOTAL FEET	20'		
SCALE RUN	5K		

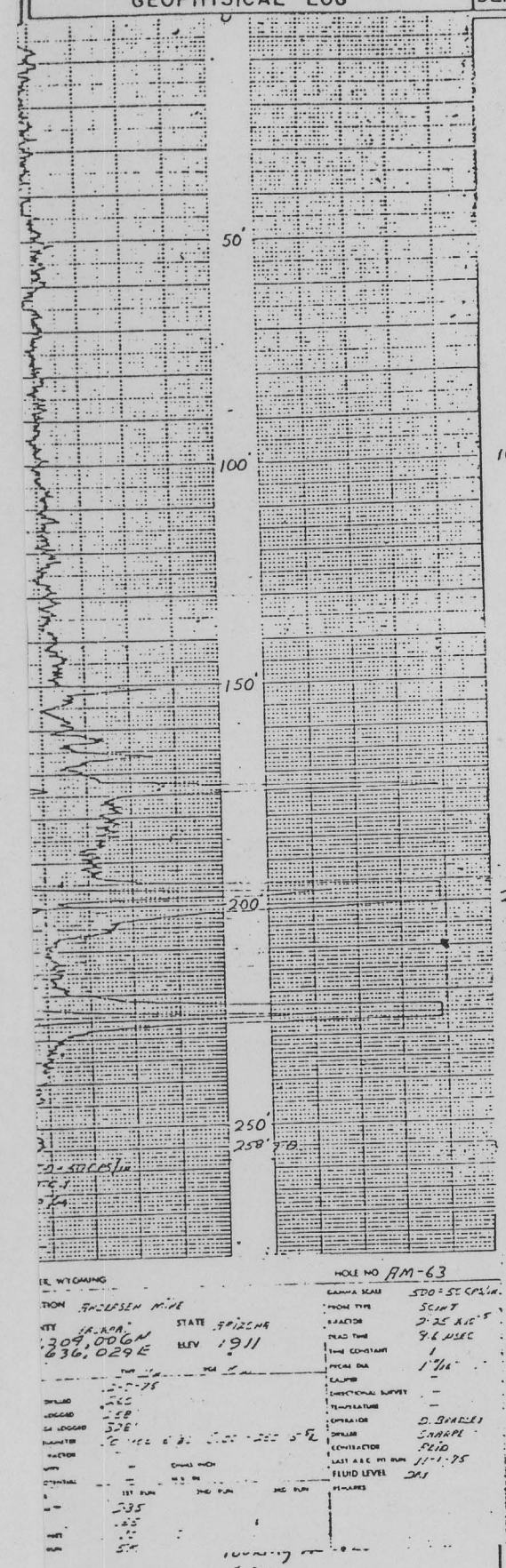
AM 62

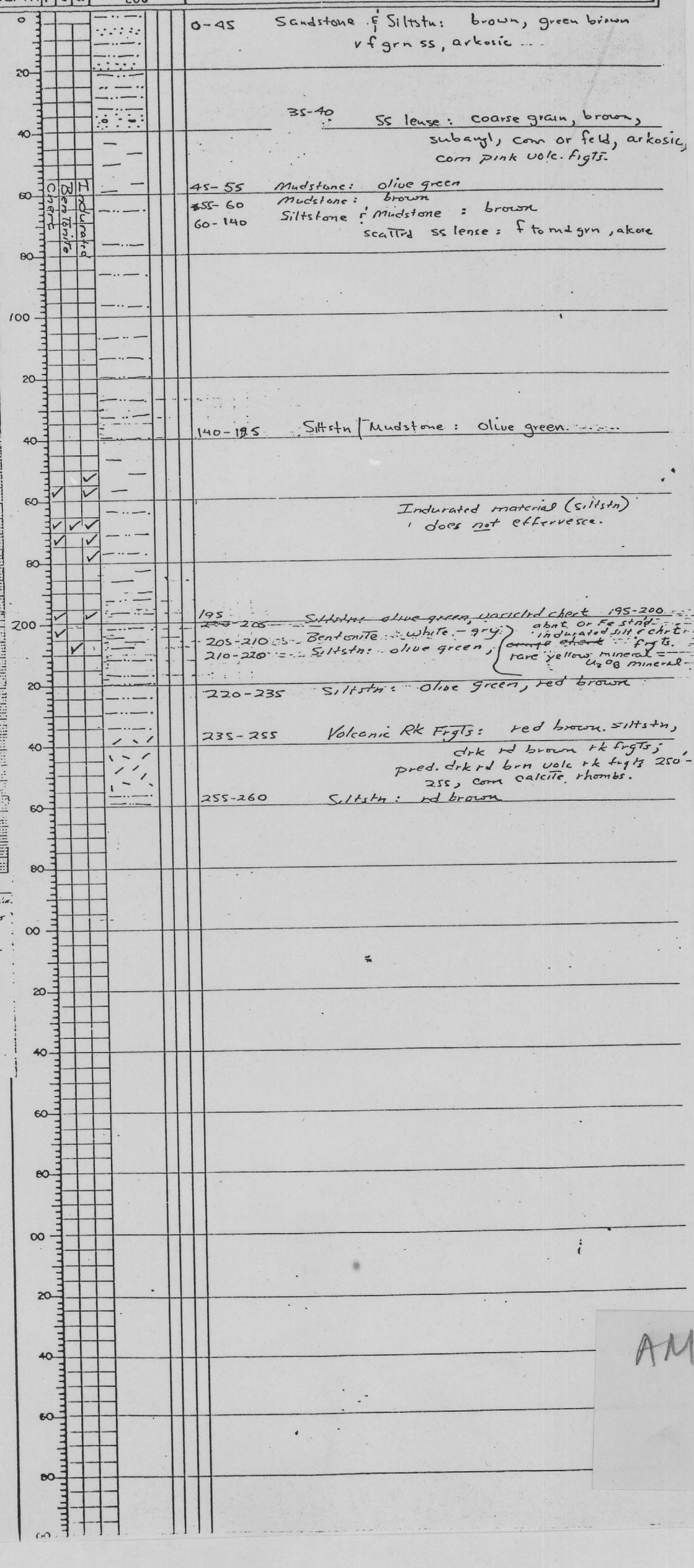
PROJECT Anderson Mine HOLE SIZE ____ ☒ AIR ☐ WATER FOAM HOLE NO. AM-63

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY JRL DATE 7 NOV 1975

SECTION 9 TOWNSHIP 11N RANGE 10W T.D. ____ P.D. ____

GEOPHYSICAL LOG | DEPTH | STRIP LOG | LITHOLOGY LOG





0-45 Sandstone & Siltstn: brown, green brown
v f grn ss, arkosic ...

35-40 SS lense: coarse grain, brown, subangl, com or feld, arkosic, com pink volc. frgts.

45-55 Mudstone: olive green

55-60 Mudstone: brown

60-140 Siltstone & Mudstone: brown
scattrd ss lense: f to md grn, akose

140-195 Siltstn & Mudstone: olive green.

Indurated material (siltstn) does not effervesce.

195 ~~Siltstone olive green, varicltd chert~~ 195-200
~~200-205~~
abnt Or Fe stnd indurated silt & chrtr ~~orange chert~~ frgts.
205-210 Bentonite white - gry
210-220 Siltstn: olive green, rare yellow mineral = U_3O_8 mineral

220-235 Siltstn: olive green, red brown

235-255 Volcanic Rk Frgts: red brown. siltstn, drk rd brown rk frgts; pred. drk rd brn volc rk frgts 250'-255, com calcite rhombs.

255-260 Siltstn: rd brown

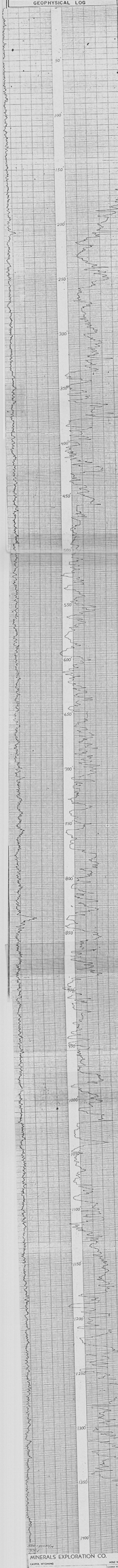
AM 63

PROJECT Anderson Mine HOLE SIZE ☑ AIR ☑ WATER HOLE NO. AM 64

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY Ljung DATE 8 NOV 1975

SECTION 16 TOWNSHIP 11 N RANGE 10 W T.D. ____ P.D. ____

GEOPHYSICAL LOG



DEPTH	LITHOLOGY LOG
0-200	Conglomerate: buff to pink buff, composed of about 70% pinks, orange, red brown volcanic rock frgts; com metam frgts, about 4% ss
	rare to scattered blk-gray volc. frgts containing or Fe blebs starting @ 40'
	$CaCO_3$ cementing agent rare
	Greater propt. of silt fraction present 100-200
	Trip for new bit @ 700'
175-180	Predom. grey volc. frgts w/ or Fe blebs - basalt(?)
190-200	SS: buff, v c grn, subrnd, arkosic, minor limonite stain.
200-240	~50% Conglomrt: composed of ~~sample~~ same material as above cong!
	~50% white to buff bentonitic clay
240-260	$CaCO_3$ cemented (white)
270-275	Pred. wh bentonitic clay
325-330, 335-340	$CaCO_3$ cemented (white)
340-	Siltstn: brown
375-380	Siltstn: brown - off white, $CaCO_3$ cmtd
385-390	Siltstn: brown
390-~~400~~ 500	Siltstn: brown to off white, wh bentonitic clay fraction,
405-410	Blk 100% material - carbon(?), mag(?)
430-440	Slightly sandy
440-445	Indurated - $CaCO_3$ (?)
455-460	Limstn stringer: white w/ Or silica (?) veinlets
500-	Siltstone: olive green w/ scattered wh bentonite stringers & scattered f grain ss stringers
	color change from brown (390-500) to grayish olive green (500+) is gradational
740-745'	predom wh bentonite
755-	siltstn changes from olive grn to brn grn. mud contamination w/ sand
850 - 1110	brn grn to mud brn sandy siltstn. This section contains much more sand. Maybe the result of contamination
910-920	bentonite stringers in olive brn siltstone
1100-1200	Siltstone / Mudstone / Sandstone
	Siltstn: olive green predom w/ orange, and green
	Mudstone: olive green to white scattered chips of wh bentonitic clay.
	Sandstone: trace to com in each sample. same composition as 0-200' ~~is predom~~ metam frgts (blk, green) qtz, feldsp (orng), com pink, orng volc. rock frgts.
	samples made up of mud (predom) rare siltstn chips, rare wh bentonite chips, com sand grains
1220-1260	increased amnt of orange mudstone.
1260-1345	salmon pink siltstn / mudstn. very little change in color and comp. over this section
1345-1400	basement of dk gy - blk volcanics with altered amygdules

MINERALS EXPLORATION CO.

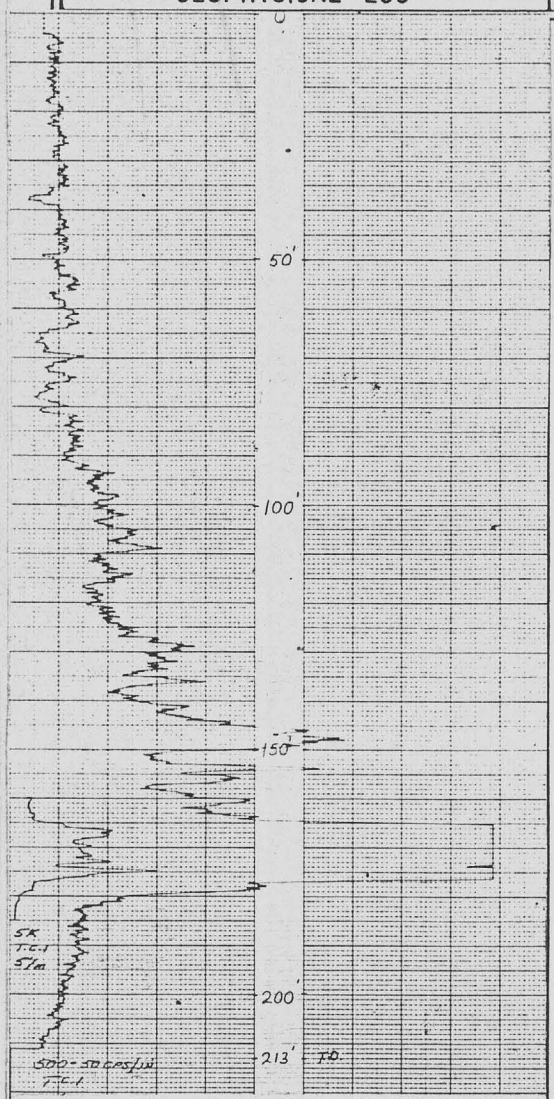
CASING INFORMATION	HOLE NO. AM-64
LOCATION Anderson Mine	TIME STARTED 8 Nov
COUNTY Lake STATE Montana	TIME FINISHED 8 Nov
LAT. 46°55.0334' LON. 114°19'	DATE STARTED 8 Nov 75
SEC. 16 TWP. 11 N RGE. 10 W	DATE FINISHED
DATUM	TYPE
DATE DRILLED 1975	DRILLER
DATE CASED 1975	CLIENT
HOLE DIAMETER 6 3/4"	DRILLING METHOD
CASING DIAMETER 4 1/2"	OPERATOR
CASING LENGTH 1400	DRILLER
CASING MATERIAL Steel	DRILLING COMPANY
HOLE DEVIATION 90 DEG.	DRILLING TIME
CASING 12 IN. DEG. IN.	HOLE DEPTH 1400
SECTION	DEPTH TO WATER
TOWNSHIP	CASING DEPTH
RANGE	HOLE DIAMETER
CASING TOP	CASING
CASING BOTTOM	DRILLING
	REMARKS

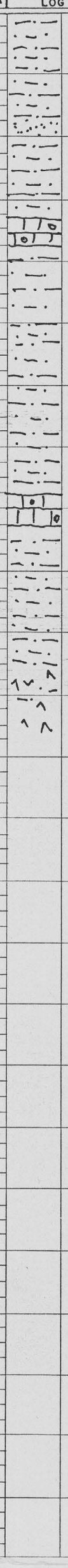
PROJECT ANDERSON MINE HOLE SIZE ☒ AIR ☐ WATER HOLE NO. AM-65

ELEVATION NORTH EAST LOGGED BY DBD DATE 12-8-75

SECTION TOWNSHIP RANGE T.D. P.D.

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





0-5 med. brn siltstn.

10-15 gry-brn siltstn w/ mod. sand sized particles

15-20 med. brn siltstn.

20-25 gry-brn sandy siltstn

25-35 gry sandy siltstn w/ mod. amts of med brn siltstn.

35-40 off white ss (cc cemented) w/ ls with dendectic markings

40-60 med brn siltstn.

60-65 - lt gry-grn ls

65-75 white ls w/ red chert & bentonite

75-85 white bentonite w/ reddish chert.

85-145 lt. yellow grn. siltstn.

145-150 gry-grn lignitic siltstn

155-165 gry-grn ls w/ white & red chert.

165-170 interbedded red-brn and lt. grn siltstn.

170-175 lignitic lt. yellow shale (very small interbeds)

175-180 gry-grn siltstn & ls w/ red & white chert

180-185 gry grn siltstn (lignitic?)

185-210 red-brn siltstn.

210-220 red shale & dk brn. gry volcanic frags.

220 - T.D.

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-65

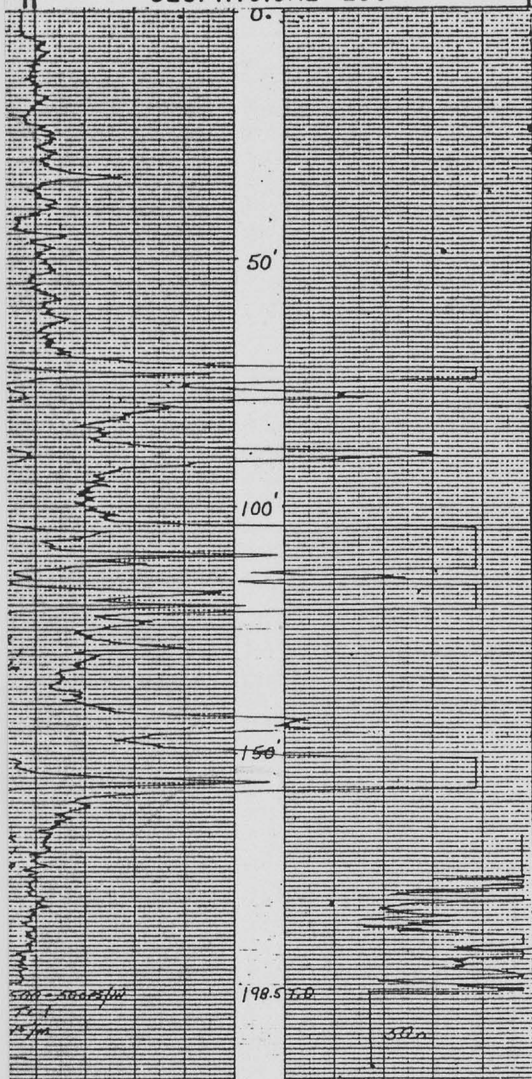
LOCATION	ANDERSEN MINE	GAMMA SCALE	500-50 CPS/IN
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25 X 10^-5
GP.	1,203,554 N 636,366 E	DEAD TIME	9.6 μSEC
ELEV.	1799	TIME CONSTANT	1
SEC	TWP 11 N RGE 10 W	PROBE DIA.	1 11/16"
DATE	12-8-75	CALIPER	—
DEPTH DRILLED	220'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	213'	TEMPERATURE	—
FOOTAGE LOGGED	288'	OPERATOR	D. BRADLEY
HOLE DIAMETER	0'-220' 5 5/8"	DRILLER	SHARPE
WATER FACTOR		CONTRACTOR	REID
RESISTIVITY	— OHMS INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V. IN	FLUID LEVEL	DRY
RERUNS	1ST RUN 2ND RUN 3RD RUN	REMARKS	
BOTTOM	185		
TOP	160'		
TOTAL FEET	25'		
SCALE RUN	5K		

PROJECT ANDERSON MINE   HOLE SIZE 5 5/8   ☒ AIR ☐ WATER   HOLE NO. AM-68

ELEVATION ______   NORTH ______   EAST ______   LOGGED BY DBD   DATE 12-10-75

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Depth	Lithology
0-20	med brn siltstn
20-30	olive grn siltstn
30-35	lt grn ls w/ red & purple chert & bentonite
35-40	olive grn siltstn.
40-45	white ls w/ dendratic pattern, pink chert & bentonite.
45-65	brn - olive grn siltstn
65-80	olive grn siltstn & lt grn ls w/ red orange chert. - has slight yellow tint
80-100	olive grn siltstn; 90-100 w/ yellow tint
100-105	med brn to grn siltstn - w/ tr. chert.
105-115	olive grn siltstn w/ tr.-common chert. - possible yellow tint.
115-125	brn-grn siltstn
125-135	brn-grn siltstn.
135-145	lt yellow grn siltstn.
145-160	lt. brn red siltstn.
160-200	dk red brn siltstn
190	volcanic fragments

MINERALS EXPLORATION CO.

...SPER, WYOMING   HOLE NO. AM-68

LOCATION	ANDERSEN MINE	GAMMA SCALE	500 = 50 CPS/in
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
	1,203,198 N	K-FACTOR	2.25 x 10^-5
	636,788 E ELEV. 1697	DEAD TIME	9.6 μsec
	TWP. 11N RGE. 10W	TIME CONSTANT	1
DATE	12-9-75	PROBE DIA.	1 1/16"
DEPTH DRILLED	200'	CALIPER	—
DEPTH LOGGED	198.5'	DIRECTIONAL SURVEY	—
FOOTAGE LOGGED	283.5'	TEMPERATURE	—
HOLE DIAMETER	(0'-200' 5 5/8")	OPERATOR	D. BRADLEY
WATER FACTOR	1.172	DRILLER	SHARPE
RESISTIVITY	10 OHMS/INCH	CONTRACTOR	REID
SELF POTENTIAL	— M.V./IN.	LAST A.E.C. PIT RUN	11-1-75
		FLUID LEVEL	175'

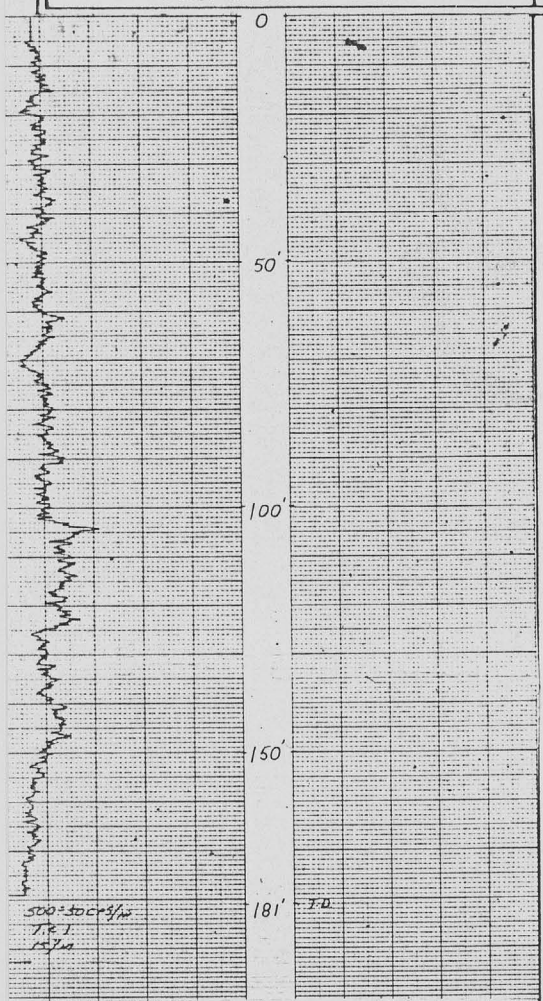
	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
...TOM	165'	125'		
	140'	65'		
...AL FEET	25'	60'		
...LE RUN	10K	5K		

PROJECT ANDERSON MINE HOLE SIZE 5 5/8 ☒ AIR ☐ WATER HOLE NO. AM-69

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY DBD DATE 12-10-75

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 190 P.D. _____

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



MINERALS EXPLORATION CO.

ASPER, WYOMING HOLE NO. AM-69

OCATION ANDERSEN MINE

OUNTY YAVAPAI STATE ARIZONA

P. 1,203,537 N 637,174 E ELEV. 1957

EC TWP 11N RGE 10W

ATE 12-10-75

EPTH DRILLED 190'

EPTH LOGGED 181'

OOTAGE LOGGED 181'

OLE DIAMETER (0'-190' 5 5/8")

ATER FACTOR

ESISTIVITY — OHMS/INCH

ELF POTENTIAL — M.V./IN

ERUNS 1ST RUN 2ND RUN 3RD RUN

OTTOM

OP

OTAL FEET

CALE RUN

GAMMA SCALE 500=50CPS/IN

PROBE TYPE SCINT

K-FACTOR 2.25x10^-5

DEAD TIME 9.6 μSEC

TIME CONSTANT 1

PROBE DIA. 1 11/16"

CALIPER —

DIRECTIONAL SURVEY —

TEMPERATURE —

OPERATOR D. BRADLEY

DRILLER SHARPE

CONTRACTOR REID

LAST A.E.C. PIT RUN 11-1-75

FLUID LEVEL DRY

REMARKS

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

LITHOLOGY LOG

0-5 med brn sandy siltstn.

5-15 med brn siltstn

15-20 med brn f.g. ss

20-60 brn-olive grn siltstn

60-90 olive grn siltstn

90-100 olive grn siltstn w/bentonite

100-125 olive grn siltstn.

125-130 olive grn siltstn w/ls and red chert.

130-155- olive grn siltstn

155-170 lt. red brn siltstn

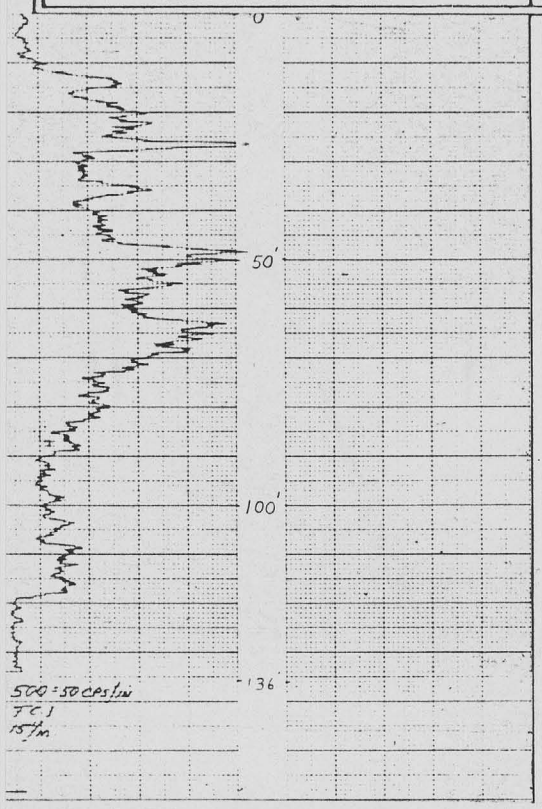
170-190 dk red brn siltstn w/volcanic fragments.

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☐ WATER HOLE NO. AM 70

ELEVATION NORTH EAST LOGGED BY JRL DATE 10 NOV 1975

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

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



Depth	Lithology Log
0-20	Conglomeritic Sandstone: buff, vc grain, arkosic, abnt blk basalt frgts, angl, minr amnts of meta & light colored volc frgts. 15-20 white limstn frgts w/ assoc. clr. chert
20-50	Siltstone: olive green 20-25 com calcite rhomb's 20-40 scattrd indurated flakes of olive green siltstn. w/ assoc. orange Fe staining 45-50 com or stnd siltstn
50-55	Siltstn: varicolored rd, brn, or, olive grn white.
55-120	Siltstn: olive green w/ scattrd or Fe stning 90-95 brown
120-140	Volcanic Rk frgts: brown, com calcite amygd. filling, abnt Fe blebs

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-70

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1,202,399 N. 636,401 E ELEV. 1741

SEC TWP 11N RGE 10W

DATE 12-10-75

DEPTH DRILLED 140

DEPTH LOGGED 136

FOOTAGE LOGGED 136

HOLE DIAMETER 6 1/4 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 = 50 CPS/IN

PROBE TYPE SCINT

K-FACTOR 2.25 x 10^-5

DEAD TIME 9.6 μSEC

TIME CONSTANT 1

PROBE DIA 1 11/16"

CALIPER —

DIRECTIONAL SURVEY —

TEMPERATURE —

OPERATOR D. BRADLEY

DRILLER STAN

CONTRACTOR REID

LAST A.E.C. PIT RUN 11-1-75

FLUID LEVEL DRY

REMARKS