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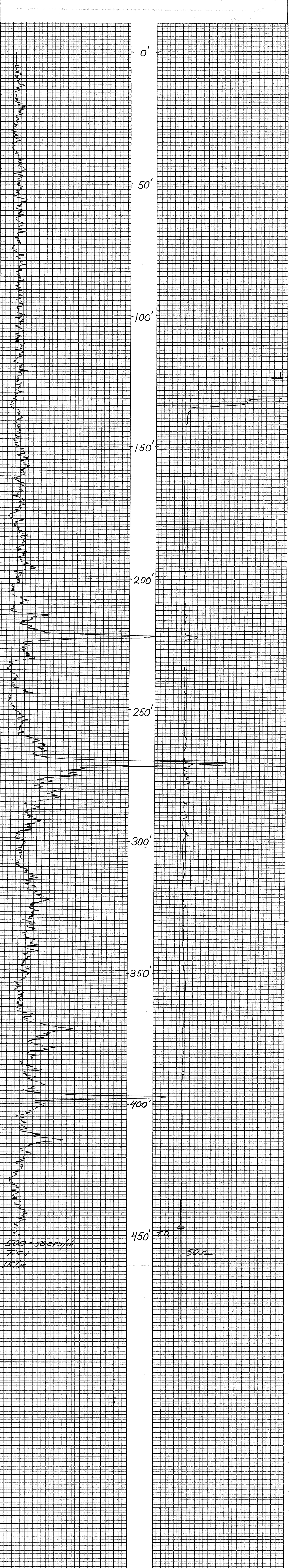
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MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. *FM-161*

LOCATION	<i>ANDERSON MINE</i>		GAMMA SCALE	<i>500 = 50 CPS/IN</i>	
COUNTY	<i>YAVAPAI</i>	STATE	<i>ARIZONA</i>	PROBE TYPE	<i>SCINT</i>
GP.	<i>1,202,313N</i>	ELEV.	<i>2041</i>	DEAD TIME	<i>2.14 x 10⁻⁵</i>
	<i>643,684E</i>			TIME CONSTANT	<i>1</i>
SEC.	<i>90 009.01 EWP.</i>	RGE.	<i>10W</i>	PROBE DIA.	<i>1 1/16"</i>
DATE	<i>1-20-76</i>		CALIPER	<i>-</i>	
DEPTH DRILLED	<i>450'</i>		DIRECTIONAL SURVEY	<i>-</i>	
DEPTH LOGGED	<i>450'</i>		TEMPERATURE	<i>-</i>	
FOOTAGE LOGGED	<i>450'</i>		OPERATOR	<i>D. BRADLEY</i>	
HOLE DIAMETER	<i>(5 1/2 0-205) (5 1/8 205-263) (5" 265-450)</i>		DRILLER	<i>STEVE</i>	
WATER FACTOR	<i>1.172</i>	<i>1.157</i>	<i>1.152</i>	CONTRACTOR	<i>UNIVERSAL</i>
RESISTIVITY	<i>10 OHMS/INCH</i>		LAST A.E.C. PIT RUN	<i>11-1-75</i>	
SELF POTENTIAL	<i>- M.V./IN.</i>		FLUID LEVEL	<i>135'</i>	
RERUN	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:	
BOTTOM				<i>RESISTANCE</i>	
TOP				<i>NOT WORKING</i>	
TOTAL FEET					
SCALE RUN					



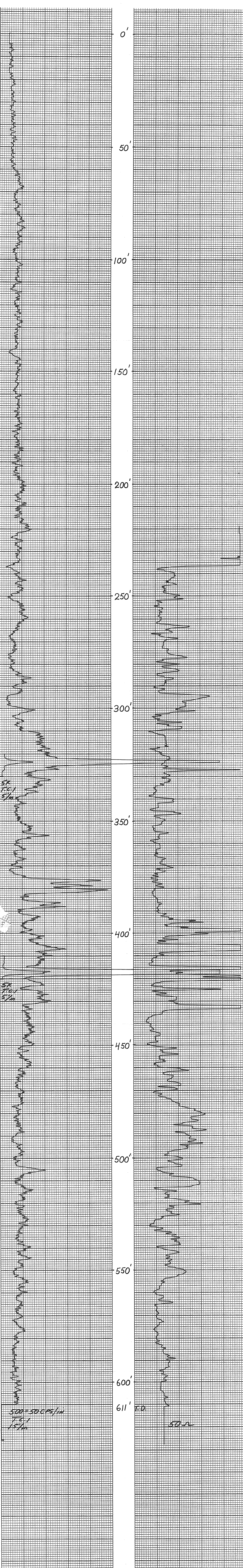
BUFFALO, NEW YORK
 BRIDGEPORT, CONNECTICUT
 GRANITE, MINNESOTA
 GC 1210

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. *AM-162*

LOCATION <i>ANDERSON MINE</i>		GAMMA SCALE <i>500=50CPS/IN</i>	
COUNTY <i>YAVAPAI</i>	STATE <i>ARIZONA</i>	PROBE TYPE <i>SCINT</i>	
GP. <i>1201.500N</i>	ELEV. <i>2165'</i>	K-FACTOR <i>2.14 X 10⁻⁵</i>	
<i>645.834E</i>		DEAD TIME <i>17.3 USEC</i>	
<i>1203 852.07N</i>		TIME CONSTANT <i>1</i>	
SEC. <i>91 544.51E TWP. 11N</i>	RGE. <i>10W</i>	PROBE DIA. <i>1 1/16"</i>	
DATE <i>1-21-76</i>		CALIPER <i>-</i>	
DEPTH DRILLED <i>610'</i>		DIRECTIONAL SURVEY <i>-</i>	
DEPTH LOGGED <i>611'</i>		TEMPERATURE <i>-</i>	
FOOTAGE LOGGED <i>623'</i>		OPERATOR <i>D. BRADLEY</i>	
HOLE DIAMETER <i>(5 7/8" 0-400) (5" 400-610')</i>		DRILLER <i>STUE</i>	
WATER FACTOR <i>1.177</i>	<i>1.152</i>	CONTRACTOR <i>UNIVERSAL</i>	
RESISTIVITY <i>10</i>	OHMS/INCH	LAST A.E.C. PIT RUN <i>11-1-75</i>	
SELF POTENTIAL <i>-</i>	M.V./IN.	FLUID LEVEL <i>237'</i>	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	<i>420'</i>	<i>330'</i>	
TOP	<i>410'</i>	<i>320'</i>	
TOTAL FEET	<i>10'</i>	<i>10'</i>	
SCALE RUN	<i>5K</i>	<i>5K</i>	



REPRODUCED FROM ORIGINAL RECORDS OF MINERALS EXPLORATION CO., CASPER, WYOMING

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. FM-163

COUNTY ANDERSON NAME STATE WYOMING

OP. 7810000000 ELEV. 2018

SEC. 128 34 36 TWP. 44 R08 10W

DATE 02-10-46

DEPTH DRILLED 801

DEPTH LOGGED 801

HOLOGS LOGGED 2

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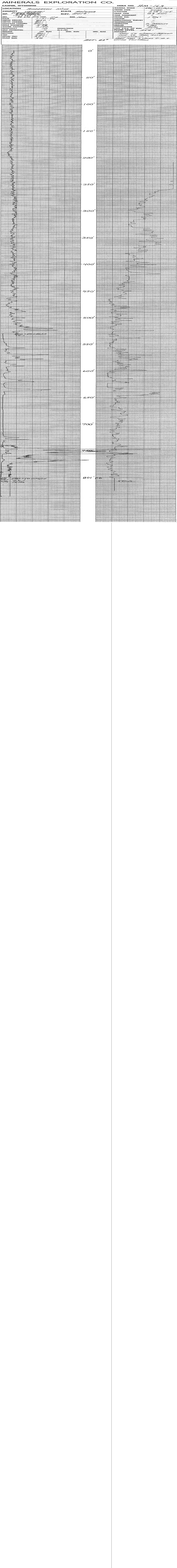
HOLOGS LOGGED 2

HOLOGS LOGGED 2

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HOLOGS LOGGED 2



REMARKS: 250-500 OHMS/INCH
 250-500 OHMS/INCH
 500

SCALE RUN

CONTRACTOR

DATE

OPERATOR

TEMPERATURE

PRECISION SURVEY

TIME CONSTANT

HOLOGS LOGGED

DEPTH DRILLED

DATE

SEC.

COUNTY

STATE

NAME

LOCATION

CASPER, WYOMING

MINERALS EXPLORATION CO.

HOLE NO. FM-163

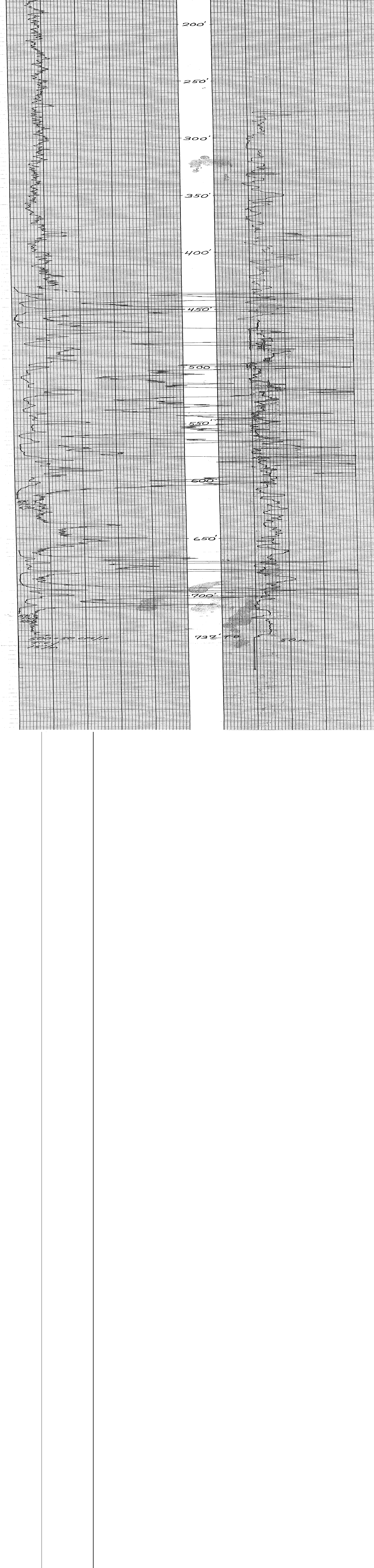
CASPER, WYOMING MINERALS EXPLORATION CO.

HOLE NO. FM-164

LOCATION	ANDERSON MINE	STATE	ARIZONA	GAMMA SCALE	500-500 CPS/IN
COUNTY	YAVAPAI	ELEV.	1950	PROBE TYPE	SCHEFF
CP.	250-100-100			K-FACTOR	2.14 x 10 ⁻⁵
SEC.	250-100-100			DEAD TIME	17.8 USEC
DATE	5-20-54	BOE	10W	TIME CONSTANT	1.28 W

DEPTH DRILLED	672'	DIRECTIONAL SURVEY	-
DEPTH LOGGED	672'	TEMPERATURE	-
FOOTAGE LOGGED	672'	DRILLER	J. BRADLEY
HOLE DIAMETER	6 7/8 0-200	CONTRACTOR	SWANDE
WATER FACTOR	1.0	LAST A.E.C. PIT RUN	1-1-55
RESISTIVITY	10	FLUID LEVEL	281'
SELF POTENTIAL		REMARKS:	

REFURBS	1ST RUN	2ND RUN	3RD RUN
BOYTCOM	25'	65'	
TOP	585 (580)	525 -	
TOTAL FEET	340 (335)	525 -	
SCALE RUN	52	52	



500-500 CPS/IN

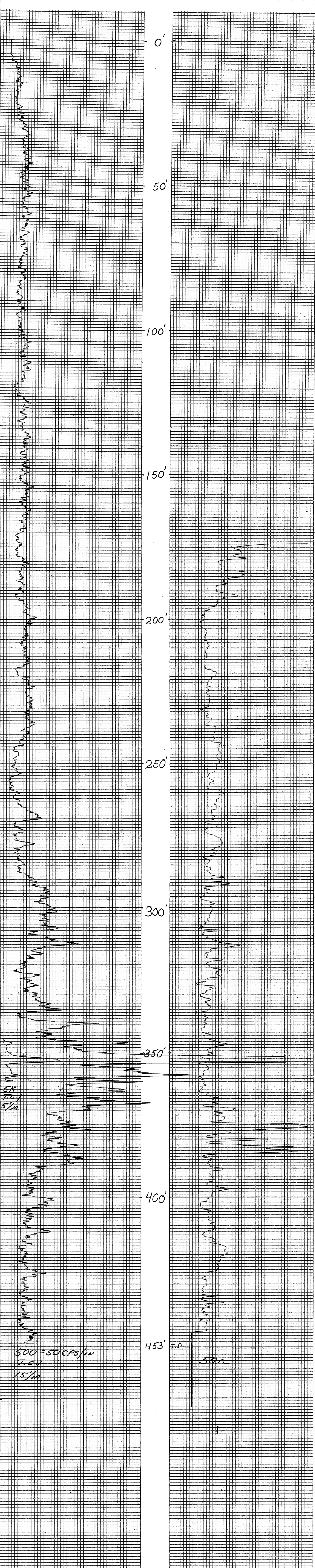
137' TD

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. *FM-165*

LOCATION <i>ANDERSON MINE</i>			GAMMA SCALE	<i>500=50 CPS/in</i>
COUNTY <i>YAVAPAI</i>	STATE <i>ARIZONA</i>		PROBE TYPE	<i>SCINT</i>
GP. <i>1-201-613-N</i> <i>644-807E</i>	ELEV. <i>2144'</i>		K-FACTOR	<i>2.14 x 10⁻⁵</i>
SEC. <i>1303 952.73N</i>	RGE. <i>10W</i>		DEAD TIME	<i>17.3 μSEC.</i>
DATE <i>1-21-76</i>			TIME CONSTANT	<i>1</i>
DEPTH DRILLED <i>490'</i>			PROBE DIA.	<i>1 11/16"</i>
DEPTH LOGGED <i>453'</i>			CALIPER	<i>-</i>
FOOTAGE LOGGED <i>468'</i>			DIRECTIONAL SURVEY	<i>-</i>
HOLE DIAMETER <i>5 5/8"</i>			TEMPERATURE	<i>-</i>
WATER FACTOR <i>1.177</i>			OPERATOR	<i>D. BRADLEY</i>
RESISTIVITY <i>10</i>	OHMS/INCH		DRILLER	<i>STEVE</i>
SELF POTENTIAL <i>-</i>	M.V./IN.		CONTRACTOR	<i>UNIVERSAL</i>
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	LAST A.E.C. PIT RUN <i>11-1-76</i>
BOTTOM	<i>360'</i>			FLUID LEVEL <i>174'</i>
TOP	<i>345'</i>			REMARKS:
TOTAL FEET	<i>15'</i>			
SCALE RUN	<i>5K</i>			

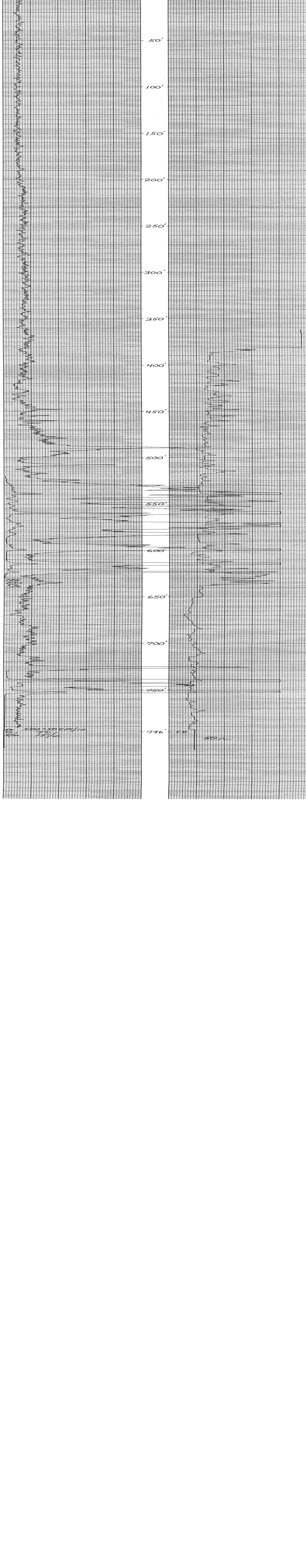


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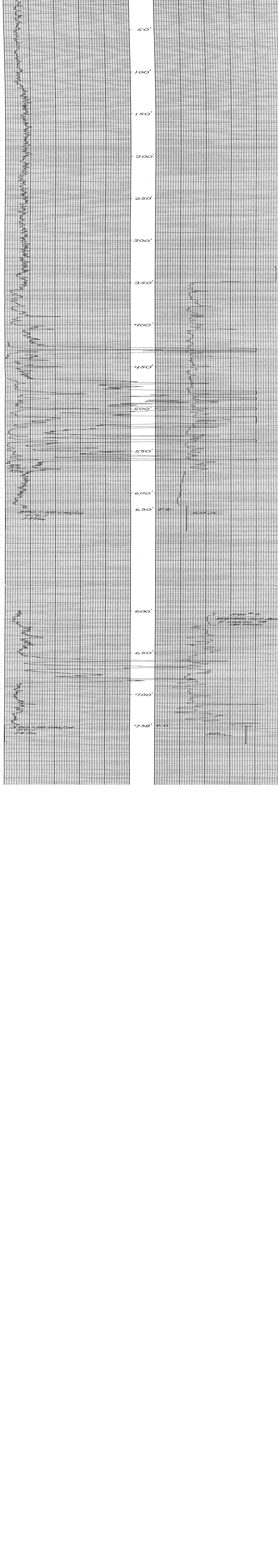
LOCATION ANDERSON MINE HOLE NO. AM-166
 COUNTY YONAH STATE WYOMING
 TWP. 35N. R. 10E. S. 22E. SLEV. 5225
 SEC. 18. COR. 114. ROL. 12W.
 DATE 1-23-58
 DEPTH DRILLED 525' - 58'
 DEPTH LOGGED 525'
 FOOTAGE LOGGED 525'
 HOLE DIAMETER 3 1/2"
 WATER FACTOR 1.0
 RESISTIVITY 10 OHMS/INCH
 SELL. POTENTIAL
 REGRS. 1ST RUN 250' 2ND RUN 500' 3RD RUN
 BOTTOM 300' 500' 100'
 TOTAL FEET 525'
 SCALE RUN 58'

GAMMA SCALE 300-1000PIV
 PROBE TYPE 33005
 K-FACTOR 1.14 X 10⁻⁵
 DEAD TIME 12.5
 TIME CONSTANT 1.46"
 PROBE DIA. 1.46"
 CALIBER
 DIRECTIONAL SURVEY
 TEMPERATURE
 OPERATOR J. BRADLEY
 DRILLER
 CONTRACTOR
 LAST A.C. PI. RUN
 FLUID LEVEL 500' - 58'
 REMARKS:



CASPER, WYOMING MINERALS EXPLORATION CO. HOLE NO. FPM-167

LOCATION	ANDERSON MINE	STATE	ARIZONA	GAMMA SCALE	500-100000
COUNTY	YAVAPAI	ELEV.	2000	RESOL. TYPE	2500
DATE	10/24/58	LOGGERS	W. J. GARDNER	K. FACTOR	1.14 X 10 ⁻⁵
DEPTH LOGGED	525	LOGS	W. J. GARDNER	DEAD TIME	17.3 MIN
FOOTAGE LOGGED	525	LOGS	W. J. GARDNER	TIME CONSTANT	1.000"
HOLE DIAMETER	3.75	LOGS	W. J. GARDNER	GAUGE	1.000"
WATER FACTOR	1.10	LOGS	W. J. GARDNER	DIRECTIONAL SURVEY	-
RESISTIVITY	1.0	LOGS	W. J. GARDNER	TEMPERATURE	-
SELF POTENTIAL	1.5	LOGS	W. J. GARDNER	DRILLER	D. BRADLEY
REMARKS		LOGS	W. J. GARDNER	CONTRACTOR	MINERALS EXPLORATION CO.
		LOGS	W. J. GARDNER	LAST A.C. PIT RUN	100-525
		LOGS	W. J. GARDNER	FLUID LEVEL	325'
		LOGS	W. J. GARDNER	REMARKS	



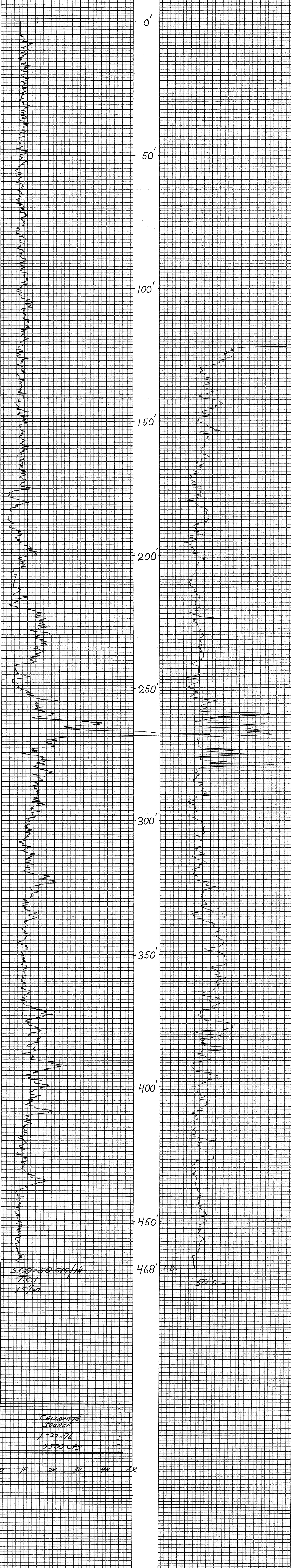
DATE	10/24/58	LOGGERS	W. J. GARDNER
DEPTH LOGGED	525	LOGS	W. J. GARDNER
FOOTAGE LOGGED	525	LOGS	W. J. GARDNER
HOLE DIAMETER	3.75	LOGS	W. J. GARDNER
WATER FACTOR	1.10	LOGS	W. J. GARDNER
RESISTIVITY	1.0	LOGS	W. J. GARDNER
SELF POTENTIAL	1.5	LOGS	W. J. GARDNER
REMARKS		LOGS	W. J. GARDNER

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. *AM-168*

LOCATION	<i>ANDERSON MINE</i>			GAMMA SCALE	<i>500=50 CPS/IN</i>
COUNTY	<i>YAVAPAI</i>	STATE	<i>ARIZONA</i>	PROBE TYPE	<i>SCINT</i>
GP.	<i>T.201.574 N</i> <i>644.411 E</i>	ELEV.	<i>2063'</i>	K-FACTOR	<i>2.14 X 10⁻⁵</i>
SEC.	<i>90 T22. L1 ETWP. 11 N</i>	RGE.	<i>10 W</i>	DEAD TIME	<i>17.3 μSEC</i>
DATE	<i>1-22-76</i>			TIME CONSTANT	<i>1</i>
DEPTH DRILLED	<i>480'</i>			PROBE DIA.	<i>1 1/16"</i>
DEPTH LOGGED	<i>468'</i>			CALIPER	<i>-</i>
FOOTAGE LOGGED	<i>468'</i>			DIRECTIONAL SURVEY	<i>-</i>
HOLE DIAMETER	<i>5 5/8</i>			TEMPERATURE	<i>-</i>
WATER FACTOR	<i>1.177</i>			OPERATOR	<i>D. BRADLEY</i>
RESISTIVITY	<i>10</i>	OHMS/INCH		DRILLER	<i>STEVE</i>
SELF POTENTIAL	<i>-</i>	M.V./IN.		CONTRACTOR	<i>UNIVERSAL</i>
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	LAST A.E.C. PIT RUN	<i>11-1-75</i>
BOTTOM				FLUID LEVEL	<i>122'</i>
TOP				REMARKS:	
TOTAL FEET					
SCALE RUN					



500=50 CPS/IN
7.01
15/in

468' T.D.

50.0

CALIBRATION SOURCE
1-22-76
4500 CPS

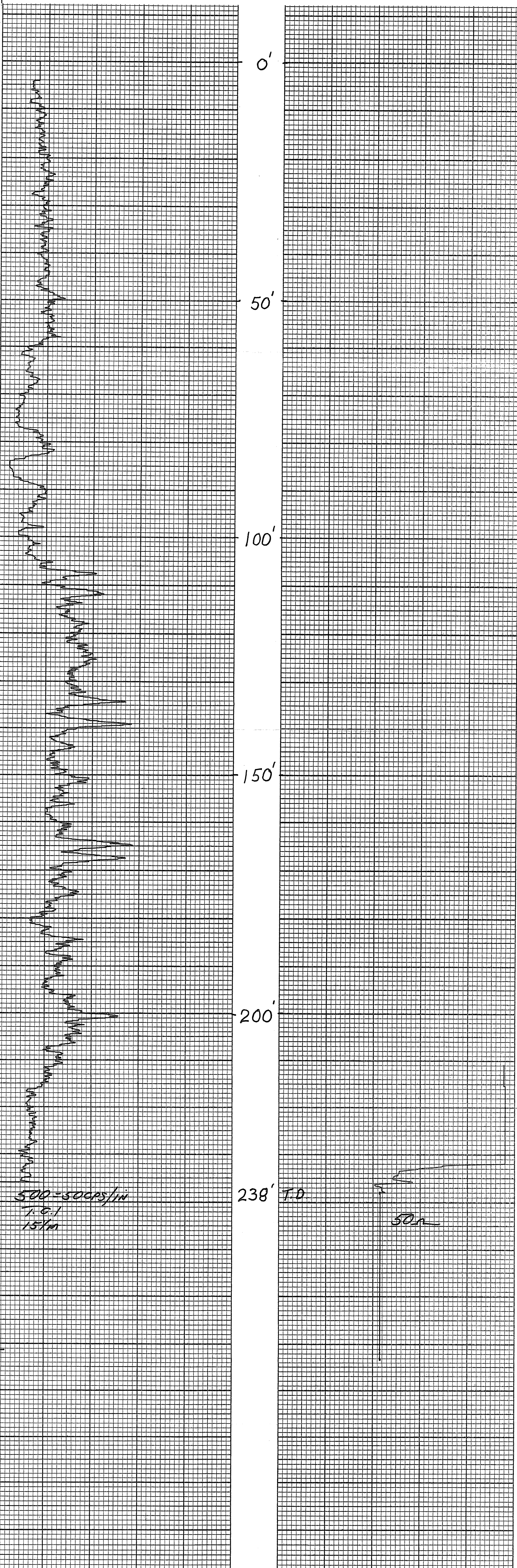
0 1K 2K 3K 4K 5K

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. *AM-169*

LOCATION <i>ANDERSON MINE</i>			GAMMA SCALE	<i>500=50 CPS/IN</i>
COUNTY <i>YAVAPAI</i>	STATE <i>ARIZONA</i>		PROBE TYPE	<i>SCINT</i>
GP. <i>1-204-00LN</i>	ELEV. <i>1876'</i>		K-FACTOR	<i>2.14 X 10⁻⁵</i>
<i>690-015E</i>	<i>1206 426.47N</i>		DEAD TIME	<i>17.3 USEC</i>
SEC. <i>86 370.94 W.P. 11N</i>	RGE. <i>10W</i>		TIME CONSTANT	<i>1</i>
DATE <i>1-23-76</i>			PROBE DIA.	<i>1 1/16"</i>
DEPTH DRILLED <i>240'</i>			CALIPER	<i>-</i>
DEPTH LOGGED <i>238'</i>			DIRECTIONAL SURVEY	<i>-</i>
FOOTAGE LOGGED <i>238'</i>			TEMPERATURE	<i>-</i>
HOLE DIAMETER <i>5 5/8</i>			OPERATOR	<i>D. BRADLEY</i>
WATER FACTOR <i>1.177</i>			DRILLER	<i>SHARPE</i>
RESISTIVITY <i>10</i>	OHMS/INCH		CONTRACTOR	<i>REID</i>
SELF POTENTIAL <i>-</i>	M.V./IN.		LAST A.E.C. PIT RUN	<i>11-1-75</i>
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM				
TOP				
TOTAL FEET				
SCALE RUN				

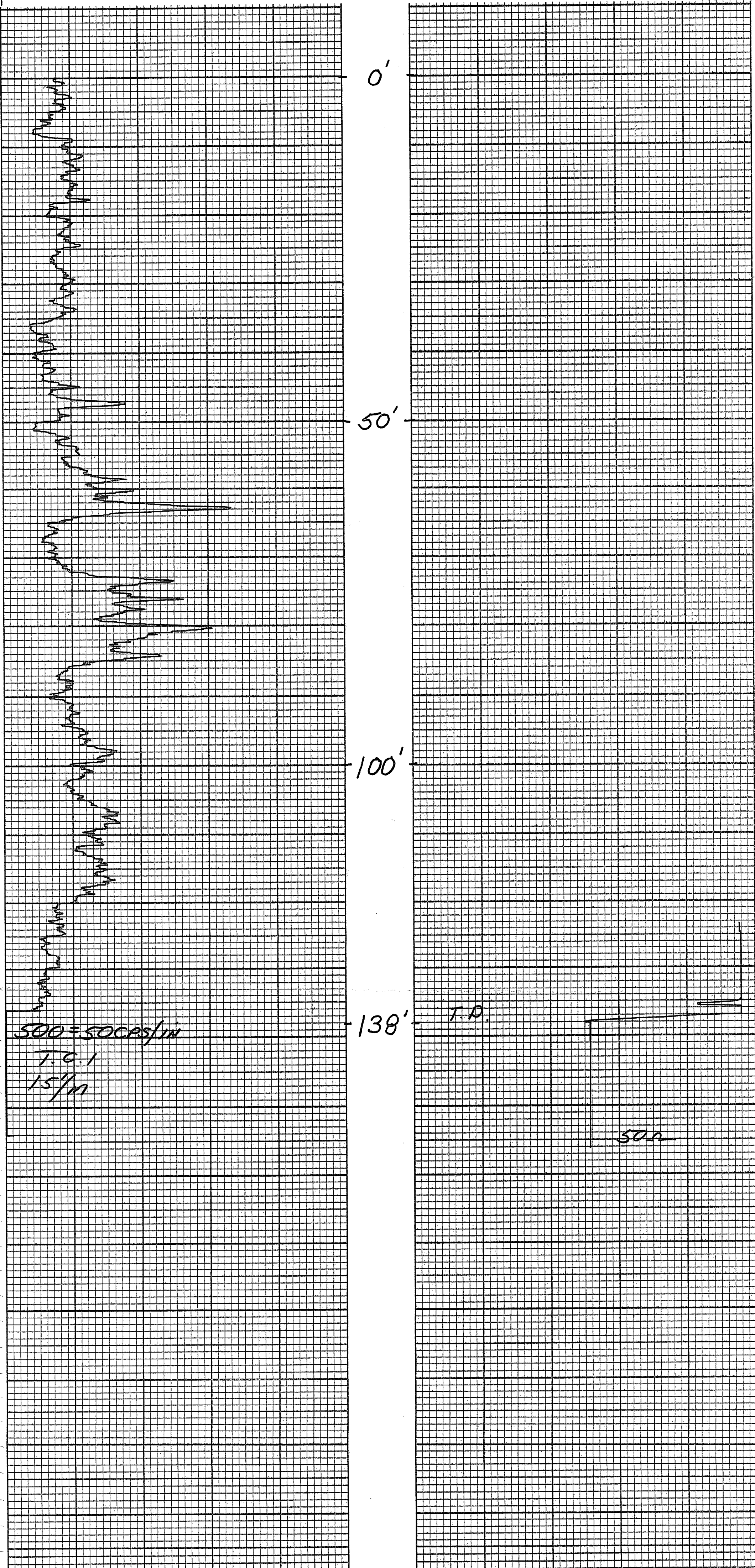


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. *AM-170*

LOCATION <i>ANDERSON MINE</i>			GAMMA SCALE	<i>500=50 CPS/IN</i>
COUNTY <i>YAVAPAI</i>	STATE <i>ARIZONA</i>		PROBE TYPE	<i>SCINT</i>
GP. <i>1204.003N</i> <i>640.781E</i>	ELEV. <i>1794'</i>		K-FACTOR	<i>2.14 x 10⁻⁵</i>
<i>1206 414.70 N</i>			DEAD TIME	<i>17.8 USEC</i>
SEC. <i>87 136.85E</i>	TWP. <i>11N</i>	RGE. <i>10W</i>	TIME CONSTANT	<i>1</i>
DATE	<i>1-23-76</i>		PROBE DIA.	<i>1 1/16"</i>
DEPTH DRILLED	<i>140'</i>		CALIPER	<i>-</i>
DEPTH LOGGED	<i>138'</i>		DIRECTIONAL SURVEY	<i>-</i>
FOOTAGE LOGGED	<i>138'</i>		TEMPERATURE	<i>-</i>
HOLE DIAMETER	<i>5 5/8</i>		OPERATOR	<i>D. BRADLEY</i>
WATER FACTOR	<i>1.177</i>		DRILLER	<i>SHARPE</i>
RESISTIVITY	<i>-</i>	OHMS/INCH	CONTRACTOR	<i>REID</i>
SELF POTENTIAL	<i>-</i>	M.V./IN.	LAST A.E.C. PIT RUN	<i>11-1-75</i>
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM				
TOP				
TOTAL FEET				
SCALE RUN				

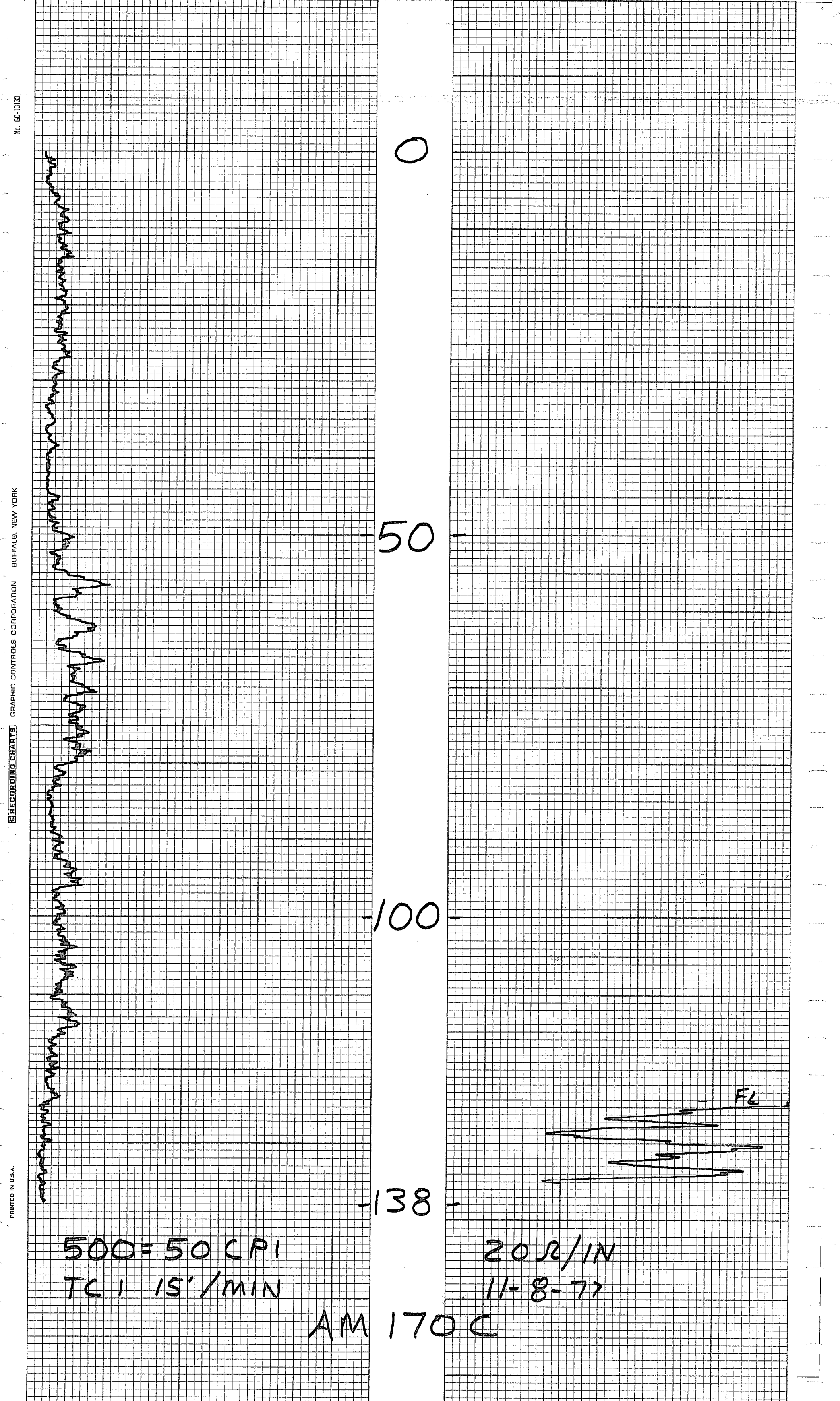


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 170C

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	9.2 μ S
DATE 11-8-77				TIME CONSTANT	1 SEC
DEPTH DRILLED 140				PROBE DIA.	1 5/8"
DEPTH LOGGED 138				CALIPER	
FOOTAGE LOGGED 138				DIRECTIONAL SURVEY	
HOLE DIAMETER 4"				TEMPERATURE	
WATER FACTOR NA				OPERATOR	ERIC
RESISTIVITY NA 202 OHMS/INCH				DRILLER	
SELF POTENTIAL NA M.V./IN.				CONTRACTOR	LONG-YEAR
RE RUNS 1ST. RUN 2ND. RUN 3RD. RUN				LAST A.E.C. PIT RUN	8-31-77
BOTTOM				FLUID LEVEL	125'
TOP				REMARKS:	
TOTAL FEET					
SCALE RUN					



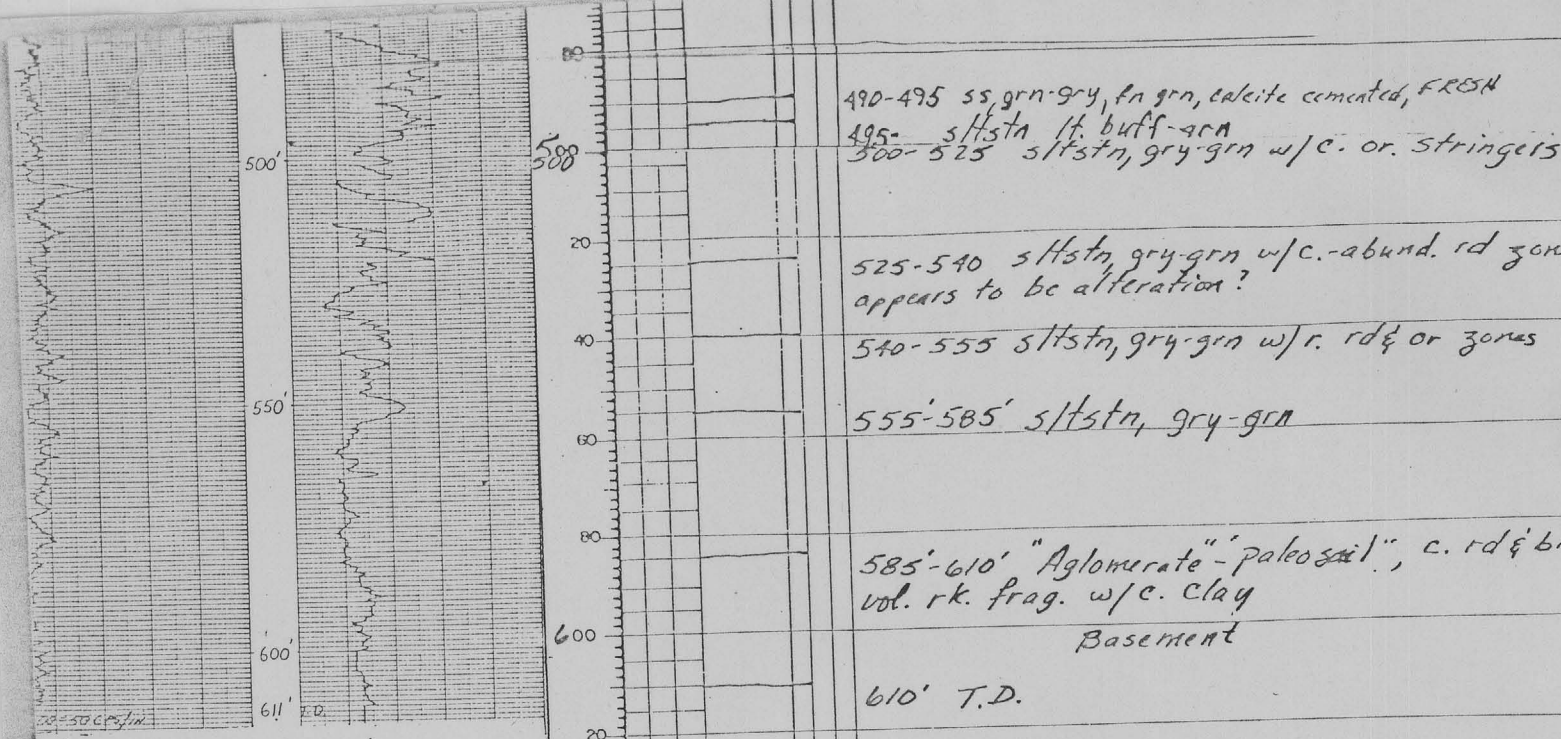
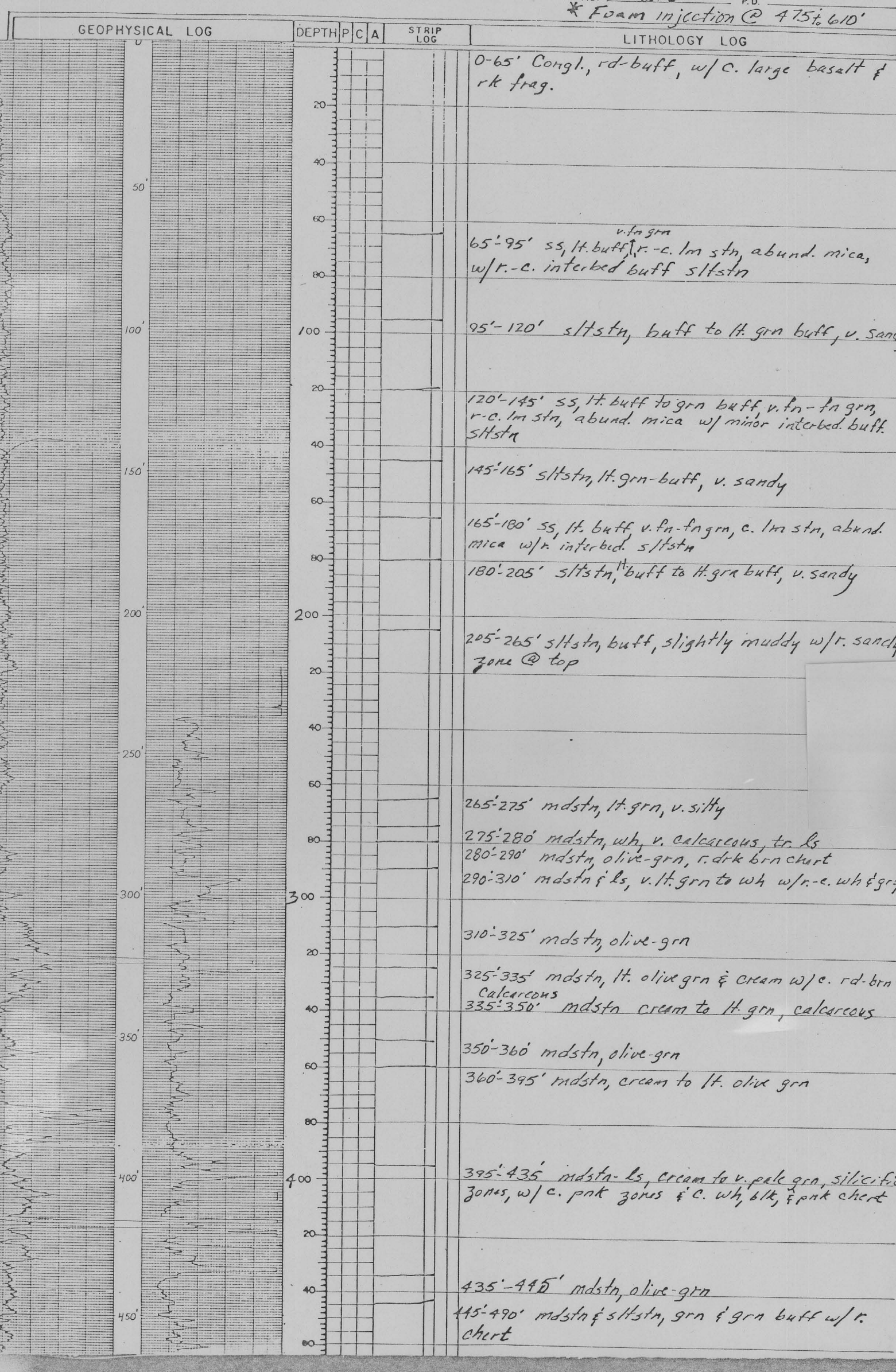
No. 60-13133
 RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
 PRINTED IN U.S.A.

PROJECT ANDERSON MINE HOLE SIZE _____ AIR WATER HOLE NO. AM-161

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY TSH DATE 1-20-76

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 450' P.D. _____
 *Foam injection @ 375 to TD

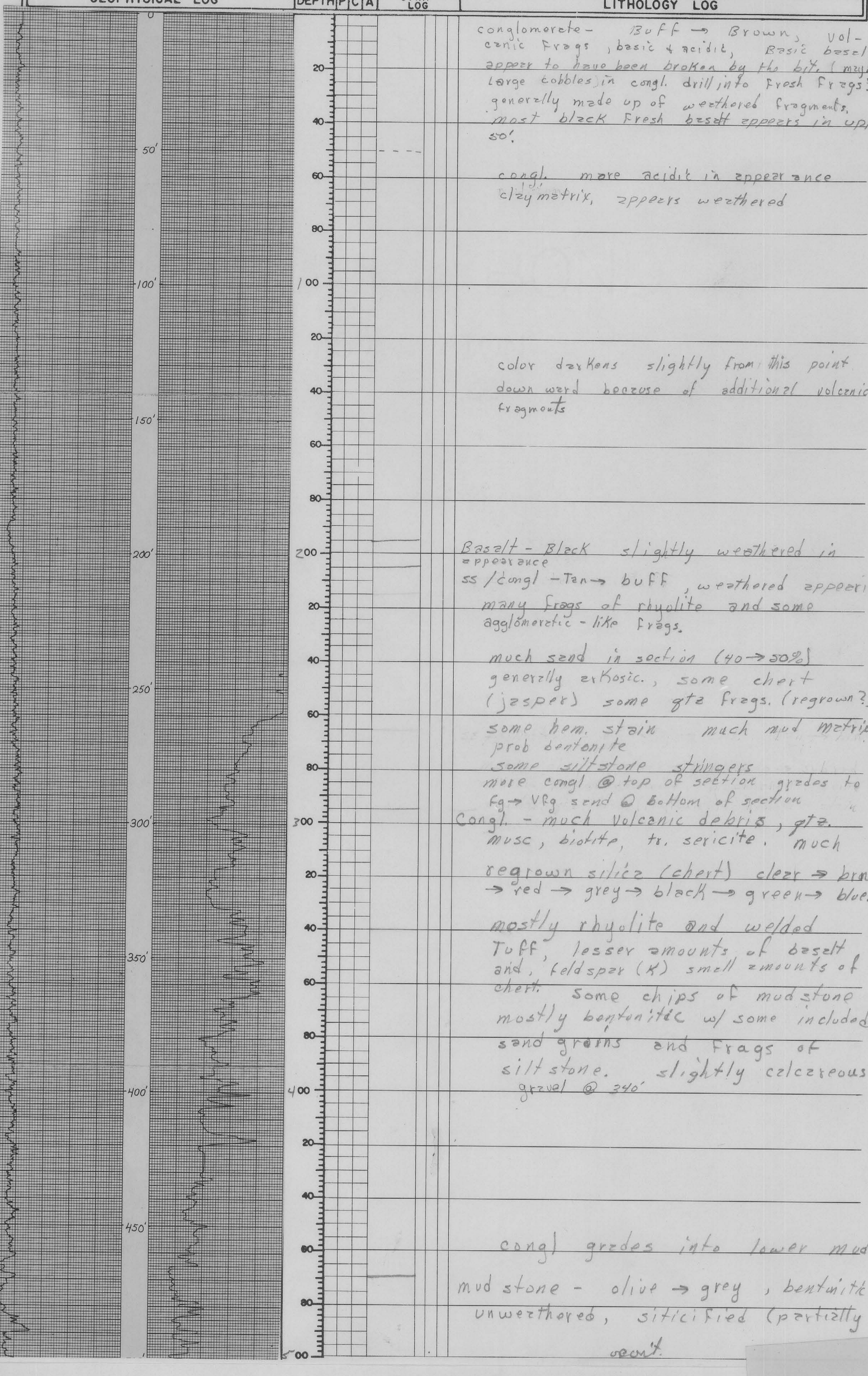
GEOPHYSICAL LOG		DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
		0					0'-85' ss, buff to gry buff, v. fn-fn grn, r.-c. 1m str, c.-abund. mica
		20					
		40					
		60					
		80					
		100					85'-100' ss, gry-buff fn-med grn, subrounded, r. mica, c. gtz & felds, r. 1m str.
		120					100'-125' ss buff, v. fn-fn grn, c-abund. mica, r.-c. 1m str.
		140					125'-135' ss, gry-buff
		160					135'-150' ss, buff to lt. buff, fn-v. fn grn, r.-c. 1m str., r.-a. mica
		180					150'-160' siltstn, rd & buff, v. sandy
		200					160'-175' siltstn, buff & grn-buff, v. mddy
		220					175'-195' siltstn, ^{lt.} buff to grn-buff, v. mddy
		240					195'-205' siltstn-mdstn, lt. grn
		260					205'-240' mdstn, ^{gry} lt. grn & wh w/c. interbed. wh ls & chert
		280					240'-260' ls & rare mdstn, wh, w/c. wh & gry chert
		300					260'-270' mdstn, crm to lt. grn, r.-c. gry & wh chert
		320					270'-280' mdstn, cream to r. lt. grn w/c. flesh colored calcareous
		340					280'-285' mdstn, olive-grn
		360					285'-300' mdstn, pink to red to cream, w/ r. lt. grn, c. rd stringers cutting wh cream mdstn, calcareous
		380					300'-325' mdstn, olive-grn
		400					325'-340' siltstn, buff w/ r.-c. yell-or. stringer
		420					340'-350' siltstn, buff to grn buff, v. sandy
		440					350'-365' ss, gry, fn-med grn, subangular gtz, or. felds, mica, r. rk. frag (basally), min & mica
		460					365'-375' siltstn, gry-grn
		480					375'-385' siltstn, gry-grn w/ r. or. zones
		500					385'-410' siltstn, gry-grn
		520					410'-420' siltstn, grn, slightly muddy
		540					420'-430' siltstn, gry-grn
		560					430'-450' Basement, Agglomerate, blk. & rd. col. r.
		580					450' T.D.



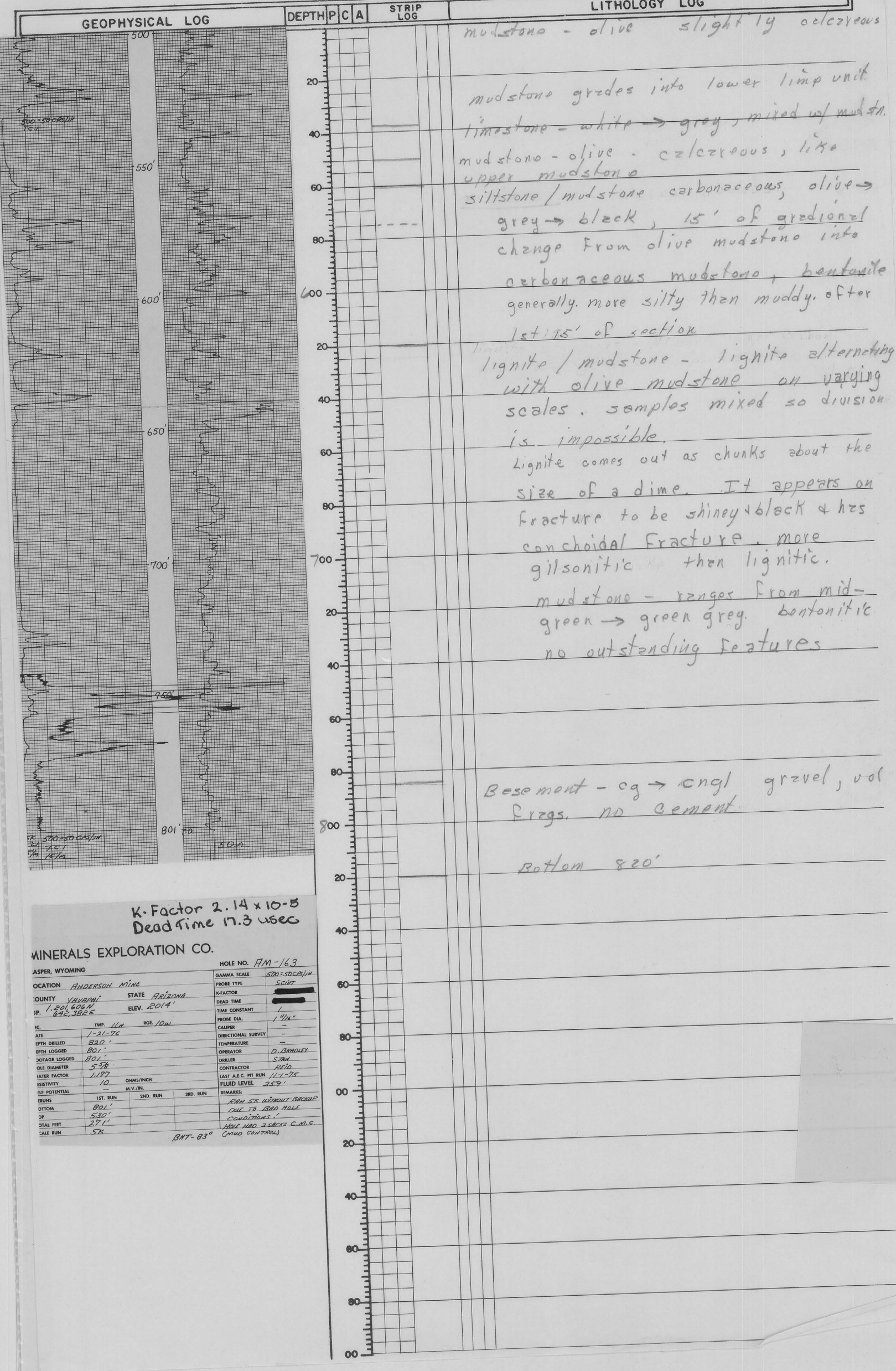
MINERALS EXPLORATION CO.

PROJECT	ANDERSON MINE	STATE	ARIZONA	SECTION	1	TOWNSHIP	12N	RANGE	10E
DATE	1-21-76	LOGGED BY	TSH	DATE	1-21-76	LOGGED BY	TSH	DATE	1-21-76
DEPTH	610'	LOGGED BY	TSH	DATE	1-21-76	LOGGED BY	TSH	DATE	1-21-76

PROJECT Anderson Mine HOLE SIZE 5 7/8 AIR WATER HOLE NO. AM-163
 ELEVATION _____ NORTH _____ EAST _____ LOGGED BY G.M. DATE Jan 21-76
 SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 820 P.D. _____
 Went to beam @ 340



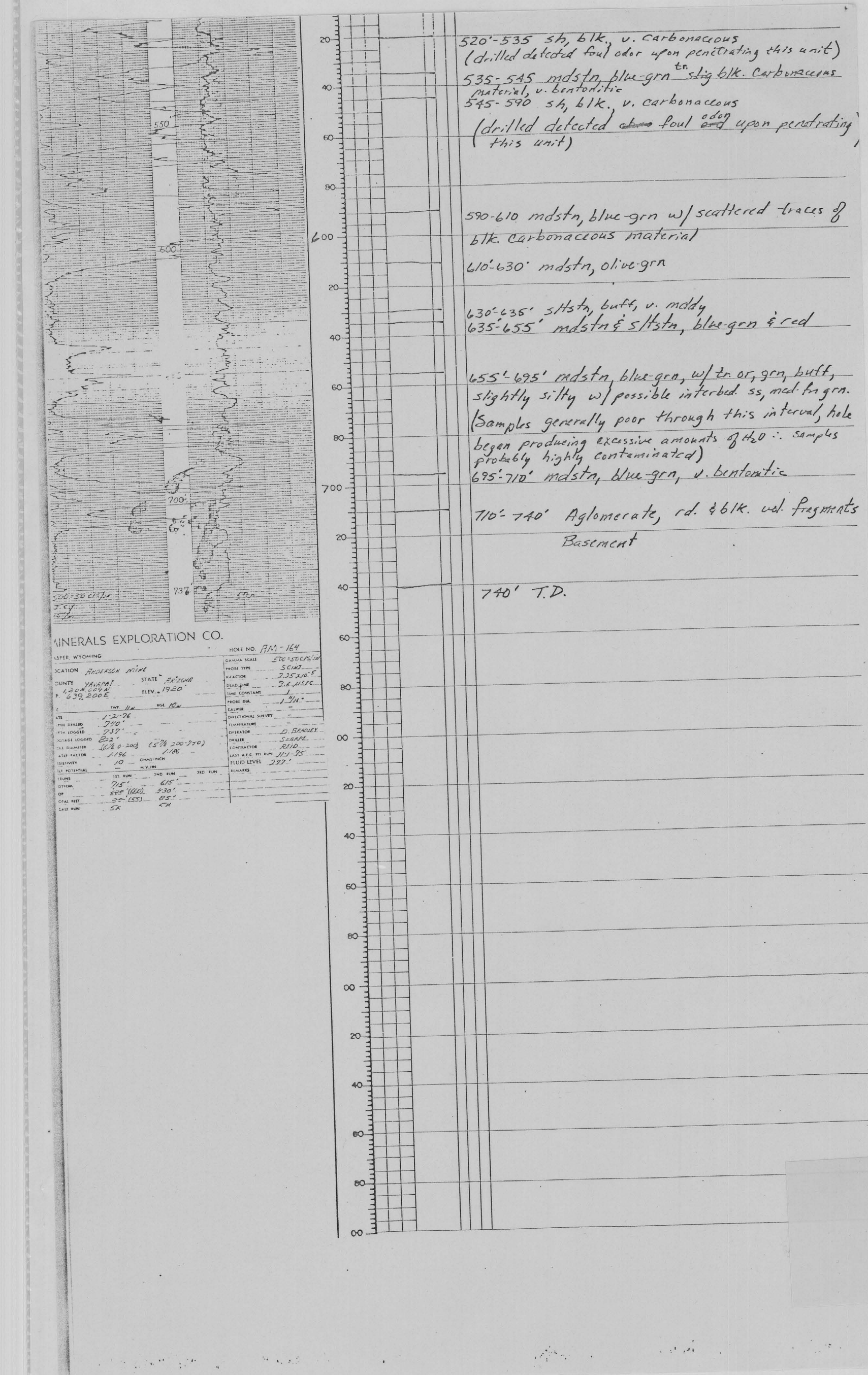
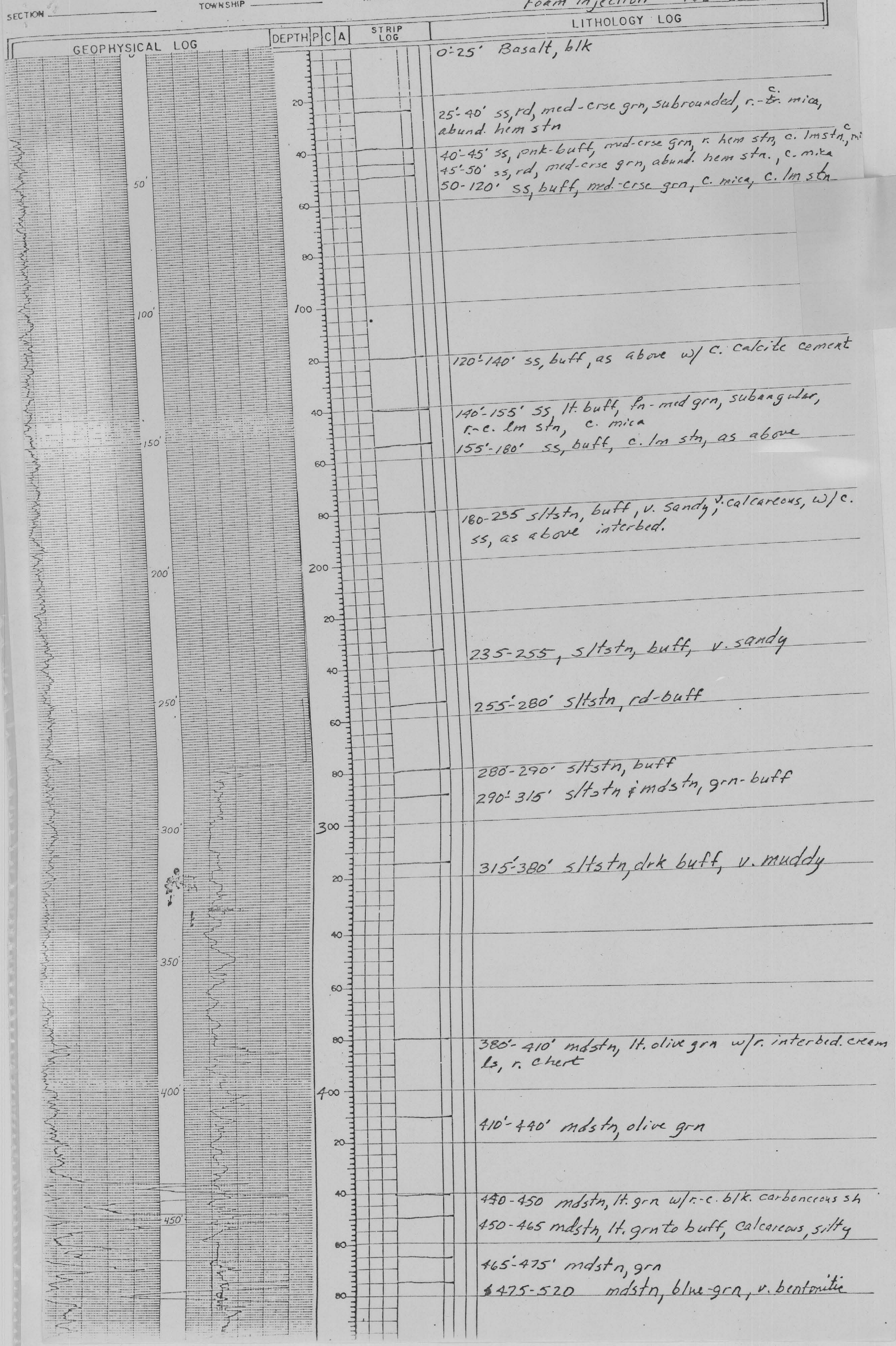
PROJECT Anderson Mine HOLE SIZE 5 7/8 AIR WATER HOLE NO. AM-163
 ELEVATION _____ NORTH _____ EAST _____ LOGGED BY G.M. DATE Jan 21-76
 SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 820 P.D. _____



K-Factor 2.14 x 10⁻⁵
 Dead time 17.3 uses

MINERALS EXPLORATION CO.

DATE	1-21-76	HOLE NO.	AM-163
LOCATION	Anderson Mine	STATE	Arizona
CITY	Yuma	ELEV.	2014'
IP	1-20-76	LOG	CONDUCT
IC	1-21-76	LOG	CONDUCT
DATE LOGGED	1-21-76	OPERATOR	D. JARVIS
LOG SHEET NO.	528	CONTRACTOR	MECO
LOG SHEET NO.	1177	LOG SHEET NO.	1177
LOG SHEET NO.	1177	LOG SHEET NO.	1177
LOG SHEET NO.	1177	LOG SHEET NO.	1177



MINERALS EXPLORATION CO. HOLE NO. AM-164

SECTION	ANDERSON MINE	STATE	NEBRASKA	COUNTY	BOYD	SECTION	36	TOWNSHIP	22 N	RANGE	10 W
DATE	1-22-76	LOGGERS	T.S.H.	ASSISTANT	D. BENNETT	DIAMETER	5.00"	DEPTH	740'	LOG	LOG
START	7:00	STOP	11:00	TIME	4:00	DRILLER	T.S.H.	LOGGERS	T.S.H.	ASSISTANT	D. BENNETT
START DEPTH	0	STOP DEPTH	740	START TIME	7:00	STOP TIME	11:00	LOGGERS	T.S.H.	ASSISTANT	D. BENNETT
START TIME	7:00	STOP TIME	11:00	LOGGERS	T.S.H.	ASSISTANT	D. BENNETT	DRILLER	T.S.H.	LOGGERS	T.S.H.

PROJECT Anderson Mine HOLE NO. AM-165
 HOLE SIZE _____ AIR WATER
 ELEVATION _____ NORTH _____ EAST _____ LOGGED BY TSH DATE 1-23-76
 SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 490' P.D. _____

GEOPHYSICAL LOG		DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
		0					0-10' Basalt, blk, w/ thin red "chill" zone @ base?
		10					10-30' Congl, rd-buff,
		30					30-100' ss, grn-buff to lt. buff fn-v. fn grn, subangular, r.-c. lm stn, c. mica, w/r. interbed sltstn
		100					100-115' sltstn, grn, v. mddy
		115					115-145' ss, lt. grn-buff, v. micaceous w/c. interbed sltstn, c. lm stn
		145					145-165' ss, buff, as immediately above
		165					165-170' sltstn, buff
		170					170-180' ss, lt. buff, as previously described
		180					180-195' sltstn ss, buff, as above
		195					195-200' sltstn, buff v. mddy
		200					200-205' ss, buff, as previously described
		205					205-245' sltstn, buff, v. sandy
		245					245-265' mdstn, v. pale grn to cream, c. chert & r.-c. Calc. te cement
		265					265-270' mdstn, grn
		270					270-290' ls, wh w/c. interbed cream mdstn & wh chert
		290					290-315' mdstn, olive-grn
		315					315-330' mdstn, lt. grn, v. calcareous
		330					330-335' mdstn, grn
		335					335-360' mdstn, cream w/ c. interbed wh ls
		360					360-385' mdstn & ls, cream to lt. pnt, c. brn & rd chert
	385					385-400' mdstn & sltstn, grn-buff	
	400					400-430' sltstn, buff w/r. rd stringers & oc stringers	
	430					430-470' sltstn, buff	
	470					470-490' "Aglom" w/c. rd & blk vol. frag.	
	490					Basement	
						490' T.D.	

MINERALS EXPLORATION CO.
 ISPER, WYOMING
 LOCATION ANDERSON MINE
 COUNTY YOONIPAI STATE ARIZONA
 TWP. 11N R. 10W
 HOLE NO. AM-165
 GAMMA SCALE 500-5000cpm
 PROBE TYPE SCINT
 K.FACTOR 2.25x10⁻⁵
 DEAD TIME 9.6 μSEC
 TIME CONSTANT 1
 HOLES DIA 1 1/2"
 CALIBER 1 1/2"

PROJECT Anderson Mine

HOLE SIZE _____

AIR WATER

HOLE NO. AM-166

ELEVATION 2026

NORTH _____

EAST _____

LOGGED BY DBD

DATE 1-23-76

SECTION _____

TOWNSHIP 11N

RANGE 10W

I.D. 840

P.D. 796

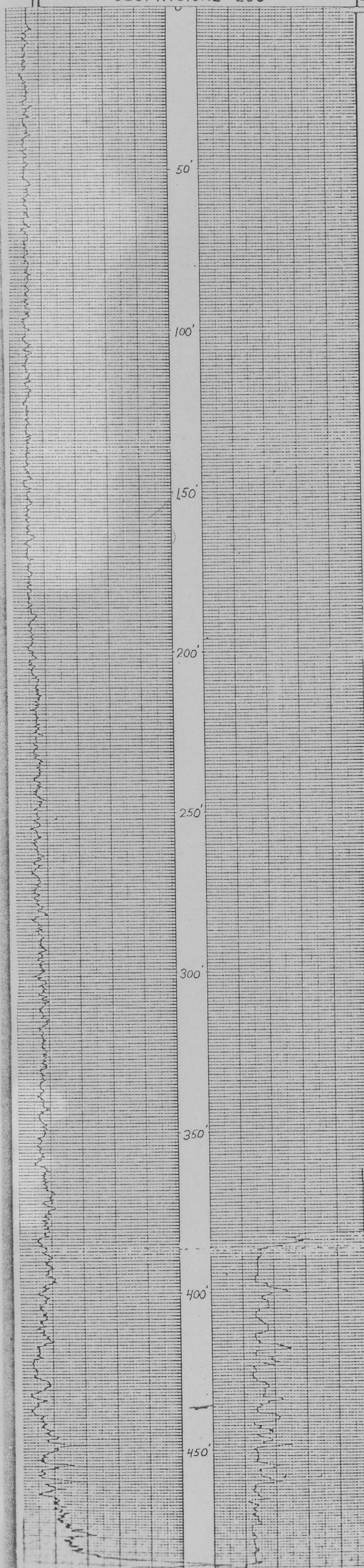
foam

GEOPHYSICAL LOG

DEPTH P C A

STRIP LOG

LITHOLOGY LOG



0-20 QAL

20-200 med brn conglomerate characterized by volcanic material, color unat.

200-275 lt brn - med brn conglomerate characterized by granitic material

275-340 med brn mudstn & conglomerate. Generally appears to be a gradational contact betw the mudstn of the UTM and the conglomerate. Generally much more sandy than UTM.

340-385 med brn sandy siltstn.

385-390 med brn siltstn; olive grn siltstn
390-400 med brn sandy siltstn
400-425 med brn siltstn

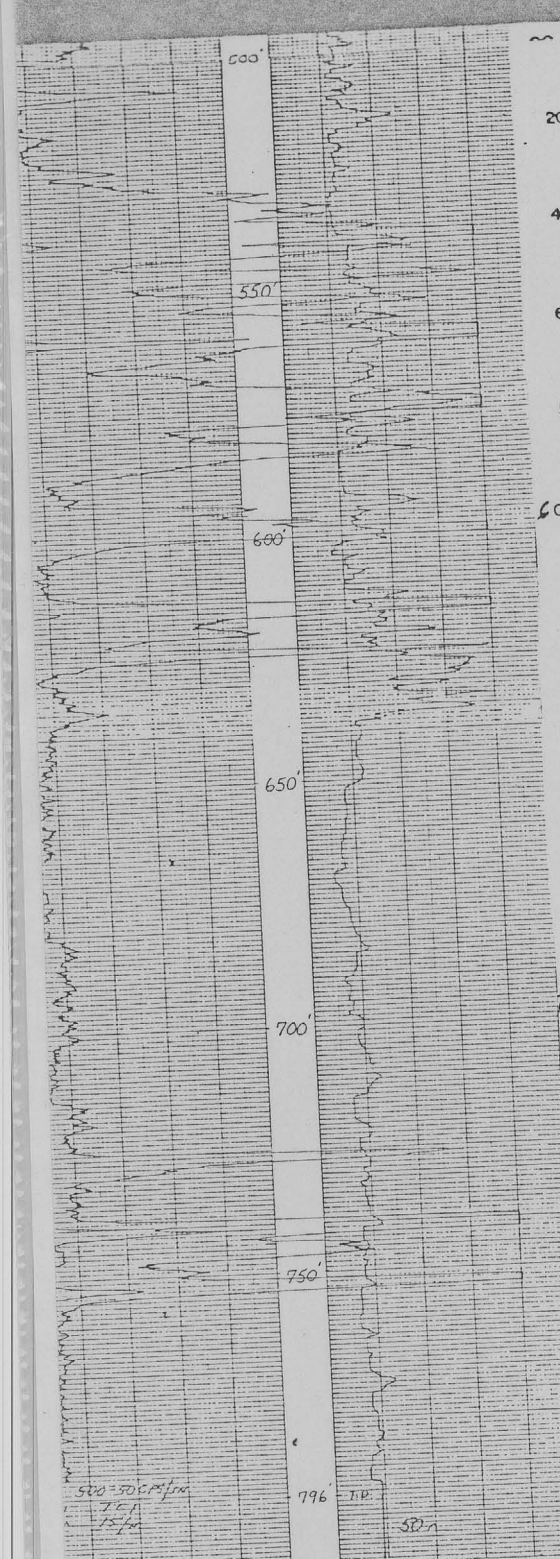
425-460 olive grn siltstn; silicified olive grn siltstn, white ls

460-470 white ls, white, brn chert; white bentonit

470-480 olive grn siltstn; white bentonit

480-530 olive grn siltstn; white ls; common white bentonit
white, brn chert

AM
166
1 of 2



530-540 blue gray siltstn/mudstn

540-555 interbedded blue-gray carbonaceous siltstn & blk carbonaceous shale

555-580 blk carbonaceous shal; brn ls; common blue gray siltstn.

580-615 blue-gray carbonaceous siltstn, thin stringers of hard blk carbonaceous shale.

615-625 hard blk carbonaceous shale; lt brn ls.

625-645 interbedded gray-grn siltstn & white, brn silicified ls; white brn chert.

645-675 brn-grn siltstn.

675-690 pale grn siltstn w/patches of orange siltstn

690-700 brn-grn siltstn

700-750 mg-cg arkosic sand - not cement. Rounded-subangular frags of qtz, feldsp, pink fct, granitic and weathered volcanics. Common limonite stn. To? hematite stn. hallopr show little or no attraction.

750-755 Similar to above but with common g-y carbonaceous siltstn. Contamination?

755-775 ag arkosic sand; fr weathered vol volcanics. Rounded-subangular frags of qtz, hallopr, maties and granitic material. Common limonite stn. To? hematite stn.

775-840 mg-cg arkosic sand w/little or no cement. Volcanic frags are more fresh (brn-red) and more numerous. Contains some pink siltstn. Foam at this point turned pink. To: rare limonite stn. Basement?

840 T.P.

AM
166
2 of 2

MINERALS EXPLORATION CO.

SPEL, WYOMING		HOLE NO. <u>AM-166</u>	
CANYON <u>Anderson Mine</u>	STATE <u>ARIZONA</u>	LOG SHEET NO. <u>300</u>	LOG SHEET DATE <u>1-23-76</u>
COUNTY <u>YAVAPAI</u>	TOWNSHIP <u>11N</u>	RANGE <u>10W</u>	ELEVATION <u>2026</u>
SECTION <u>34E</u>	SECTION <u>34E</u>	SECTION <u>34E</u>	SECTION <u>34E</u>
DATE <u>1-23-76</u>	DATE <u>1-23-76</u>	DATE <u>1-23-76</u>	DATE <u>1-23-76</u>
LOGGERS <u>DBD</u>	LOGGERS <u>DBD</u>	LOGGERS <u>DBD</u>	LOGGERS <u>DBD</u>
OPERATOR <u>DBD</u>	OPERATOR <u>DBD</u>	OPERATOR <u>DBD</u>	OPERATOR <u>DBD</u>
SPONSOR <u>DBD</u>	SPONSOR <u>DBD</u>	SPONSOR <u>DBD</u>	SPONSOR <u>DBD</u>
DEPTH <u>840</u>	DEPTH <u>840</u>	DEPTH <u>840</u>	DEPTH <u>840</u>
TIME <u>8:00</u>	TIME <u>8:00</u>	TIME <u>8:00</u>	TIME <u>8:00</u>
WIND <u>SW</u>	WIND <u>SW</u>	WIND <u>SW</u>	WIND <u>SW</u>
TEMP <u>50</u>	TEMP <u>50</u>	TEMP <u>50</u>	TEMP <u>50</u>
HUMID <u>100</u>	HUMID <u>100</u>	HUMID <u>100</u>	HUMID <u>100</u>
BAROM <u>30.2</u>	BAROM <u>30.2</u>	BAROM <u>30.2</u>	BAROM <u>30.2</u>
WATER LEVEL <u>30.2</u>	WATER LEVEL <u>30.2</u>	WATER LEVEL <u>30.2</u>	WATER LEVEL <u>30.2</u>

DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0-120'					Congl. rd-buff w/c subrounded to angular rk frag. - basalt & acid igneous rk frag.
120-150'					ss, dk buff, med-crse grn, subangul c. lm stn, r. mica, r-c. rk frag.
150-190'					ss, gry-buff, as above w/r. lm stn
190-265'					ss, lt. buff, med-crse grn, c. lm, c. rk frag.
265-285'					ss, lt. yellow buff, as above
285-305'					ss, lt. pinkish-buff, as above w/ r. hem stn
305-345'					ss, rd-buff, as above w/r-c. hem st.
345-360'					siltstn, buff, v. sandy
360-375'					siltstn, pale greenish-buff, v. muddy
375-385'					mdstn & ls, pale grn & cream w/c. chert
385-435'					mdstn, pale grn w/r. interbed. wh ls and chert
435-470'					mdstn, pale grn to pale blue grn

AM
167
1/2

DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
485-505'					siltstn, blue-gry to black w. mudstn & v. carbonaceous
505-520'					sh, blk v. carbonaceous
520-540'					mdstn, blue-grn, v. bentonitic
540-565'					mdstn as above w/c. to abund. interbed blk carbonaceous mdstn & lignite
565-580'					mdstn, lt. blue grn, slightly calcareous
580-600'					siltstn, pale grn, v. muddy
600-620'					[sample destroyed from 600-620'] gr-buff
620-665'					ss, r. c. - crse grn, angular to subrounded, r-c. lm stn, tr. rd. sh & rd frag. drilled well (soft), produced large amounts of water
665-680'					mdstn, blue-grn w/c. interbed carbonaceous zones
680-685'					ss, as prev. described
685-690'					mdstn, blk, v. carbonaceous
690-740'					ss, buff, med-crse grn, subangular, r-c. lmstn, tr. rd. vol. frag. slightly rounded - drilled v. hard
740'					T.D.

AM
167
2/2

MINERALS EXPLORATION CO.

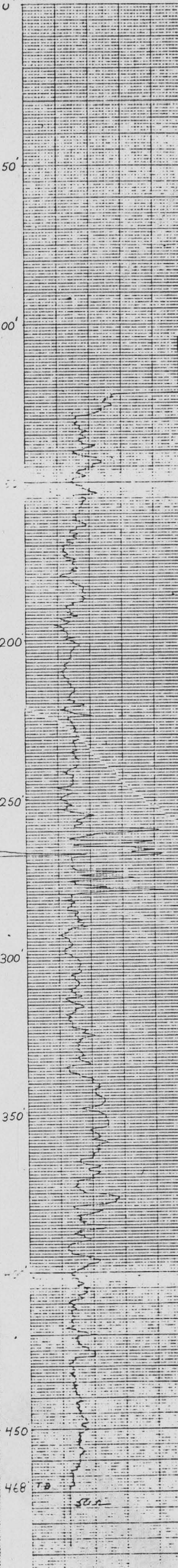
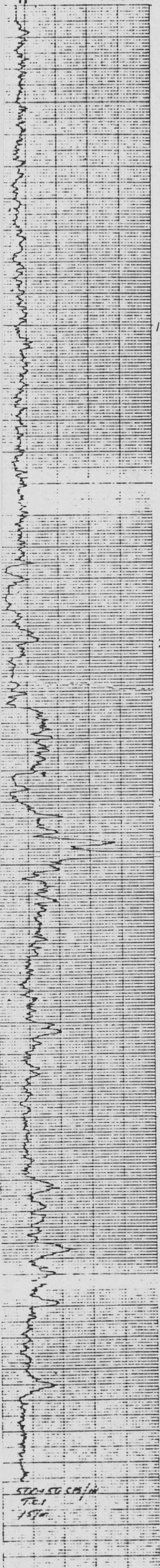
PROJECT	Anderson Mine	HOLE NO.	AM-167
DATE	1-22-76	LOGGED BY	JSH
STATE	Illinois	DATE	1-22-76
COUNTY	Madison	LOGGED BY	JSH
TOWNSHIP	12N	DATE	1-22-76
RANGE	12E	LOGGED BY	JSH
SECTION	36	DATE	1-22-76
DEPTH	740'	LOGGED BY	JSH
LOG	AM-167	DATE	1-22-76

GEOPHYSICAL LOG

DEPTH P C A

STRIP LOG

LITHOLOGY LOG



0 → 40' cngr/SS: Brn → Buff, sand size generally fg → mg w/ some cg. Rock frzgs mostly vol, both fresh and weathered w/ some chips of calcite cemented sand, pieces of mudstone, tr. of Kzolin, sand gen. arkosic

40 → 175 siltstone: Brn → tan, bentonitic 0 → 10% sand size part. (gtz and K-fold), 20 → 30% silt size part (gtz) 1% ± musc. much brn stained mudstone (Fe stain) tr. biotite and sericite tr. chlorite.

175 → 260 mudstone: olive green → white. The white layers of mudstone seem to be virtually pure bentonite. Alternates on a relatively large scale (20') w/ olive green mudstone (Fe stain) some chert @ 245' and down (245' - green) 250' & down, ~~green~~ white & red.

260 → 275 Limestone: white → lt. grey siliceous, interbedded w/ mudstone

275 → 320 Mudstone: red → green bentonitic, grades to Brn in bottom 15' of section & becomes siltier and then grades into section below

320 → 375 ss/siltstone Brn → Buff fg → Vfg → mg, upper 20' siltstone 50% / mudstone 50% @ 340' section grades into fg → Vfg ss - subarkose, tr biotite, 1% ± musc. tr vol. frzgs

375 → 440 mudstone/SS/cngr section mostly mudstone w/ some sand size & cngr frzgs (10% mudstone red → green ss generally gtz w/ some K-fold. cngr generally large pieces of chert or Vol. frzgs.

440 → TD Basement - Vol. agglomerate both fresh & weathered frzgs, little cement, may be more properly a fine Vol. gravel

TD 480

PROJECT Anderson Mine

HOLE SIZE _____ AIR WATER

HOLE NO. AM-169

ELEVATION _____ NORTH _____

EAST _____

LOGGED BY Tskt DATE 1-25-76

SECTION _____ TOWNSHIP _____

RANGE _____

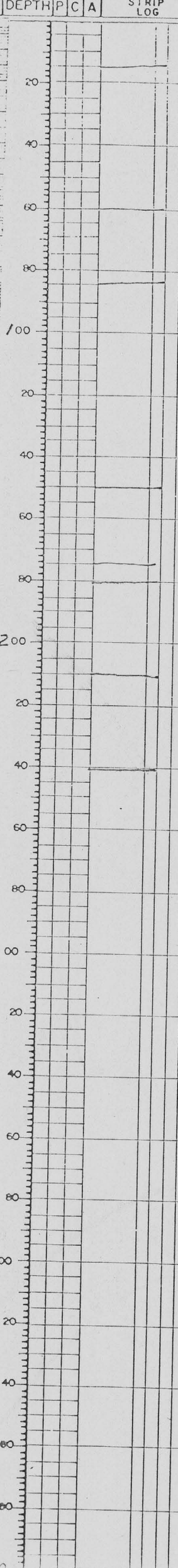
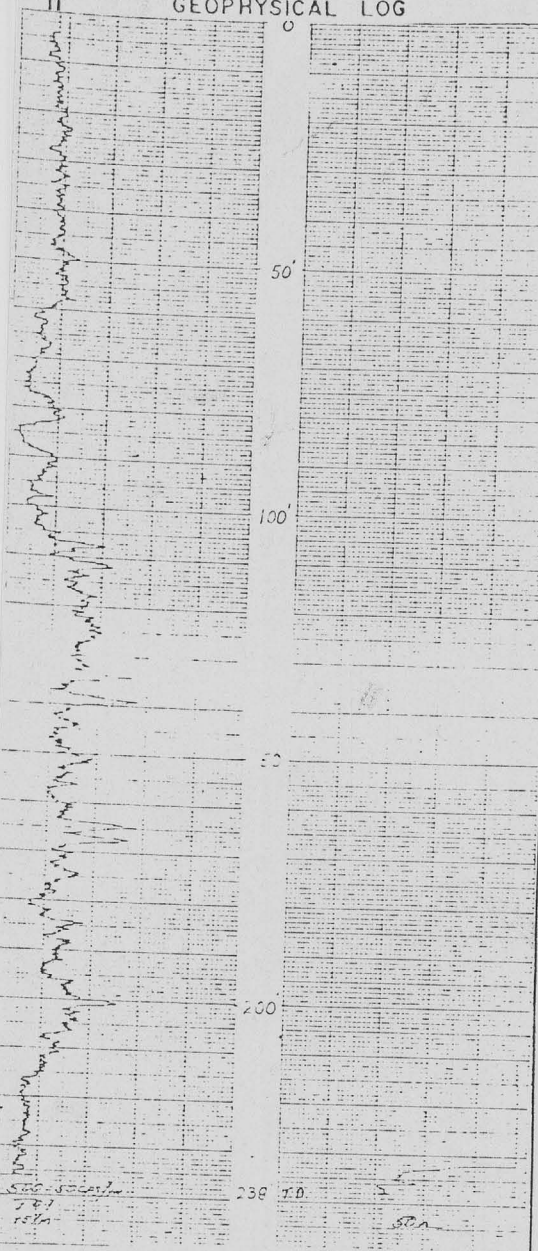
T.D. 240' P.D. _____

GEOPHYSICAL LOG

DEPTH P C A

STRIP LOG

LITHOLOGY LOG



0-15 Congl, buff, c. igneous rk frag.

15-60 s/lstn, buff to grn-buff, v. sandy @ top to v. muddy @ base

60-~~150~~⁸⁵ mdstn, grn
(poor samples)

85-150 mdstn, v. pale grn, calcareous
(poor samples)

150-175 mdstn, olive-grn
(poor samples)

175-180 ls, cream, c. chert

180-210 mdstn, v. pale grn w/ c-r. interbed. ls, slightly silicified, c. chert

210-240 Aglom., containing c. blk & rd vol. frag.

Basement

240' T.D.

Samples placed on side of hill among
bot boulders, out cactus, etc. - generally difficult
in locating all of the samples & reading them

MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO. <u>AM-169</u>	
LOCATION	<u>ANDERSON MINE</u>	GAMMA SCALE	<u>500-150 CPS/IN</u>
COUNTY	<u>YEARNS</u>	PROBE TYPE	<u>SCINT</u>
STATE	<u>WYOMING</u>	ALFACTOR	<u>2.25 X 10⁻⁵</u>
CO. <u>1204001A</u>	ELEV. <u>1676'</u>	DEAD TIME	<u>9.6 USEC</u>
GP. <u>690,0152</u>		TIME CONSTANT	<u>1</u>
SEC	<u>TOP 114</u>	PROBE DIA.	<u>1 3/4"</u>
DATE	<u>1-25-76</u>	CALIBER	
DEPTH DRILLED	<u>240'</u>	DIRECTIONAL SURVEY	
DEPTH LOGGED	<u>238'</u>	TEMPERATURE	
HOISTAGE LOGGED	<u>238'</u>	OPERATOR	<u>D. SHADLEY</u>
HOLE DIAMETER	<u>5 3/8"</u>	DRILLER	<u>SHARPE</u>
WATER FACTOR	<u>1.177</u>	CONTRACTOR	<u>REID</u>
RESISTIVITY	<u>10</u>	LAST A.C. PT RUN	<u>114-95</u>
SURF. POTENTIAL		FLUID LEVEL	<u>232'</u>
PIPING		REMARKS	
BUTTON			
TOP			
TOTAL FEET			
SCALE RUN			