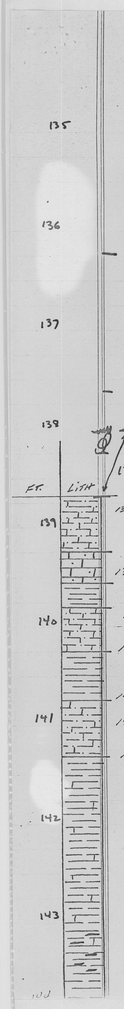


136' 4" – 137' 9" olive grn lvy sand (sandy ls?) w/ red brn qtz frags as plane units

137' 9" – 138' 8 pink silicified ls w/ red qtzt.

138" 8 – 138' 7 olive grn mudstn w/ red brn qtzt frags.

138' 7" – 139' 3" SLTSTN: Pink; $CaCO_3$ cement; red hem. stning. com. Mn dendrites.

139' 3" – 139" 7" LIMESTN: Lt Gy Grn; silty; local stringers hem stn; molds of gastropod shells; local Mn stning.

139' 7" – 139' 10" MUDSTN: Lt. olive grn; strong hem stning; minor Mn stning.

139' 10" – 140' 3" SLTSTN: Lt Gy Pink; local strong hem. stns; minor Mn dendrites; few gastropod molds. well lithified w/ $CaCO_3$ cement.

140' 3" – 140' 9" MUDSTN: Brnish grn; minor red hem. stn.

140' 9" – 141' 4" SLTSTN: Lt red brn; $CaCO_3$ cement; minor hem, Mn stning.

141' 4" – 144' 2" MUDSTN: Lt Gy Grn – Lt Pink; weakly cemented with $CaCO_3$; locally silty; local zones hem stn; rare blk carbonaceous matter.

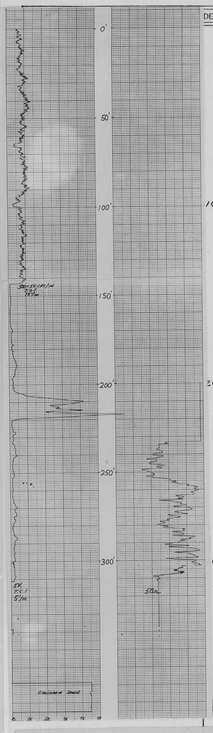
AM 13C

FT.	LITH.	DESCRIPTION
144		144'2"–144'8" MUDSTN: BRN–MAROON; FINELY LAMINATED, HEM STN; STRONG HEM STN @ 144'7"–144'8"
		144'8"–145'11" LIMESTN: LT PINKISH GY–WHITE; V. MINOR HEM STRINGS; SILICIFIED GASTROPOD SHELLS; LOCALLY SILTY; MINOR MN STN.
145		
146		145'11"–146'6" SLTSTN: LT GY GRN; STRONG HEM STNING APPARENTLY // TO STRATIFICATION.
		146'6"–147'3" SLTSTN: BUFF; STRONGLY CEMENTED WITH CaCO3; STRONG HEM, MN STNS.
147		147'3"–147'4" CHERT: RED BRN.
		147'4"–149'2" LIMESTN: LT BRN–WHITE; STRINGERS RED BRN–GY CHERT; LOCAL STRONG HEM/MN STN.
148		
149		149'2"–149'9" SLTSTN: LT GRN–OFF WHITE; OR TO RED HEM/LIM STN // STRATIFICATION
		END OF CORE
150		
151		
152		

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☐ WATER HOLE NO. AM-14

ELEVATION NORTH EAST LOGGED BY TJH DATE 2-8-75

SECTION 11 TOWNSHIP 11N RANGE 10W T.D. 405 P.D. 315



DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0					0-10' Congl, buff, c. rk frag, sand & clay
20					10'-25' ss, lt buff, fn-crse grn, subangular, p-p sorting, 3/4's felds, lithic, c fm stn
40					25'-35' silty ss & sndy siltstn, buff, w/ interb congl
60					35-50 claystone & siltstn, olive-grn, & red
80					50-55 claystone, buff, t-r. calcite cement 55-80 claystone, buff 80-90 Claystn & siltstn, olive-buff, t-r calcite cement & carbon. mat.
100					90-115 claystn, w/h & r olive @ top, abundant calcite cement
120					115'-150' ss & congl, buff, subrounded-subangular, p-p sort, fn-v crse grn, 3/4's felds, lithic, tgvolc?, rk frag?, c-r fm stn, micas, t. Calcite cement, & interbed. olive, red-buff, & buff siltstns & claystones
140					150-160 claystone, olive, abund-c. calcite cement
160					160-170 claystone, wh, abund calcite cement
180					170-180 claystone olive, w/interbd. grn-gra ls
200					180-185 as immed. above 185-195 claystn & siltstn, blue-grn, & olive @ top
220					195-205 claysta, wh, blue-grn, & olive, v.thin reef @ btm 205-220 lignite, blc w/ interbed wh claystn & c-abund calcite cement @ btm, & carbonaceous ls
240					220-225 claystn, wh, w/ c. interbed calcite cement lignite & carbonaceous ls 225-240 siltsto & claysta, grg-gra slightly calcareous fn-m carbonaceous matl. interbed ls, wh & lt gray
260					240-250 Claysta & siltstn, buff & red 250-265 siltsta, olive-buff
280					265-270 siltsta, buff w/ interb. buff ss, med grn, subangular, 3/4's, felds, micas, t. lm stn, r. red clay
300					270- Fluid level, samples v. difficult to interpret siltsta sclysta, buff ?
320					305-345 siltstn, blue grn, to blc carbonaceous matl. (samples difficult to interpret) slightly calcareous, v. sandy zones
340					345- siltsta, blue-grn, buff, & red (interbd beds?) w/ v. sandy zones (contamination?), slightly calcareous
360					
380					
400					T.D. (Great difficulty in clearing out hole bentonite shales & siltsts swelling & bridging hole)

MINERALS EXPLORATION CO.

CASPER, WYOMING	HOLE NO. AM-14
LOCATION Anderson Mine	CASING SIZE 5K
COUNTY Yavapai STATE Arizona	DRILL SIZE 5 1/2"
1/4 1/4 SEC. 11 TWP. 11N RGE. 10W	FLOCCULANT [redacted]
ELEV. 1503'	DRILL TYPE Rotary
	MUD COMPANY [redacted]
DEL. LD. 2-7-75 MIN. HOLE	MUD WT. 9.4
DATE DRILLED 2-8-75	CAKE [redacted]
DEPTH DRILLED 405'	DIRECTIONAL SURVEY —
DEPTH CASED 5'3"	TEMPERATURE —
FOOTAGE CASED 5'3"	OPERATOR T. Johnson
WATER DEPTH 250	DRILLER Arizona Drilling
WATER SHUT-OFF 270	CONTRACTOR Arizona
ACCURACY —	LAST ALL. PE RUN 10-9-74
SEC POTENTIAL — OHMS/INCH	PLUGS SET 225'
LOGGED 1ST RUN 2ND RUN 3RD RUN	REMARKS
TOP	
BOTTOM	
TOTAL DEP	
FLUID RUN	