PROJECT Anderson Mine HOLE SIZE 5⅝ ☐ AIR ☐ WATER HOLE NO. AM-178

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY G. M DATE Jan 28-76

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 610' P.D. ____

Form D 170'

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0 → 130					Cngl: Tan → Brn → Grey, Volcanic frags in sand and bentonitic mudstone matrix.
	130 → 220					Siltstone: lt Brn → Buff, some sand size particles (10 → 20%) variable, 10% muscovite, tr. biotite, tr. chlorite & sericite cmtd in silicic
	220 → 240					Mudstone: Olive green → grey green bentonitic, some sand in samples. (10% ±) variable, some chert (white → green), muscovite 5% ±, tr of humic carbon in discreet stringers.
	240 → 315					siltstone/mudstone: greenbrn → olive green mostly siltstone w/some mudstone stringers some carbon in the siltstone as stringers
	315 → 340					clayey white → red mudstone: Olive green, bentonitic some sand, some chert, red yellow, white.
	340 → 500					Limestone / mudstone: (marl), white → green white, , olive, red & white limestone beds alternate w/ mudstone beds, mudstones primarily a pretty good grade of bentonite. some siltstone showed in samples @ 450 & 460', may be separate beds or may be uphole contamination. Also 450 → 500' is gradation into lower mudstone @ 500' some carbonaceous material randomly distributed in strings (uphole contamination)
	500 → 580					mudstone: green → red → yellow, bentonitic, becomes very silty in bottom of section
	580 → TD					Base ment. siltstone, tr frags in ss, some mica
	TD 610					

AM 178 1/2

AM 178 P 2/2

K Factor 3.14 x 10-5

INERALS EXPLORATION CO.
INSB Tune T13 G56E

HOLE NO.	AM-178
LOGGING TIME	12:40
RECORDING TIME	12:40
LOCATION	
ROD TYPE	
ROD DIAMETER	
HOLE NO.	
LOGGED BY	
WITNESSED BY	
OPERATOR	
UNIT	
CASE	
REMARKS	

COMPANY	ANDERSON MINE
STATE	ARIZONA
FIELD	
COUNTY	
WELL	
LOCATION	
SERVICE CO.	
RUN NO.	ONE
DATE	1-28-76
TYPE LOG	GAMMA
DEPTH-DRILLER	610
BTM. LOG INTERVAL	610
TOP LOG INTERVAL	SURFACE
CASING-DRILLER	170
CASING-LOGGER	170
BIT SIZE	5⅝
TYPE FLUID IN HOLE	AIR
DENS.	
VISC.	
PH	
FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE RMF	RMC
RM @ BHT	
TIME SINCE CIRC.	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

PROJECT Anderson Mine — HOLE SIZE ____ ☐ AIR ☒ WATER — HOLE NO. AM-179

ELEVATION ____ — NORTH ____ — EAST ____ — LOGGED BY DBD — DATE 1-28-76

SECTION ____ — TOWNSHIP 11N — RANGE 10W — T.D. 700 — P.D. ____

X foam

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					0-85 violet grn brn conglomerate ; common volcanic frags ; calcite cemented.
	85					85-95 blk grn volcanics
	95					95-250 lt. brn conglomerate ; common granitic material; common med brn siltsto material ; common calcite cement
	250					250 - 460 lt. brn grn conglomerate ; common granitic material; fr-med rnds sand brn siltsto material ; composition is similar to interval 95-250
	460					460-550 interbedded med brn cg-vcg gtz sand (composition similar to interval 95-250) and med brn siltsto. Very monotonous section.
	550					550-580 brn grn siltsto
	580					580-780 white to v clear ; occasn brn clast ; common white bentonite.
	780					780-785 blk lignitic shale - occn silicified; common white brn clast.
	785					785-810 blue grn siltsto.
	810					810-615 olive grn siltsto ; common cg gtz material - common limonite stn.
	615					615-620 med brn calc. siltsto.
	620					620-630 blue grn calc carbonaceous mudstn; common blk carbonaceous (lignitic) shale.
	630					630-645 blue grn carbonaceous, calc. siltsto.
	645					645-660 blue grn carbonaceous, calc. siltsto; common blk lignitic shale.
	660					660-700 pink brn calc. siltsto; urethanal volcanic material BASEMENT.
	682					682 - T.D.
	700					700 - T.D.

NOTE : Lack of sand in lower section.

AM 179 1/2

AM 179 2/2

K ENERGY 2.14 X 10-5
VERALS EXPLORATION CO.
Dead time 17.8 usec
N. WYOMING

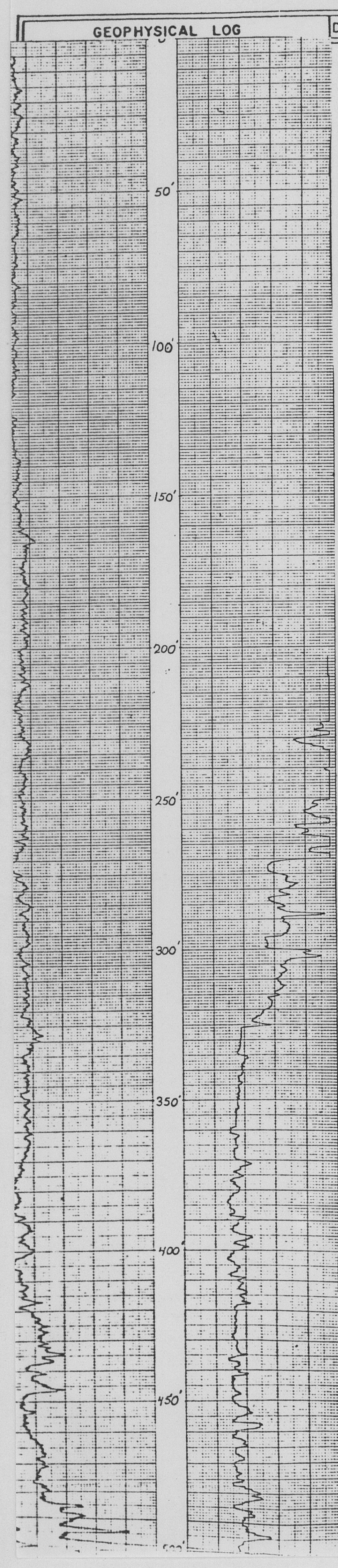
HOLE NO.	AM-179
TYPE	FLINT
FUNCTION	MONITORING
FREQ. TYPE	SUBMERSIBLE
DATE & TIME	1-28-76
COUNTY	—
ADDITIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	D. DRAGET
DRILLER	S.CRAIG
CONTRACTOR	BLM
MAY 2.5 YR MAX. ZONE	—
FLUID LEVEL	DRY
REMARKS	

PROJECT *Anderson Mine* HOLE SIZE ____ ☒ AIR ☒ WATER **HOLE NO.** *AM-180*

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY *TSH* DATE *1-28-76*

SECTION ____ TOWNSHIP *11N* RANGE *10W* T.D. *760'* P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



0-115 Congl., buff to rd. buff, w/ fn. to v. crse basic vol. rk frag. & r. silicic rk fragments.

115-130 Basalt, blk

130'-185 ss, pnk to buff, fn-crse grn subangular, c. lm stn, r. vol. rk frag

185-200' Coarse gravel, buff-Congl w/ rk frag up to 3/4".

200'-265' ss, buff, med-crse grn, subangular to subrounded, c. lm stn, becoming silty w/ depth

265-350' sltstn, buff to gry-buff, v. sandy

AM 180 P 1/2

350'-380 sltstn & mdstn, interbed., gry-grn to grn-buff

380-400 mdstn, v. pale grn w/ r. drk grn chert, v. calcareous

400-425 ls, cream w/ c. interbed pale grn mdstn, c. chert

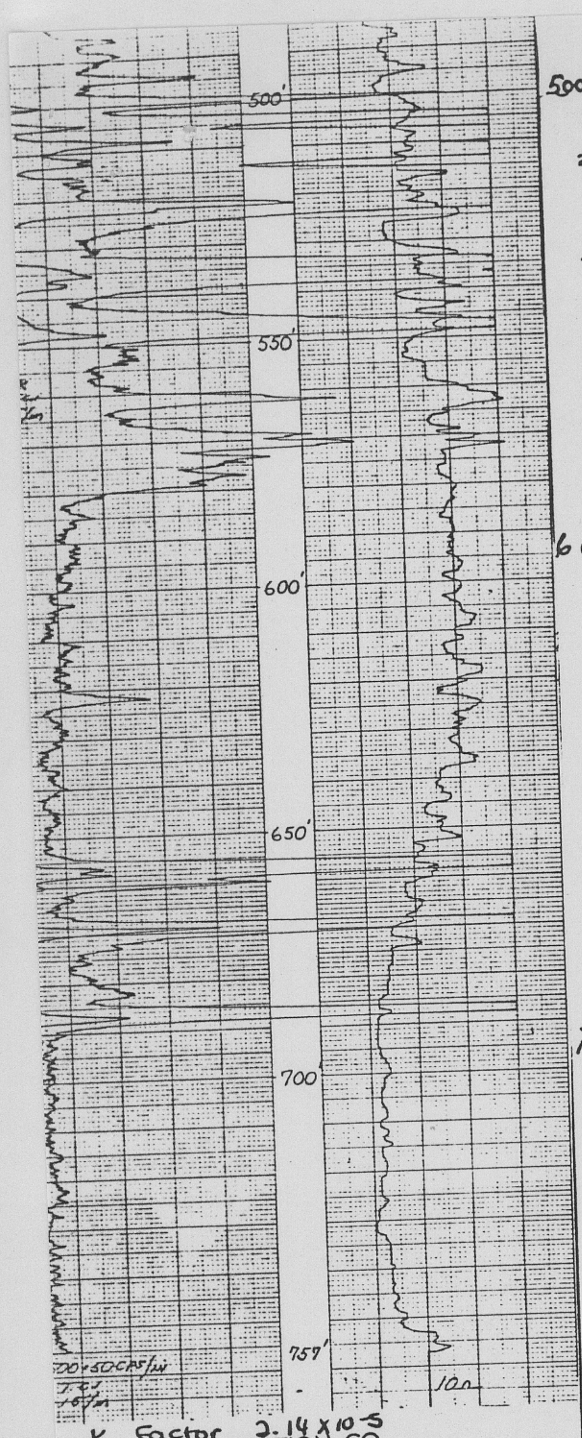
425'-445' mdstn, olive-grn, v. calcareous

445'-460 ls, cream w/ c. interbed olive mdstn

460-485 mdstn, olive-grn v. calcareous c. chert, slightly silicified

485-530 mdstn gry grn & interbed cream ls, n silicified mdstn

485-530 mdstn gry grn & interbed cream ls, n silicified mdstn



530-535 mdstn, blue grn, v. bentonitic, calcareous

535-555 sh, blk, v. carbonaceous, calcareous

555-560 mdstn, blue-grn, v. bentonitic, calcareous

560-580 mdstn as above w/ c. interbed lignite & carbonaceous mdstn, v. calcareous becoming v. silty @ base

580-590 sltstn, yellow-buff, v. sandy

590-610 sltstn, buff w/ r.-c. interbed buff, med grn, ss, angular, c. lm stn

610-655, ss, buff, med-crse grn, angular, c.-abund. lm stn, tr. rd. vol. rk. frag. ALTERED?

655-680 ss as above w/ r. interbed buff sltstn, slightly calcareous ALTERED?

680-690 sltstn & ss as above

690-700 ss, as above w/ c. interbed. lignite & mdstn (contamination?) ALTERED?

700-715 ss, buff, med-crse grn, angular, c.-abund lm stn, r. rd vol. rk frag. ALTERED?

715-725 sltstn, buff w/ c. interbed ss, as above

725-760 "Aglomerate," ab rd, abund rd & blk vol. rk. frag.

Basement

760' T.D.

K Factor 2.14 x 10-5

MINERALS EXPLORATION CO.

Dead Time 17.3 USEC

CASPER, WYOMING

LOCATION *Anderson Mine*

COUNTY *Yavapai* STATE *Arizona*

1,201,605 N ELEV. *2060'*

691,200 E

TWP. *11N* RGE. *10W*

DATE *1-28-76*

DEPTH DRILLED *760'*

DEPTH LOGGED *757'*

FOOTAGE LOGGED *862'*

HOLE DIAMETER *5 7/8*

WATER FACTOR *(5 7/8) = 1.177*

RESISTIVITY *2* OHMS/INCH

SELF POTENTIAL *—* M.V./IN.

RUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	690'	555'	
TOP	650'	490'	
TOTAL FEET	40'	65'	
SCALE RUN	5K	5K	

HOLE NO. / GAMMA SCALE / PROBE TYPE / K-FACTOR / DEAD TIME / TIME CONSTANT / PROBE DIA. / CALIPER / DIRECTIONAL / TEMPERATURE / OPERATOR / DRILLER / CONTRACTOR / LAST A.E.C. / FLUID LEVEL / REMARKS:

AM 180 2/2