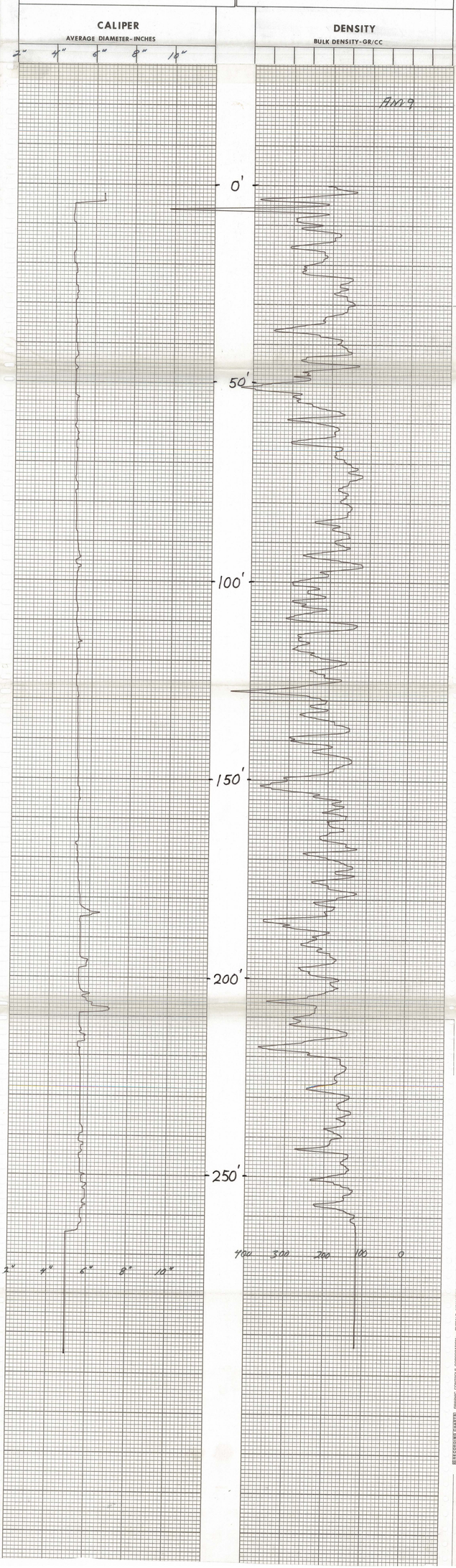
MINERALS EXPLORATION CO.

CASPER, WYOMING

AREA ANDERSON MINE		1206 080.66N 90 919.46E	
GRID POINT ~~203,736.7N 644,569.3E~~	ELEVATION 1994'		HOLE NO. AM-9
COUNTY YAVAPAI	STATE ARIZONA		GAMMA-GAMMA DENSITY
SEC. 10	TWP. 11N	RGE. 10W	

BOREHOLE DATA			LOG DATA			
DATE	1-30-75		TOTAL DEPTH LOGGED	262	FT.	
DRILLER	FRED		TOTAL FOOTAGE LOGGED	262	FT.	
DRILLER DEPTH	270	FT.	LOG SPEED	20 ~~100~~	FT./MIN.	
BIT SIZE	5½"	IN.	LOG SCALE	100	CPS/IN.	T.C. 1
FLUID LEVEL	DRY	FT.	DETECTOR TYPE	SCINT	DETECTOR SIZE	1½x½
CSG.			DECENTRALIZED	✓	CENTRALIZED	
			SOURCE TYPE	Cs137	SOURCE SIZE	125Mc
REMARKS			TRK. NO.	29		
			OPERATOR	BRADLEY		

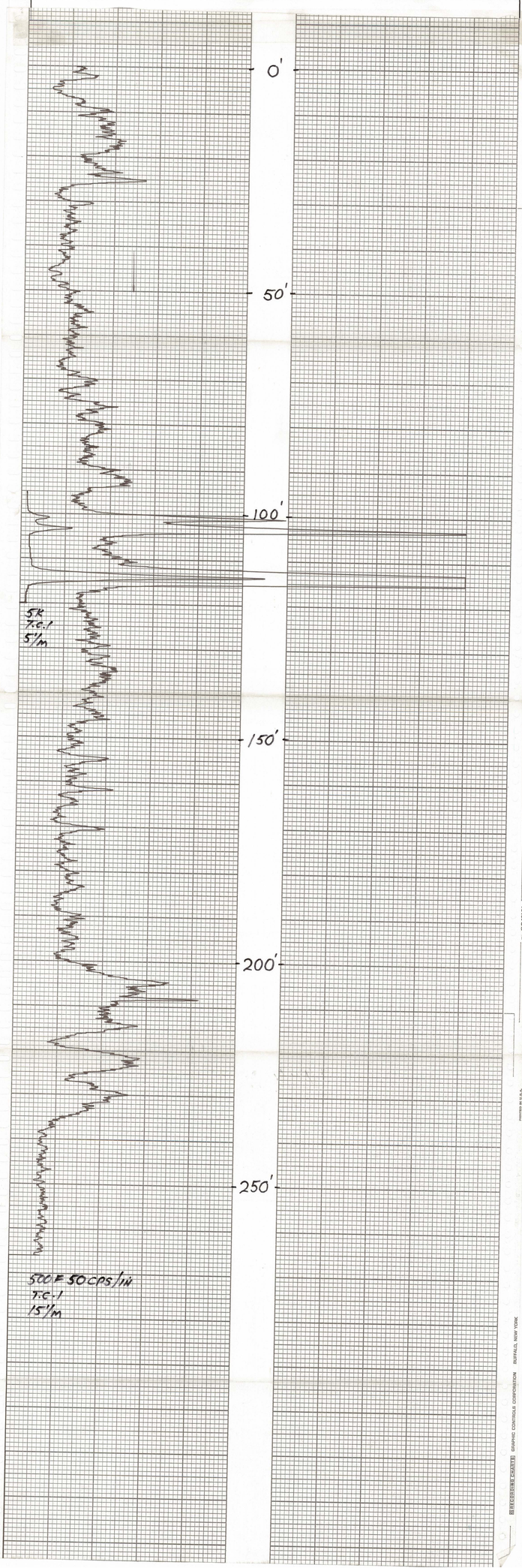


MINERALS EXPLORATION CO.

CASPER, WYOMING — **HOLE NO.** AM-9

LOCATION	ANDERSON MINE 1206080.66N 90919.46E	**GAMMA SCALE**	500
		PROBE TYPE	SCINT
COUNTY	YAVAPAI **STATE** ARIZONA	**K-FACTOR**	2.31×10^{-5}
GP.	~~1,203,736.7~~ N ~~644,569.3~~ E **ELEV.** 1994'	**DEAD TIME**	9.6 μSEC.
		TIME CONSTANT	1
SEC. 10	**TWP.** 11N **RGE.** 10W	**PROBE DIA.**	1 11/16"
DATE	1-30-75	**CALIPER**	
DEPTH DRILLED	270'	**DIRECTIONAL SURVEY**	–
DEPTH LOGGED	268'	**TEMPERATURE**	–
FOOTAGE LOGGED	293'	**OPERATOR**	D. BRADLEY
HOLE DIAMETER	5 1/2	**DRILLER**	FRED
WATER FACTOR	1.172	**CONTRACTOR**	UNIVERSAL
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	120'			
TOP	95'			
TOTAL FEET	25'			
SCALE RUN	5K			



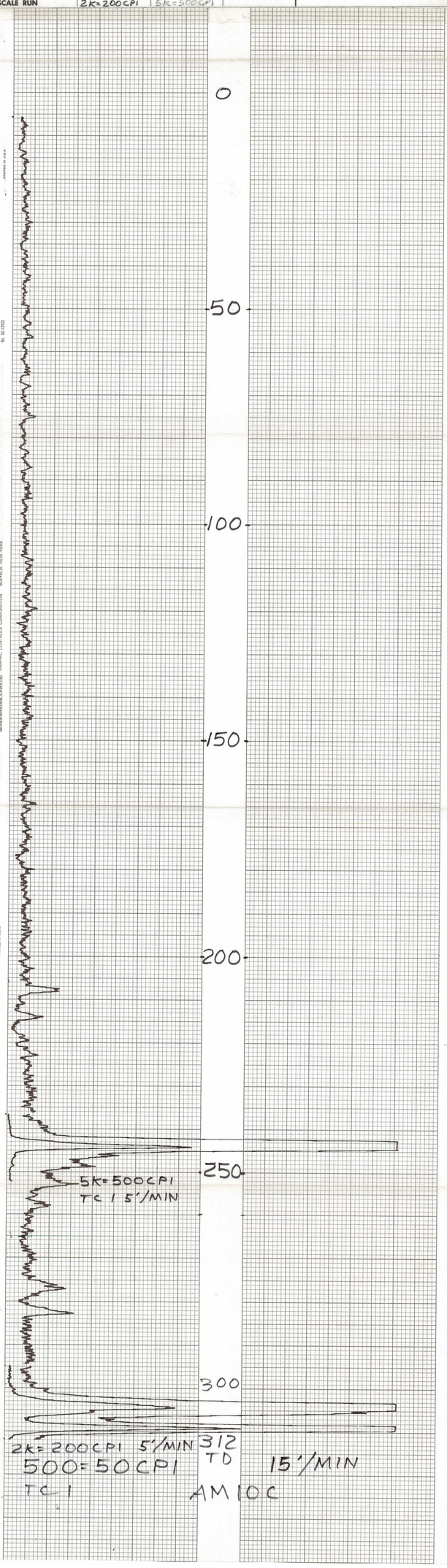
MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM 10C

LOCATION ANDERSON MINE		**GAMMA SCALE**	500 = 50CPI
COUNTY YAVAPAI	**STATE** AZ	**PROBE TYPE**	SCINT
GP.	**ELEV.**	**K-FACTOR**	5.43 E-5 DIG
		DEAD TIME 9.24 µs	6.01 E-5 ANL
		TIME CONSTANT	1 SEC
SEC.	**TWP.** **RGE.**	**PROBE DIA.**	1 5/8"
DATE	10-28-77	**CALIPER**	
DEPTH DRILLED	310	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	312	**TEMPERATURE**	
FOOTAGE LOGGED	344	**OPERATOR**	ERIC
HOLE DIAMETER	5"	**DRILLER**	SHELTON
WATER FACTOR	NA	**CONTRACTOR**	"
RESISTIVITY	NA OHMS/INCH	**LAST A.E.C. PIT RUN**	8-31-77
SELF POTENTIAL	NA M.V./IN.	**FLUID LEVEL**	DRY HOLE

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	312	252	
TOP	295	237	
TOTAL FEET	17	15	
SCALE RUN	2K=200CPI	5K=500CPI	

REMARKS:



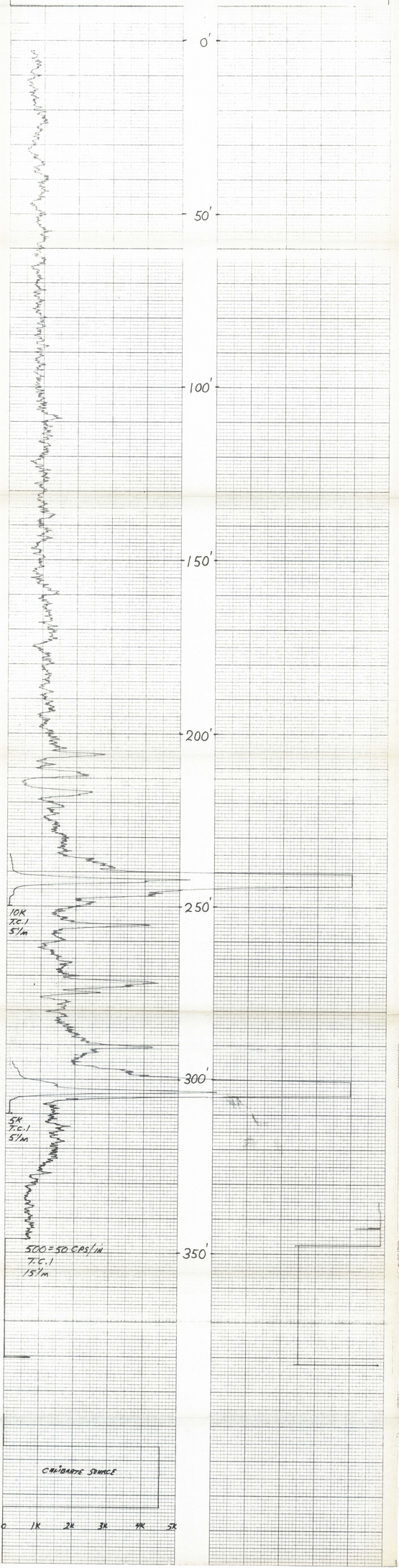
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-10

LOCATION	ANDERSON MINE 1206 398.96N 82 726.86E	GAMMA SCALE	500
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.31×10^{-5}
GP.	~~[illegible]~~	DEAD TIME	9.6 μSEC
ELEV.	1929'	TIME CONSTANT	1
SEC.	9	PROBE DIA.	1 1/16"
TWP.	11N	CALIPER	–
RGE.	10W	DIRECTIONAL SURVEY	–
DATE	1-29-75	TEMPERATURE	–
DEPTH DRILLED	350	OPERATOR	D. BRADLEY
DEPTH LOGGED	348	DRILLER	FRED
FOOTAGE LOGGED		CONTRACTOR	UNIVERSAL
HOLE DIAMETER	5 1/2"	LAST A.E.C. PIT RUN	11-4-74
WATER FACTOR		FLUID LEVEL	DRY
RESISTIVITY	— OHMS/INCH	REMARKS:	
SELF POTENTIAL	— M.V./IN.		

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	310'	250'	
TOP	295'		
TOTAL FEET	15'		
SCALE RUN	5K	~~5K~~ 10K	

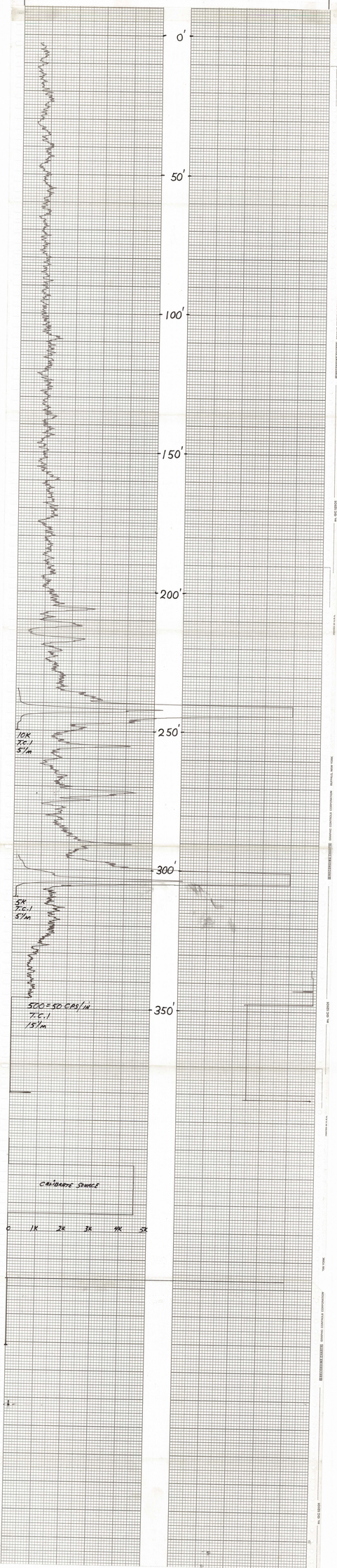


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-10

LOCATION	ANDERSON MINE 1206 398.96N 82 726.86E	GAMMA SCALE	500
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
GP.	~~1,203,908 N~~ ~~[illegible]~~ E ELEV. 1929'	K-FACTOR	2.31 X10^{-5}
		DEAD TIME	9.6 μSEC
SEC. ~~8~~ 9	TWP. 11N RGE. 10W	TIME CONSTANT	1
DATE	1-29-75	PROBE DIA.	1 11/16"
DEPTH DRILLED	350	CALIPER	-
DEPTH LOGGED	348	DIRECTIONAL SURVEY	-
FOOTAGE LOGGED		TEMPERATURE	-
HOLE DIAMETER	5½"	OPERATOR	D. BRADLEY
WATER FACTOR		DRILLER	FRED
RESISTIVITY	— OHMS/INCH	CONTRACTOR	UNIVERSAL
SELF POTENTIAL	— M.V./IN.	LAST A.E.C. PIT RUN	11-4-74
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	FLUID LEVEL	DRY
BOTTOM	310' / 250'	REMARKS:	Density Log Not run due To tight hole upper 200'
TOP	295'		
TOTAL FEET	15'		
SCALE RUN	5K / ~~5K~~ 10K		

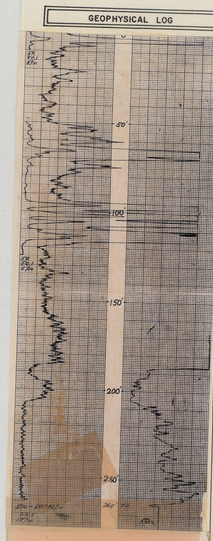


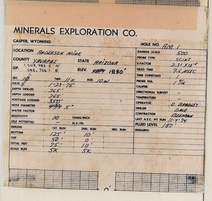
PROJECT Anderson Mine Yavapai Co. **HOLE SIZE** _____ ☑ AIR ☐ WATER **HOLE NO.** AM-1

ELEVATION _____ **NORTH** ARIZONA **EAST** _____ **LOGGED BY** Lyung **DATE** 30 Jan '75

SECTION 10 **TOWNSHIP** 11N **RANGE** 10W **T.D.** 265' **P.D.** _____ '

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

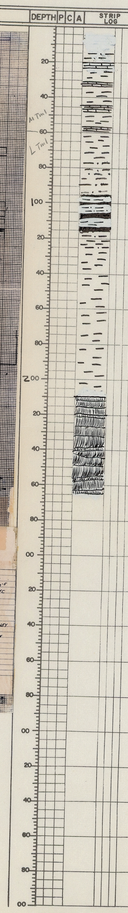



MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE	HOLE NO.	AM 1
		CASING SIZE	EXW
COUNTY	YAVAPAI	PROBE TYPE	SLIM
STATE	ARIZONA	LOCATION	4.5 KM E
SEC.	10	FIELD TIME	3.5 HRS
TWP.	11 N	TIME COMPLETED	
RGE.	10 W	TOTAL DEPTH	265'
ELEV.	ABOUT 1850'	CHART NO.	
DATE	1-30-75	CHART SPEED	5"
DATE LOGGED	2-4-75	DIRECTIONAL SURVEY	-
DATE CASING	2-4-75	TEMPERATURE	
NEUTRON LOGGING	2-4-75	DRILLER	D. BARNETT
HOLE DIAMETER	5 5/8"	LOGGER	
WATER FACTOR		CONTRACTOR	CARL
HOLE CONDITION		MAT. A.S.L. OR MSL	ARIZONA
FIELD POTENTIAL	NO	FLUID LEVEL	2.5' 7.5'
REMARKS		REMARKS	1.5'

	10 NOM	TRAV. RUN	SEC. RUN
NEUTRON	1.25'	.25'	
GAMMA	1.25'	.25'	
TEMP. REF.	2.5'	1.5'	
HOLE DIA.	5.5K	5.5K	



LITHOLOGY LOG

0-15 Stockpiled ORE

15-25 Siltstone : grey, M. green, silicified

25-70 Clay: white bentonite, scattered limestone & chert

70-75 Clay : green

75-95 Siltstone & Clay : Green, silicified

95-115 Siltstone & Clay : Black, about carbon trash, com green & brown siltstone,

115-125 Siltstone, Clay : blue, green

125-150 Siltstone, Clay : green, gry

150-170 Clay : green, gry

170-2 Clay: orng, green, brown

205-210 Red brown volcanic rock frgt.

210-265 Dark brown volcanic rock frgts.

NOTE!

0'-16' Cased

0'-16' Stock piled mineralized rock from past mining.

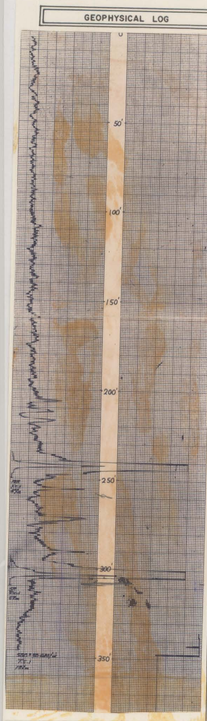
Hammer drilled.

PROJECT Anderson Mine Yavapai Co. HOLE SIZE ____ ☑ AIR ☐ WATER HOLE NO. AM-10

ELEVATION ____ NORTH ARIZONA EAST ____ LOGGED BY Lyng DATE 29 Jan 76

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

GEOPHYSICAL LOG



MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	Anderson Mine	HOLE NO.	AM-10
COUNTY	Yavapai	STATE	Arizona
SP.		ELEV.	1939'
DR.		DATE	1-29-76
DATE	1-29-76	RUN NO.	One
DEPTH DRILLER	350'		
DEPTH LOGGER	348'		
BTM. LOG INTERV.			
PRIM. DENSITOMETER	5.5"		
MAXIM. TEMPER.			
MAGNETICS			
MED. RESISTIVITY			
FLUID	LT. WTR	DN. DRY	MD. MUD
WATER	200'	220'	
TW	215'		
TOTAL REC.	15'		
MAX. REC.	5.5"	BTM. LOG	

DRILLING BEGAN	1976
DRILL TIME	20 hrs
EXPOSURE	2.5 days
MUD TYPE	Gelchem
MUD CONDITION	
DRILL DIA.	7 7/8"
DRILL TYPE	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	J. Stewart
DRILLER	Jack
DRILLING CONTRACTOR	Anderson
CAT. ELEV. TO MSL	1939.75'
FLOWS LEVEL	Dry
REMARKS	
	Samples taken 50'-350'
	Sec. 9, Twp. 11N, R10W

DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0					0-20 Siltstone & Clay: brown, siltstone is silicified, clay is limy
20					20-30 Clay: olive green
40					30-60 SS, Siltstone, Clay: f-mc grain SS: brown, qtzose, round, com muscov. mica, com or fe stg, com dark rock grns. Siltstone & clay: olive green, brown
60					60-100 SS, Siltstone, Clay: brown SS: same as above interval
80					
100					100-120 Clay: olive green, trace hematite stain
20					120-200 Siltstone & Clay: lt. brown limy 165'-180'
40					
60					
80					
200					200-205 Clay: green, wh bentonitic
20					205-220 Limestone: wh chert: dark brown, red
40					220-295 Siltstone & Clay: olive green, trace green 245' silicified, com hem. blebs 250'-270' Com wh bentonitic clay 270'-290' Silicified, tr pink siltstn @ 280'
60					
80					
300					295-310 Siltstone & Clay: rarigated red brn, olive green
20					310-350 Volcanic Rock fragments: or red brn, dark red brown
40					
60					
80					
400					
20					
40					
60					
80					
500					

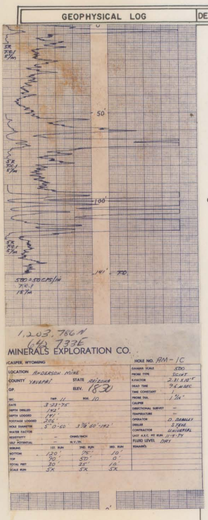
Note! Samples collected 50'-350'

PROJECT Anderson Mine Yavapai Co. HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 1C

ELEVATION ____ NORTH Ariz. EAST ____ LOGGED BY Ljung DATE 23 March 1976

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

GEOPHYSICAL LOG



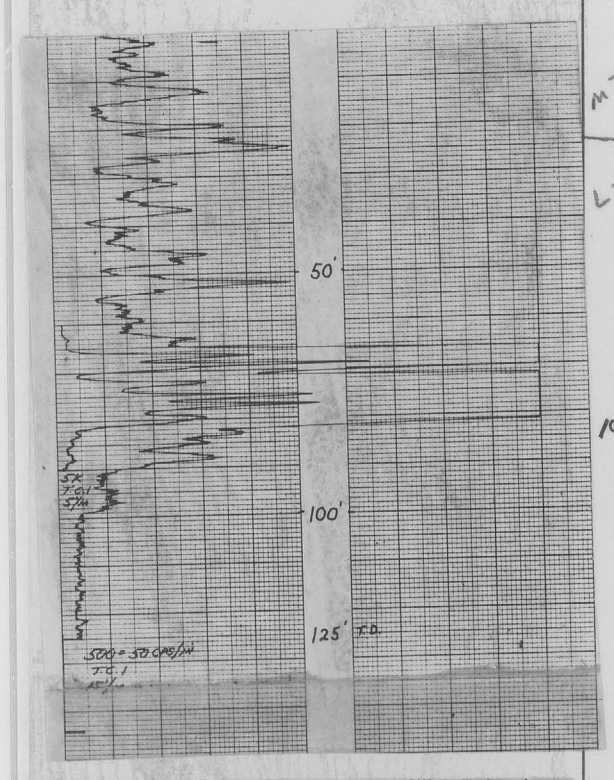
DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0					0-10 Siltstone: silicified, olive, tan, very hard, orange, limy
10					10-15 Clay: olive, white, limy
15					15-30 Siltstone: silicified, olive, limy clay: olive, white, limy
30					30-50 Limestone: white Clay: white, olive @ 40-45'
50					50-60 Limestone: white w/ abnt red chert 50'-55' pink w/ scttd red chert & green silt 55-60'
60					START CORING @ 60½' offset AM-1 approx. 10' north Dry hole - no flush
60					60½-65: Siltstone: grey, silicified, very hard w/ scattered yellow green unsilicified clay stringers ± ¼" from 60½-61½ Scattered red hematite stain becoming common 64'-65'. limy 64½-66' 62½': 1" white bentonite 64½': yellow U_3O_8 mineral coating fracture
65					65-69: Grey, limy clays & siltstones, possibly tuffaceous; no silicification; soft & mdhd; no apparent bedding; possible remnants of borrowing. And in some instances replaced w/ silica. Anomalous zone on scintillometer 65½: 3" shear zone w/ slickensides 66½ & 67½: yellow U_3O_8 mineral ~~blebs~~
70					69-73 Limestone: Pink, shot through w/ red chert, brown; zone contains one 6" long fracture; very hard; green; mottled w/ hematite stain 72½': 3" stained w/ yellow, orange, and red hematite (limonite) AUTOPSY gradational contact 73→74'
75					73-83 Siltstone: olive green; abnt ~~hematite~~ & limonite stain; varying degrees of silicification from none to very hard; fractured (filled w/ calcite 75-75)
80					83-83½ Limestone: buff; very ~~hard~~ hard; com limonite stain; fractured; com shells ~~[illegible]~~ replaced w/ silica
85					83½-85 Siltstone: brown; ~~hard & calcited~~; com or limonite stain; scattered carbonaceous material; fractured; varying degrees of silicification from hard to soft.
					85-85½ Limestone: pink; com red chert; fractures filled w/ silica; hard
					85½-87 Siltstone: calcite cemented; bedded; com carbon material; hard
					87-90 Siltstones & Clays or possibly leached limestone; no bedding; soft to mdhd; fractured; green, pink; com hematite & limonite stain.
90					90-93 Clay: green; soft; limy; uncemented; scattered limonite stain in layers parallel to bedding plane.
95					93-94 Siltstone: brown, grey; soft; scattered limonite stained layers parallel to bedding.
					94-95 Siltstone: brown, limy, medium soft, green stain on fractures surface. Pok marked where shells leached from rock. Shells present @ 95'. Interval appear leached.
100					95-97 Lignite & limy, interbedded w/ siltstn, soft
					97-97½ Siltstone: brown, limy, lignite layers, pok marked, leached
					97½-100 Silts & Muds: limy, consolidated, common shells, carbonaceous layers, interbedded lignite up to 6" thick.
105					100-104 Siltstone: brown, limy, fractured, soft, may be leached ~ limstn Limestone: brown, hard, common shells, scattered carbon mtrl
					104-105½ Lignite; limy, interbedded brown limstone up to 6" thick.
110					105½-111½ Clay & Silts: green, brown, mottled w/ carbon trash, limy, soft 110: shells common
					111½-113½ Lignitic Siltstones
					113½-124'6" Siltstones: blk & green, limy, com carbon trash
					124'6"-140' Siltstns & mudstns green

XXX

PROJECT Anderson Mine Yavapai Co. HOLE SIZE _____ ☒ AIR ☐ WATER HOLE NO. AM-2

ELEVATION _____ NORTH ARIZONA EAST _____ LOGGED BY Ljung DATE 24 Jan '75

SECTION 10/11 TOWNSHIP 11N RANGE 10W T.D. 125' 7 hrs. P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						5-15 Siltstone & Clay: yellow green, silicified
	20					15-20 Clay: white bentonite, tr. black mineral
						20-25 Chert: orange, rare black mineral
	M Tool					25-35 Siltstone & Clay: yel green, trace Fe stain, rare wh limstone, silicified, com silica veinlets.
	40					
	L Tool					35-40 Siltstone: grey green, yel green, pink
						40-45 " : green, brown, silicified
	60					45-55 " : yellow green, pink, silicified.
						55-60 " : brown, green, trace yel mineral silicified
	80					60-65 " : yel green, silicified
						65-70 " : orange, ppl, green, red brown
	100					70-80 Siltstone: black, scatred green yellow mineral.
						80-85 " : blue gry
						85-95 " : blue gry, yell green
	20					95-125 Dark brown volcanic rock fragts.
	40					
	60					
	80					NOTE! Samples 0'-125' collected Rotary Air drilled AM-2 contained more hard stringers than AM-1
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING

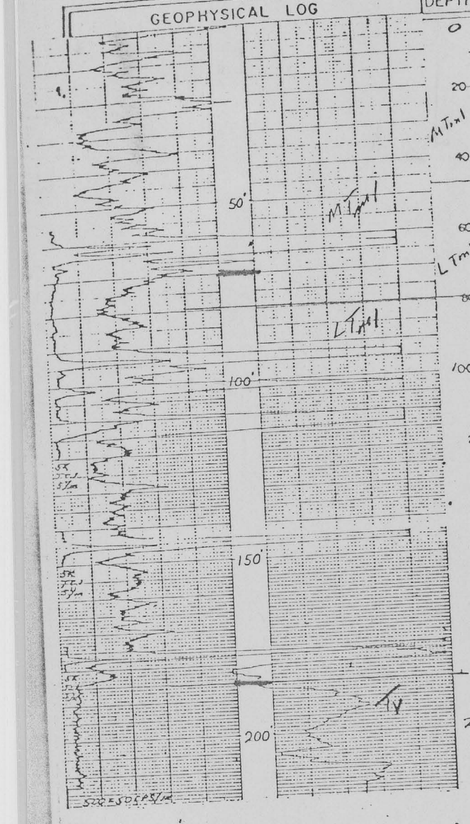
LOCATION ANDERSON MINE		HOLE NO. AM-2	
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500
GP. 1,204,191.6 N 642,758.7 E	ELEV. 1818'	PROBE TYPE	SCINT
SEC. 10	TWP. 11N RGE. 10W	K-FACTOR	2.31 X10-5
DATE	1-24-74	DEAD TIME	2.6 USEC
DEPTH DRILLED	125	TIME CONSTANT	1
DEPTH LOGGED	127	PROBE DIA.	1 3/16"
FOOTAGE LOGGED	157'	CALIPER	
HOLE DIAMETER	4 7/8"	DIRECTIONAL SURVEY	–
WATER FACTOR		TEMPERATURE	–
RESISTIVITY	– OHMS/INCH	OPERATOR	D. BRADLEY
SELF POTENTIAL	– M.V./IN.	DRILLER	DAVE
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	CONTRACTOR	BEEMAN
BOTTOM	90'	LAST A.E.C. PIT RUN	1-4-74
TOP	60'	FLUID LEVEL	DRY
TOTAL FEET	30'	REMARKS:	
SCALE RUN	5K		

PROJECT Anderson Mine Yavapai Co. ARIZONA — HOLE SIZE ____ ☑ AIR ☐ WATER — HOLE NO. [illegible]

ELEVATION ____ — NORTH ____ — EAST ____ — LOGGED BY Ling — DATE 25 Jan '75

SECTION 10/11 — TOWNSHIP 11N — RANGE 10W — T.D. 215' — P.D. ____

GEOPHYSICAL LOG



MINERALS EXPLORATION CO.

CASTLE, WYOMING — HOLE NO. AM-3

LOCATION	ANDERSON MINE
COUNTY	YAVAPAI — STATE ARIZONA
GP.	1-25-75 — ELEV. 1848'
SEC. 10	TWP. 11N — RGE. 10W
DATE	1-25-75
DEPTH DRILLED	215'
DEPTH LOGGED	215'
FOOTAGE LOGGED	297'
HOLE DIAMETER	5"
WATER FACTOR	.1152
RESISTIVITY	10 — CHAMBER
SELF POTENTIAL	— — M.V./FM

	1ST RUN	2ND RUN	3RD RUN
BEGINNING			
BOTTOM	180'	150'	120'
TOP	172'	140'	55'
TOTAL FEET	9'	10'	65'
SCALE RUN	5K	5K	5K

GAMMA SCALE	500
PROBE TYPE	SC1N3
K FACTOR	7.31 x 10⁻⁵
DEAD TIME	9.6 μsec
TIME CONSTANT	1
PROBE DIA.	1¾"
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	D. BERGLEY
DRILLER	CARR
CONTRACTOR	BELMAR
LAST A.E.C. PT RUN	11-4-74
FLUID LEVEL	180'
REMARKS	—

DEPTH	P	C	A	STRIP LOG
0				
20				
40				
60				
80				
100				
20				
40				
60				
80				
200				
20				
40				
60				
80				
00				
20				
40				
60				
80				
00				
20				
40				
60				
80				

LITHOLOGY LOG

0-15 Siltstone & Clay : yel green, silicified wh bentonite clay @ 10'
15-20 Siltstone : pink, yell green
20-25 Chert : pnk, orange, com clear silica ve
25-35 Siltstone : yellow green, silica cemented
35-45 Siltstone : yel green, pink, trace yel min silicified @ 40'
45-50 Siltstone : olive green, silicified
50-60 Siltstone & clay : olive green red brown, orange, silicified, limy
60-65 Siltstone : olive green, silicified
65-75 Siltstone : olive green, orange, silicified abnt chalcedony, limy
75-80 Siltstone : grey, limy
80-85 Clay : blue grey, green, limy
85-115 Siltstone & Clay : black, brown, limy, Hydrocar odor w/ HCl, scattered brown c
115-120 Clay : blue grey
120-125 Siltstone & Clay : pink, blue green, green
125-130 Siltstone : buff, red brown, silicf
130-135 Clay : lt. green, trace yel-or min. silica ce
135-180 Clay : yellow green,
180-185 SS : grey to white, med grain, qtz oss
185-215 Basalt dark brown, com or irr blebs, com clear qtz and $CaCO_3$ amygdule chip

T.D. = 215'

Note!
Samples collected 80'-160'
Rotary drilled 0'-50'
50'-T.D. Hammer drilled
Set 3' of casing
Caliper tool = 1st suc ful run.

0-45 Middle Tml
45-160 Lower Tml