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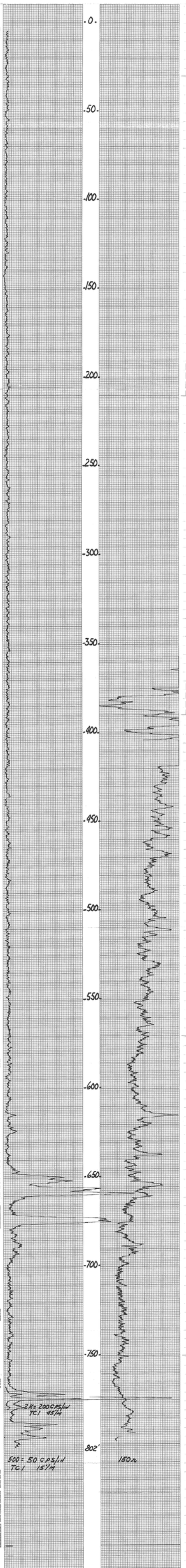
MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 361
LOCATION ANDERSEN MINE		GAMMA SCALE	500+50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT.
GP. ~~1205 SEC. 610 ELEV.~~ 1203 SEC. 610 ELEV. 2033		K-FACTOR	5.70x10-5
		DEAD TIME	7.14m
		TIME CONSTANT	1
SEC.	TWP. RGE.	PROBE DIA.	1 5/8
DATE	2-2-77	CALIPER	
DEPTH DRILLED	800	DIRECTIONAL SURVEY	
DEPTH LOGGED	802	TEMPERATURE	
FOOTAGE LOGGED	815	OPERATOR	RETTERLING
HOLE DIAMETER	5 5/8	DRILLER	JIM
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	150 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

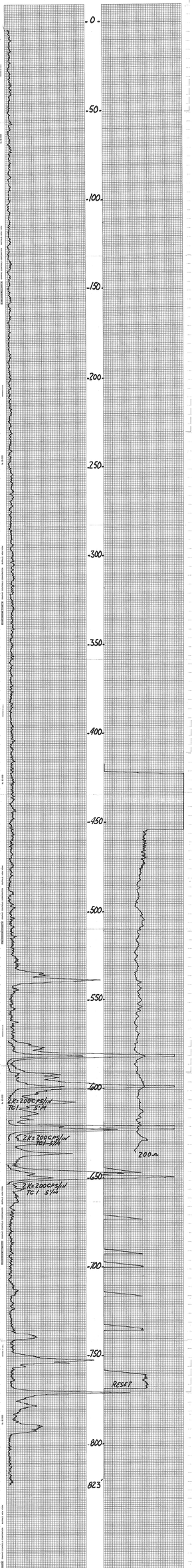
REBUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	780			
TOP	767			
TOTAL FEET	13			
SCALE RUN	2K=200CPS/IN			



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 362
LOCATION	ANDERSON MINE	GAMMA SCALE	500±50CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT.
GP.	~~SAPTIN-GHIRTEYE~~ ~~ELEV. 2061~~	K-FACTOR	5.70×10.5
		DEAD TIME	7.14 m
SEC.	TWP. RGE.	TIME CONSTANT	1
DATE	2-3-77	PROBE DIA.	1 5/8
DEPTH DRILLED	840	CALIPER	
DEPTH LOGGED	823	DIRECTIONAL SURVEY	
FOOTAGE LOGGED	877	TEMPERATURE	
HOLE DIAMETER	5 5/8	OPERATOR	KETTERLING
WATER FACTOR	1.22	DRILLER	JIM
RESISTIVITY	200 OHMS/INCH	CONTRACTOR	UNIVERSAL
SELF POTENTIAL	M.V./IN.	LAST A.E.C. PIT RUN	
		FLUID LEVEL	
REMARKS		REMARKS:	

	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	653	629	604
TOP	642	617	573
TOTAL FEET	11	12	31
SCALE RUN	2K=200CPS/IN	2K=200CPS/IN	2K=200CPS/IN

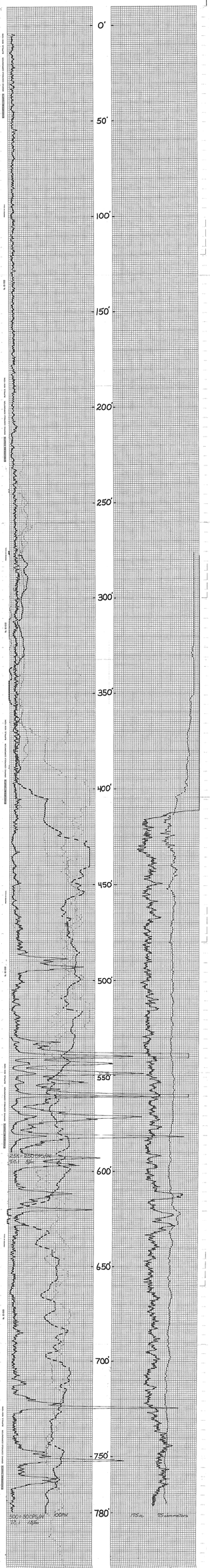


MINERALS EXPLORATION CO.

CASPER, WYOMING — **HOLE NO.** AM-363

LOCATION	ANDERSON MINE	**GAMMA SCALE**	500 x 50 CPS/IN.
COUNTY	Navapai **STATE** ARIZ.	**PROBE TYPE**	Scott
GP.	1204787 N 1204 N 0 2E **ELEV.** 2041	**K-FACTOR**	5.7 10^{-6}
		DEAD TIME	7.1 μ sec.
		TIME CONSTANT	1
SEC.	**TWP.** **RGE.**	**PROBE DIA.**	1 5/8"
DATE	12/18/77	**CALIPER**	
DEPTH DRILLED	780'	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	780'	**TEMPERATURE**	
FOOTAGE LOGGED	850'	**OPERATOR**	Hudson
HOLE DIAMETER	5 3/8" to 780'	**DRILLER**	Jim
WATER FACTOR		**CONTRACTOR**	Roberts
RESISTIVITY	175 OHMS/MIN 75 ohm meters	**LAST A.E.C. PIT RUN**	
SELF POTENTIAL	100 M.V.	**FLUID LEVEL**	

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**	**REMARKS:**
BOTTOM	590'			
TOP	530'			
TOTAL FEET	60'			
SCALE RUN	2.5K-250CPS/IN			



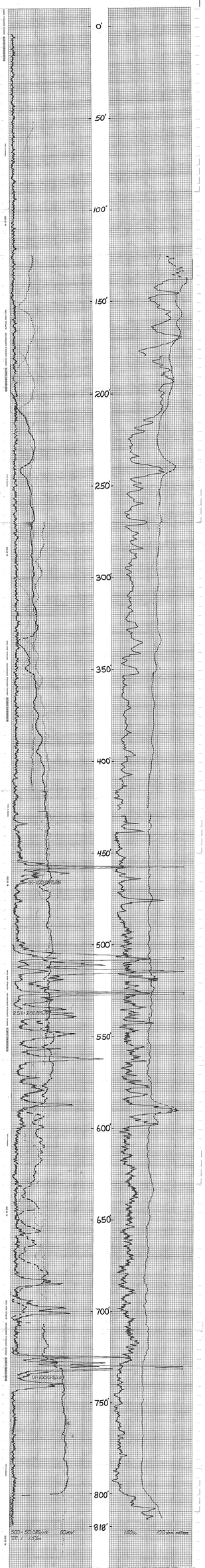
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-364

LOCATION	ANDERSON MINE	GAMMA SCALE	500-500CPS/IN.
COUNTY	Yavapai	PROBE TYPE	Scintil
STATE	Ariz.	K.FACTOR	5.7 m^-1
GP.	~~1200 COLON CHOCOLATE~~	DEAD TIME	7.19 μsec.
ELEV.	2029	TIME CONSTANT	1
SEC.	1204 466.58 N 88 126.925 TWP. RGE.	PROBE DIA.	1/4"
DATE	2/18/77	CALIPER	
DEPTH DRILLED	820'	DIRECTIONAL SURVEY	
DEPTH LOGGED	630' 818'	TEMPERATURE	
FOOTAGE LOGGED	675'	OPERATOR	Hudson
HOLE DIAMETER	5 3/8" to 760'	DRILLER	Jim
WATER FACTOR		CONTRACTOR	Roberts
RESISTIVITY	OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS
BEDDING				
BOTTOM	535'	465'	735'	
TOP	500'	455'	720'	
TOTAL FEET	35'	10'	15'	
SCALE RUN	250 CPS/IN.	1K-100 CPS/IN.	1K-100 CPS/IN.	



MINERALS EXPLORATION CO.

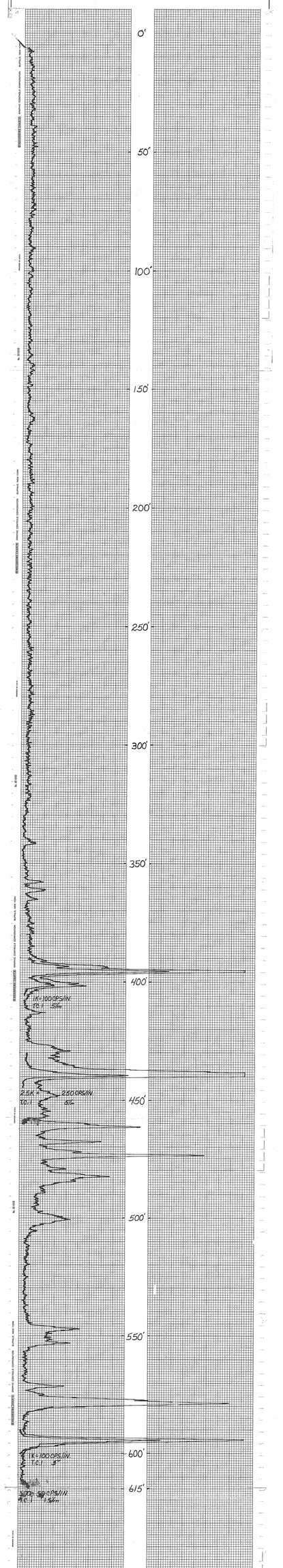
CASPER, WYOMING

HOLE NO. AM-365

LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS/IN.
COUNTY	Yavapai STATE ARIZ.	PROBE TYPE	SCINT.
GP. ~~1202,414.6N-641,002.3E~~ 1204822.98N	ELEV. 1970	K-FACTOR	$57^{10^{-5}}$
SEC. 87329.28E	TWP. RGE.	DEAD TIME	714 μ sec
DATE	1-4-77	TIME CONSTANT	1
DEPTH DRILLED	620'	PROBE DIA.	1⅝"
DEPTH LOGGED	655'	CALIPER	
FOOTAGE LOGGED	615'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5⅝" TO 620'	TEMPERATURE	
WATER FACTOR		OPERATOR	Hudson
RESISTIVITY	OHMS/INCH	DRILLER	Sharpe
SELF POTENTIAL	M.V./IN.	CONTRACTOR	Roberts
		LAST A.E.C. PIT RUN	
		FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	600'	445'	405'
TOP	590'	430'	390'
TOTAL FEET	10'	15'	15'
SCALE RUN	1K=100CPS/IN.	2.5K=250CPS/IN.	1K=100CPS/IN.

REMARKS:

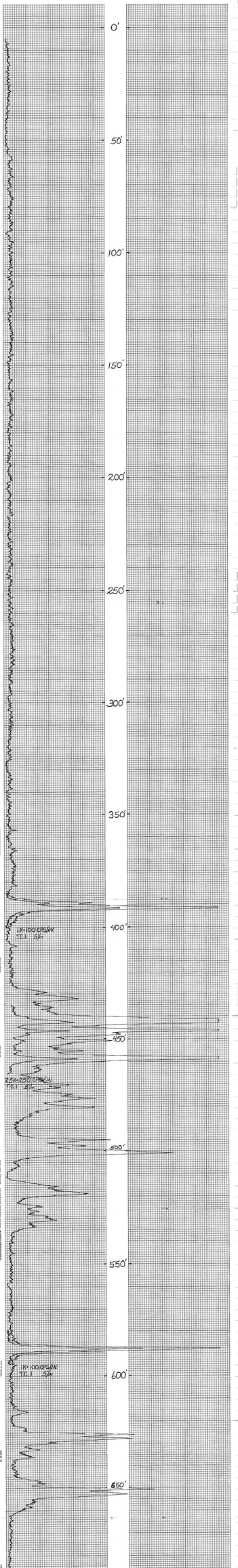


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-366

LOCATION	ANDERSON MINE	GAMMA SCALE	500±50CPS/IN.
COUNTY	Yavapai STATE ARIZ.	PROBE TYPE	Scint.
GP.	~~1202, 202 RN 641, 167.8~~ 1204.607.03N ELEV. 1961	K-FACTOR	5.7 10^-5
SEC.	87 491.42E TWP. RGE.	DEAD TIME	7.14 μ sec.
DATE	1-6-77	TIME CONSTANT	1
DEPTH DRILLED	700'	PROBE DIA.	1⅝"
DEPTH LOGGED	696'	CALIPER	
FOOTAGE LOGGED	756'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5⅝" TO 6⅝'	TEMPERATURE	
WATER FACTOR		OPERATOR	Hudson
RESISTIVITY	OHMS/INCH	DRILLER	Sharpe
SELF POTENTIAL	M.V./IN.	CONTRACTOR	Roberts
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	595' / 465' / 400'	FLUID LEVEL	
TOP	580' / 435' / 385'	REMARKS:	
TOTAL FEET	15' / 30' / 15'		
SCALE RUN	1K=100CPS/IN. / 25K=250CPS/IN / 1K=100CPS/IN.		

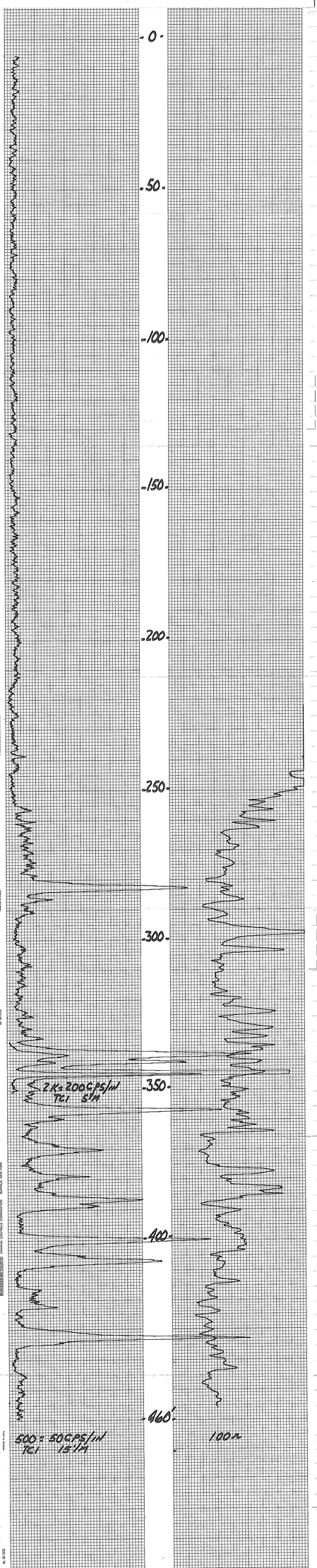


MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 367
LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
		PROBE TYPE	SCINT.
COUNTY YAVAPAI	STATE ARIZONA	K-FACTOR	5.70X10-5
GP. ~~1,202,595.5N 642,536.5E~~ 1204976.37N 88867.28E	ELEV. 1929	DEAD TIME	7.14m
		TIME CONSTANT	1
SEC.	TWP. RGE.	PROBE DIA.	1 5/8
DATE	1-29-77	CALIPER	
DEPTH DRILLED	460	DIRECTIONAL SURVEY	
DEPTH LOGGED	460	TEMPERATURE	
FOOTAGE LOGGED	477	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	JIM
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	100 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	351		
TOP	334		
TOTAL FEET	17		
SCALE RUN	2K=200CPS/IN		

REMARKS:



MINERALS EXPLORATION CO.

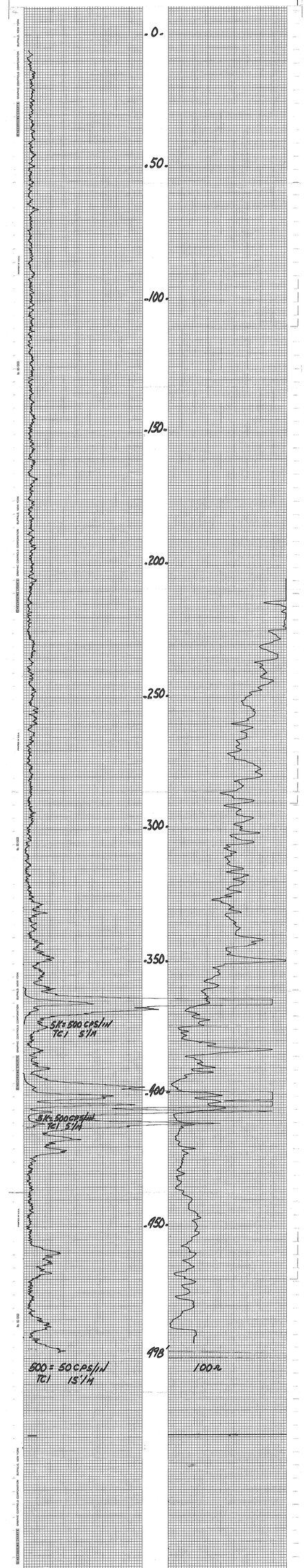
CASPER, WYOMING

HOLE NO. AM 36B

LOCATION ANDERSEN MINE		GAMMA SCALE	500 = 50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT.
GP. ~~1202,625.NN-642,007.HE~~ 1205 015.89N	ELEV. 1916	K-FACTOR	5.70X10-5
SEC. 88 337.91E TWP.	RGE.	DEAD TIME	7.14 m
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	1-25-77	CALIPER	
DEPTH DRILLED	500	DIRECTIONAL SURVEY	
DEPTH LOGGED	498	TEMPERATURE	
FOOTAGE LOGGED	532	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	JIM
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	100 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	413	373	
TOP	392	360	
TOTAL FEET	21	13	
SCALE RUN	5K=500CPS/IN	5K=500CPS/IN	

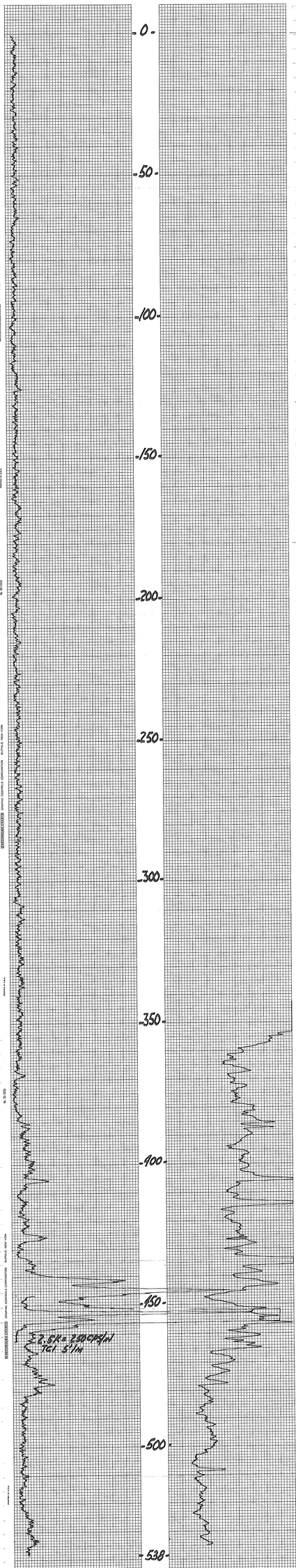
REMARKS:



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 369
LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
		PROBE TYPE	SCINT
COUNTY YAVAPAI	STATE ARIZONA	K-FACTOR	5.70X10-5
GP. ~~1202,516.7N=643,278.3E~~ 1204 884.06N	ELEV. 1984	DEAD TIME	7.19u
		TIME CONSTANT	1
SEC. 89 606.74E TWP.	RGE.	PROBE DIA.	1 5/8
DATE 1-23-77		CALIPER	
DEPTH DRILLED 590		DIRECTIONAL SURVEY	
DEPTH LOGGED 538		TEMPERATURE	
FOOTAGE LOGGED 553		OPERATOR	KETTERLING
HOLE DIAMETER 5 5/8		DRILLER	RUSS
WATER FACTOR 1.22		CONTRACTOR	REID & S
RESISTIVITY 100	OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	462			
TOP	447			
TOTAL FEET	15			
SCALE RUN	2.5K=250CPS/IN			



MINERALS EXPLORATION CO.

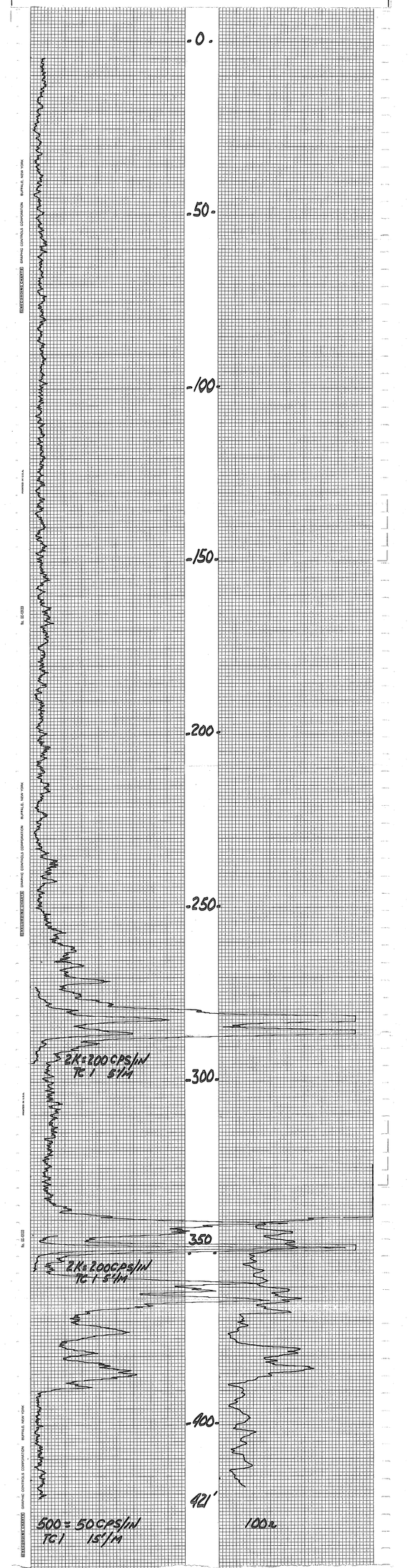
CASPER, WYOMING

HOLE NO. AM 370

LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
		PROBE TYPE	SCINT.
COUNTY YAVAPAI	STATE ARIZONA	K-FACTOR	5.70X10-5
GP. ~~1202,667.6N-642,388.5E~~ 1205051.01N 88720.60E	ELEV. 1916	DEAD TIME	7.14 u
		TIME CONSTANT	1
SEC.	TWP. RGE.	PROBE DIA.	1 5/8
DATE	1-24-77	CALIPER	
DEPTH DRILLED	420	DIRECTIONAL SURVEY	
DEPTH LOGGED	421	TEMPERATURE	
FOOTAGE LOGGED	453	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	JIM
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	100 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	355	295	
TOP	345	273	
TOTAL FEET	10	22	
SCALE RUN	2K=200CPS/IN	2K=200CPS/IN	

REMARKS:



PROJECT Anderson Mine — HOLE SIZE ____ ☐ AIR ☑ WATER — HOLE NO. AM 361

ELEVATION 2033 — NORTH 1,201,524.4 — EAST 642,630.2 — LOGGED BY C2H — DATE 2-2-77

SECTION ____ — TOWNSHIP ____ — RANGE ____ — T.D. 800 — P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					
	20					
	40					
	60					
	80					Cgl, V. Crs, Tan to Gry w/large Volcanic Frags + Granitic Frags (2' Diameter)
	100					
	120					
	140					
	160					Basalt, DK Gry to Blk
	180					
	200					
	220					
	240					
	260					
	280					
	300					Cgl, Crs SS, Wtan to Tan Brn, Granitic
	320					
	340					
	360					
	380					
	400					
	420					
	440					
	460					
	480					Sltst, Brn, Srdy
	500					

AM 361
1 of 2

PROJECT Anderson Mine — HOLE SIZE ____ ☐ AIR ☑ WATER — HOLE NO. AM 361

ELEVATION 2033 — NORTH 1,201,524.4 — EAST 642,630.2 — LOGGED BY C2H — DATE 2-2-77

SECTION ____ — TOWNSHIP ____ — RANGE ____ — T.D. 800 — P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	500					
	520					
	540					
	560					
	580					
	600					
	620					
	640					
	660					
	680					
	700					
	720					
	740					
	760					
	780					
	800					
	820					
	840					
	860					
	880					
	900					
	920					
	940					
	960					
	980					
	1000					

Sltst, Brn, Srdy

Sltst, Grn Tan, Trace Bentonite

Calcareous Tuff + Grn Sltst, Silicified, w/ Brn Chert, Calc,

Carbonaceous Sltst + Lignite, DK Gry to Blk, Silicified Calc. w/ Intbdd Brn Calc Tuff

SS, Vcl, Med, Slty sorting Poor

Carbonaceous Sltst, DK Gry, Calc Silicified

SS, med, Grn, Poor, Slty w/ Intbdd Grn Mdst

Sltst, Vcl Grn, Bentonitic, Calc

SS + Intbdd Grn Bentonitic Sltst, Samples Very Poor

Samples Very Poor, SS, Blk Volcanics Grn Sltst ?

SS, Crs Cgl, Red Brn Volcanic Frags?

361
2/2

MINERALS EXPLORATION CO.

CASING, WYOMING		HOLE NO.	AM 361
LOCATION ANDERSON MINE		CASING SIZE	200'-10 3/4"
COUNTY YAVAPAI STATE ARIZONA		CASING TYPE	Surf.
SEC. 32 TWP. 13 RGE. 4 ELEV. 2033		ELEVATION	2033 ±
		TIME CASING	1 hr.
		HOLE NO.	1 of 2
		DATE	
		CASING SHOES	
		DRILLING	REVERSE
		CIRCULATION	AIR (INTERMIT.)
		CORE BARREL	
		CORE ALL OR RUN	
		DRILL LEVEL	
		REMARKS	

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 362

ELE. TION 2061 NORTH 201,719.4 EAST 642,179.5 LOGGED BY CJH DATE 2-3-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 840 P.D. 823

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					
	20					
	40					
	50					
	60					Cgl, Sndy Slty, V. Crs w/Volcanic + Granitic Frags
	80					
	100					
	1 00					
	20					
	40					Basalt ? or Large Boulder in Cgl Dk Gry to Blk
	60					
	80					
	2 00					Cgl, Sndy, Slty to V. Slty, Lt Tan to Tan Volcanic + Crystalic Frags
	20					
	40					
	60					Cgl, Sndy, Lots (50%) Volcanic Frags
	80					
	3 00					
	20					
	40					
	60					SS Cgl, Med to V. Crs, Ang to Sub Ang, Granitic Tan to Brn, Lower Slty
	80					
	4 00					
	20					
	40					
	60					
	80					
	5 00					Sltst, Tan

AM 362
1 of 2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 362

ELE. TION 2061 NORTH 201,719.4 EAST 642,179.5 LOGGED BY CJH DATE 2-3-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 840 P.D. 823

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					Sltst, Tan
	20					Calc Tuff, Wht + Intbdd Grn Sltst, Silicified
	40					Sltst, Grn, Bentonitic, Non Calc
	50					Sltst, Grn, W/Thin Intbdd Lygitic Sltst
	60					Silicified Sltst, Grn, Sil Calc to Calc, W/Red Brn Chert + Wht Calc Tuff
	80					Sltst, Grn, Trace Carb, Bentonitic, Non Calc Very Slight Silicification
	6 00					
	20					Lignite + Carbonaceous Sltst, Dk Grn Gry to Blk, Calc, Silicified, W/Brn Calc Tuff?
	40					
	60					Silicified Sltst + Calc Tuff, Grn
	80					
	7 00					Sltst, Tan Gry, Bentonitic, Sub to Non Calc
	20					SS, Grn, Med to Crs, Ang to Sub Ang Sorting Poor
	40					Sltst/Mdst, Tan Grn to Grn, Layers of Near Pure Bentonite, Grn Sltst w/Trace Carb. Samples Very Poor V. Sndy due to Slughs From Water Sand @ Est Flow 75 GPm
	60					Lignitic Layers? Carb Com Sltst/Mdst Grade Dk Grn Trace Carb
	80					Lignite + Grn Mdst, Grn + Blk
	8 00					
	20					Slight Brn Tint to Foam All Seeds Abuse have Volcanic Frags but only a few Volcanic Frags increasing Downward
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASING WITHDRAWN		HOLE NO.	AM 362
LOCATION Anderson Mine		CASING DIAM.	6in Steel
COUNTY Mohave	STATE Arizona	FROM TO	Surf - ?
SW QUARTER SEC. 2061		ELEVATION	2061 ±
		DATE TIME	2-3-77
		TIME STANDING	1 Day
		HOLE DIA.	7 7/8
		CONTRACTOR	
		DRILLING CREW	
		DRILLER	Ringsby
		DRILL	CP 50
		WATER	Well Water
		CAP. & EL. OF MEAS.	
		FLUID LEVEL	
		REMARKS	

AM 362
2 of 2

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. AM363
ELEVATION 2041 NORTH 1,201,796 EAST 642,023.6 LOGGED BY CZH DATE 2-18-77
SECTION TOWNSHIP RANGE T.D. 780 P.D.

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

- Cgl, Lt Tan to Lt Gry, W/Volcanic Frags
- Basalt, DK Gry to Blk
- Cgl, Sndy, Lt Tan, Granitic
- Silty to V. Silty
- Sltst, Tan Grn, Bentonitic, w/wht Calc Tuff, Silicified
- Sltst, Grn, Bentonitic
- Carbonaceous, Sltst, Gry, Silicified w/Thin Lignite Layers and Grn Bentonitic Sltst Layers

AM 363
1 of 2

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. AM 363
ELEVATION 2041 NORTH 1,201,797.6 EAST 642,023.6 LOGGED BY CZH DATE 2-18-77
SECTION TOWNSHIP RANGE T.D. 780 P.D.

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

- Carb. Sltst, Gry, Silic, w/Thin Lignitic Layers + Grn Bent. Strat Layers
- Silicified Sltst, Gry Grn, w/Intbdd Calc Tuff (wht)
- Sltst, Grn, Bentonitic, Trace to Com Carb
- Carbonaceous Sltst + Lignite, DK Gry to Blk, Calc, Silic, w/Brn Calc Tuff
- Silicified Sltst, Gry Grn, w/Gry Grn + Gry Brn Sub-Chert
- SS, Tan Grn, med, Poor, Trace Hem Stain, Sub Ang
- Sltst, Grn to DK Grn, w/Thin Intbds Lignite
- Sltst, Tan to Tan Grn Bentonitic + Gry Wht Bentonite Layers, Silicified
- SS?, Tan Grn, Sub Ang, Poor, Med, Trace Hem + Lim
- Sltst, Grn, Silicified w/Near Pure Bentonite Layers
- Carbonaceous Sltst, Grn to Gry
- SS, Fine to Med, Tan Grn, Sub Ang, Pool
- Sltst, Tan, Bentonitic
- Carbonaceous Sltst, Gry
- Sltst, Grn
- Carbonaceous, Sltst, Gry
- Sltst w/Volcanic Frags

AM 363
2/2

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	Anderson Mine	HOLE NO.	AM-363
COUNTY	Uintah	STATE	Utah
QUAD	Myton SE	ELEVATION	2041
SEC.	TWP.	RGE.	
DATE	2/18/77		
DRILL HOURS	1130		
DRILLING HOURS	1030		
HOLE DIAMETER	6 3/4" to 780'		
CASING SIZE			
KEY FORMATION			
CASING	10 3/4	WT.	
BOTTOM	200		
TOP	KB		
TOTAL DEPTH	780		
CORE RUN	0		

LOG TYPE/RUN NO. 1st after surface

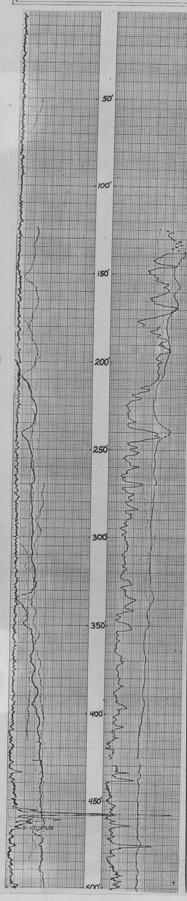
	LOG RUN NO. 1		
	DRL. MEAS.	DRL. MEAS.	DRL. MEAS.
	200		
	780		
	KB		
	0		

CASING HEAD	GOOD / LOCATION
ELEVATION	GL+10'
HOLE TYPE	12 1/4 under
HOLE CONDITION	G
HOLE DEV.	1/2
DRILLER	
ADDITIONAL SURVEY	
SURVEYORS	
OPERATOR	Anderson
CONTRACTOR	Mc Kay
LAST 4 1/2, 9.5 CSG.	
FLUID LEVEL	
REMARKS	

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☒ WATER HOLE NO. AM 364 Page 1 of 2

ELEVATION 2029 NORTH 1,202,013.0 EAST 641,807.4 LOGGED BY C ZH DATE 2-18-77

SECTION TOWNSHIP RANGE T.D. 820 P.D.



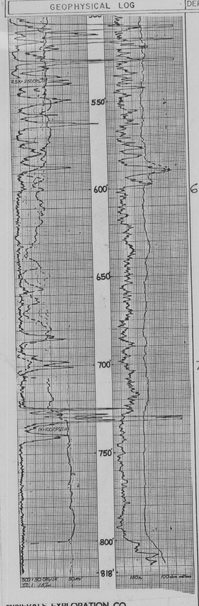
GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0–60					Cgl, Lt Tan to Lt Gry, Volcanic Frags Abnt
	100					Basalt, DK Gry
	200					Cgl, Sndy to V. Crs, Granitic, Slty to V. Slty at Bottom
	300					
	400					Sltst, Tan
						Sltst, Tan Grn, W/Wht Calc Tuff, Trace Brn Chert
						Sltst, Grn, Bentonitic, Wht Calc Tuff layers, Trace Silicification
	500					Silicified Sltst, Grn, Calc Tuff, Brn Chert

AM 364
1 of 2

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☒ WATER HOLE NO. AM 364 Page 2 of 2

ELEVATION 2029 NORTH 1,202,013.0 EAST 641,807.4 LOGGED BY C ZH DATE 2-18-77

SECTION TOWNSHIP RANGE T.D. 820 P.D.



GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	500					Silicified Sltst, Grn, Calc Tuff, Brn Chert
						Sltst, Grn, Bentonitic, Silicified w/Thin Intbds of Lignite, Calc
						Carbonaceous Sltst + Lignite, DK Gry to Blk, w/Brn Calc Tuff and Thin Intbdd Grn Mdst, Calcareous, Silicified
	600					Calcareous Tuff, Wht to Brn, Lower 10' Much Grn Bentonitic Mdst, Upper 10' Silicified
						Silicified Sltst, Grn, w/Thin Intbds of Lignite and Calc Tuff
						SS, Tan Grn, Med, Sorting Poor, Trace Lim + Ham Stain Water Sand Approx 75 to 100 GPM
						Sltst, Grn, Silicified, Bentonitic
						SS+ Silicified Sltst, SS, Crs w/V. Crs Granitic Frags, Grn w/Red Brn Tint
	700					Lignitic Material, DK Gry to Blk, Calc, Silicified
						SS, Red Brn, Well Cmtd, Granitic, Med to Crs
						Mdst, Grn
						Lignite, Blk, Sub-Calc, Intbdd Carb Sltst + Grn Sltst
						SS, w/Red Granitic Frags + Grn Sltst — Trace Lignite
						Sltst Tan + Lt Grn Bentonite
						Sltst, Grn, Lot of Contamination
						Sltst, Tan to Lt Pink Tan, W/Orange Speckles
	800					~~[illegible]~~
						Andesitic Volcanics, Red Brn to Gry Brn
	820					~~[illegible]~~

MINERALS EXPLORATION CO.

CASING, WITCHING		HOLE NO.	AM 364
LOCATION	ANDERSON MINE	CASING TYPE	2½" PVC
COUNTY	YAVAPAI STATE ARIZ.	FACTOR	0.17
GR. ELEVATION-DIRECT	2029	PIPE TYPE	1.5" x .040
TD.	820	PIPE CONDITION	
DATE	2-18-77	CASING A.	4"
DATE DRILLED	2-18-77	CASING B.	
DATE COVERED	2-18-77	SECTIONAL BORED	
DATE CASED	2-18-77	TEMPERATURE	
CASING CEMENT	4.25	OPERATOR	Andrews
WATER LEVEL	208' to 240'	DRILLER	Cook
WATER FACTOR		CONTRACTOR	Calvert
	DIMENSIONS	LOT AREA OR BASE	
SIZE OPENING	0.1 in.	PUMP DATA	
DEPTH	100 200 300 400 500	REMARKS	
TOP	0 100 200 300 400		
BOTTOM	100 200 300 400 500		
TOTAL FEET	500 ft.		
HOLE SIZE	7.8" 6.5" 5.5" 5.5" 5.5"		

AM
364
2/2

PROJECT Anderson Mine — HOLE SIZE ____ ☐ AIR ☑ WATER — HOLE NO. AM 365

ELEVATION 1970 — NORTH 1,202,414.6 — EAST 641,002.3 — LOGGED BY C2H — DATE 1-4-77

SECTION 10 — TOWNSHIP ____ — RANGE ____ — T.D. ____ — P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					
50'	20					
	40					
	60					
	80					
100'	100					
	20					Cgl Lt Tan, to Yel tan,
	40					
150'	60					
	80					
200'	200					
	20					Brn Tan, silty
250'	40					
	60					
	80					
300'	300					Sltst Grn to Brn Grn
	20					
	40					
350'	60					Marlst + Grn sltst, Marl. Wht, Thin bdd, Limy Red Brn Ghost
	80					Sltst, Grn
400'	00					Sltst, Grn w/ Carb Cem to Mdst, Sndy
	20					Sltst, Grn, Calcareous
	40					
450'	60					Sltst, Gry, Carbonaceous
	80					
	00					~ silicified Sltst Grn + DK Gry, Carb Cem

AM 365 2/2

PROJECT Anderson Mine — HOLE SIZE ____ ☐ AIR ☑ WATER — HOLE NO. AM 365

ELEVATION 1970 — NORTH 1,202,414.6 — EAST 641,002.3 — LOGGED BY C2H — DATE 1-4-77

SECTION 10 — TOWNSHIP ____ — RANGE ____ — T.D. ____ — P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	500					~ silicified, Sltst, some Carb
550'	20					
	40					Sltst, Gry to Brn Bentonitic
	60					
	80					
	600					Red Sltst
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE
COUNTY	Uinta
STATE	WYO
SEC	10
TWP	
RGE	
LOG RUN	1-4-77
DEPTH DRILLER	600
DEPTH LOGGER	615
CASING DRILLER	8 5/8"
BTM LOGGED INTVL	615
TOP LOGGED INTVL	SURFACE
TYPE FLUID IN HOLE	AIR
SALINITY	
DENSITY	
LEVEL	
SOURCE OF SAMPLE	
RM @ MEAS TEMP	
RMF @ MEAS TEMP	
RMC @ MEAS TEMP	
SOURCE RMF & RMC	
RM @ BHT	
TIME CIRC	
MAX REC TEMP	
EQUIP LOCATION	
RECORDED BY	
WITNESSED BY	

BOREHOLE RECORD	
RUN NO.	ONE
BIT FROM	SURFACE
BIT TO	615'
TYPE FLUID IN HOLE	AIR
SALINITY	
DENSITY	
LEVEL	
MAX REC TEMP	
EQUIP LOCATION	
RECORDED BY	
WITNESSED BY	

CASING RECORD	
SIZE	8 5/8"
WGT/FT	24
GRADE	
FROM	SURFACE
TO	615'

BOREHOLE NO. AM-365

DIAMETER

1ST STAGE	12 1/4"	FROM	SURFACE
2ND STAGE		TO	615'
3RD STAGE			

REMARKS

CDN CALIPER RUN

AM 365 Page 1 of 2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 366

ELEVATION 1961 NORTH 1202, 202.2 EAST 641, 167.8 LOGGED BY CPH DATE 1-6-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. ____ P.D. ____

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

- Cgl, Lav Brn, Slty
- Basalt, DK Gry to Blk
- Slty Cgl Red Bake Zone
- Cgl, Sndy, Yel Tan to Tan
- Sltst, Grn Tan
- Sltst, Yel Grn, Bentonitic
- LS, Marlst, Slic LS (Yel Tan), Grn Wht
- Sltst, Lt Grn, Sub Calc
- Sltst, DK Grn, Carbonaceous
- Interbed Grn Sltst + Brn Silicified Sltst
- Sltst, Grn
- Carbonaceous Sltst + Lignite, DK Grn to Blk
- Sltst, Grn

AM 366 1 of 2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 366

ELEVATION 1961 NORTH 1202, 202.2 EAST 641, 167.8 LOGGED BY CPH DATE 1-6-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. ____ P.D. ____

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

- Carbonaceous Sltst + Lignite w/ Interbd Grn Sltst & Brn Tan Sltst
- Red Brn Chert
- Sltst Grn
- Sltst, Tan Grn
- Sltst, DK Grn
- SS, Crs, Biotite Com, Qtz Com
- Sltst, Grn, Yel orange staining
- SS, Tan Brn, Lim + Hem, Crs
- Sltst, Grn, Sndy
- Sltst, Red Brn
- SS, Crs, Lim + Hem Stain, Poor
- Carbonaceous Sltst
- SS, Crs, Lim Stain, Sorting Poor
- Carbonaceous Sltst + Lignite
- Sltst, Lt Grn
- Volcanics + Red Aglomerate
- Red Sltst + Volcanics

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE	HOLE NO.	AM-366
COUNTY	WASHAKIE STATE WYO.	CASING SIZE	2000-2002 FEET
SW 1/4 NE 1/4 SEC. 8 T. 45 N. R. 91 W. 6TH P.M.		CASING TYPE	Steel
		CASING	4.5"
		TUBE DIAMETER	3.28 o.d.in.
		TUBE GRADE	
		CASING WEL.	lb/ft
		COUPLER	
		DRILLING METHOD	
		CENTRALIZER	
		DRILLER	Andrews
		HELPER	Orange
		CEMENTATION	Gallons
		LAST LOG BY BOT.	
		FLUID LEVEL	
		REMARKS	

DRILLED	12-6-77				
DATE ISSUED	12-6-77				
CASING DRILLER	CASE				
CASING LOGGED	12-6-77				
BOTTOM LOGGED	2000				
HOLE DIAMETER	3 7/8 IN. TO 2,002'				
RUN NUMBER	ONE				
RUN NO.	ONE				
PASS NUMBER	ONE				
DIRECTION	IN				
LOG INTERVAL	2000'	1500'			
SCALE	1" = 100'	1" = 100'			
TOP LOG INTER.	2000'	1500'			
BOTTOM LOG INTER.	1500'	500'			
TYPE FLUID IN HOLE	AIR	AIR			
MAX. REC. TEMP.	90°F	90°F			
EQUIP. NO. & LOCATION	1300 CASPER	1300 CASPER			
RECORDED BY	C. HAMILTON	C. HAMILTON			
WITNESSED BY	C. PETERSON	C. PETERSON			

AM 366 2/2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM367

ELEVATION 1929 NORTH 1,202,595.5 EAST 642,536.5 LOGGED BY CZH DATE 1-24-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 460 P.D. ____

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

Alluvium, Tan, Cgl

Cgl, V. Cvs, Tan

SS Cgl, Silty, Lt Tan to Brn

Siltst, Tan, Sndy

Siltst, Grn, Bentonitic, Silicified w/ thin Intbdd Calc Tuff, + Red Brn Chert, Calcareous

Siltst, Grn Bentonitic

Silicified Siltst, Grn w/ Intbdd wht Calc Tuff Calcareous, Brn + Brn Sub-Chert

Carbonaceous Siltst + Lignite, DK Gry to Blk Calc

Siltst DK Grn Sub Calc, Non Calc

Lignite + Lignite Siltst, Blk, Calc, Silicified

Carbonaceous siltst, Grn to DK Gry, Calc, Bentonitic

Siltst Tan

Siltst, Red Brn w/ Red Brn to Brn Volcanic Frags

2K = 200 CPS/IN TC1 5"/M

500 = 50 CPS/IN TC1 15"/M 100Ω

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE		HOLE NO.	AM 367
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,202,595.5N-642,536.5E	ELEV. 1929	PROBE TYPE	SCINT.
SEC.	TWP. RGE.	K-FACTOR	5.70X10-5
DATE	1-24-77	DEAD TIME	7.1μs
DEPTH DRILLED	460	TIME CONSTANT	1
DEPTH LOGGED	460	PROBE DIA.	1 5/8
FOOTAGE LOGGED	417	CALIPER	
HOLE DIAMETER	5 5/8	DIRECTIONAL SURVEY	
WATER FACTOR	1.22	TEMPERATURE	
RESISTIVITY	100 OHMS/INCH	OPERATOR	KETCHLING
SELF POTENTIAL	M.V./IN.	DRILLER	JIM
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	CONTRACTOR	UNIVERSAL
BOTTOM	351	LAST A.E.C. PIT RUN	
TOP	334	FLUID LEVEL	
TOTAL FEET	17	REMARKS:	
SCALE RUN	2K=2000CPS/IN		

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 368

ELEVATION 1916 NORTH 1,202,626.4 EAST 642,007.4 LOGGED BY CZH DATE 1-25-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 500 P.D. ____

DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
20					
40					
60					SS, Lt Tan to Tan, Lower cgl + Slty
80					
00					
20					
40					
60					
80					Slt-st, Tan to Brn, Sndy
00					
20					
40					
60					
80					
00					Slt-st, Grn Tan, Lower Bentonitic + More Grn,
20					
40					Int'bdd Grn Silicified Slt-st + Wht Calcareous Tuff, Bentonitic
60					Slt-st, Grn, Bentonitic, Non-Calc
80					Carbonaceous slt-st + lignite, DK Gry to Blk, Calc
00					Calcareous Tuff, Pale Grn, Silicified
20					Carbonaceous Slt-st, DK Grn to Blk, Lignitic, Silicified Calc,
40					Slt-st, Grn, Bentonitic
60					SS, Med to Crs, w/ Grn Slt-st Int'bdd
80					Slt-st, Grn to DK Grn, Trace Carb, Non Calc to Sub Calc Bentonitic, Trace Silicification
00					Carbonaceous slt-st + Lignite DK Gry to Blk, Calc
					Slt-st Red w/ Andesitic Volcanic Frags

.50 .100 .150 .200 .250 .300 .350 .400 .450 498

SP + 500 CPS/IN TC1 5"/M

BK = 500 CPS/IN TC1 5"/M

500 = 50 CPS/IN TC1 15"/M 100Ω

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM 368

LOCATION	ANDERSEN MINE.	GAMMA SCALE	500 = 50 CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT.
GP.	1,202,626.4N-642,007.4E ELEV. 1916	K-FACTOR	5.70 X 10-5
SEC.	TWP. RGE.	DEAD TIME	7.1 μsec
DATE	1-25-77	TIME CONSTANT	1
DEPTH DRILLED	500	PROBE DIA.	1 5/8
DEPTH LOGGED	498	CALIPER	
FOOTAGE LOGGED	532	DIRECTIONAL SURVEY	
HOLE DIAMETER	5 5/8	TEMPERATURE	
WATER FACTOR	1.22	OPERATOR	ROTH/LING
RESISTIVITY	100 OHMS/INCH	DRILLER	JIM
SELF POTENTIAL	M.V./IN.	CONTRACTOR	UNIVERSAL
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	413 373	FLUID LEVEL	
TOP	392 360	REMARKS:	
TOTAL FEET	21 13		

Page 1 of 2

PROJECT Anderson Mine | HOLE SIZE ____ | ☐ AIR ☑ WATER | HOLE NO. AM 369

ELEVATION 1984 | NORTH 1,202,516.7 | EAST 643,278.3 | LOGGED BY CZH | DATE 1-23-77

SECTION ____ | TOWNSHIP ____ | RANGE ____ | T.D. 540 | P.D. ____

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

- Cgl, Sndy, Slty, Lt Tan to Tan, Granitic Frags
- V. Slty
- SS, Cgl, Tan Brn Fine to Crs, Slty
- Sltst, Sndy, Brn,
- Sltst, Tan Grn, Bentonitic
- Sltst, Grn, Bentonitic, Some silicification, Gry Wht
- Calcareous Tuff, Yel Brn Chert Silicified
- Sltst, Grn, Silicified, Bentonitic, Calc.
- Calcareous Tuff, Gry Wht, Red Brn Chert
- Carbonaceous Sltst, DK Grn to DK Gry, Calc Silicified, W/Thin Intbdd Lignites
- Sltst, Grn, Bentonitic, Sndy Trace Silicification Sub-Calc

AM 369
1 of 2

Page 2 of 2

PROJECT Anderson Mine | HOLE SIZE ____ | ☐ AIR ☑ WATER | HOLE NO. AM 369

ELEVATION 1984 | NORTH 1,202,516.7 | EAST 643,278.3 | LOGGED BY CZH | DATE 1-23-77

SECTION ____ | TOWNSHIP ____ | RANGE ____ | T.D. 540 | P.D. ____

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

- Sltst, Grn, Bentonitic, Sndy, Trace Silicification, Sub-Calc
- Sltst, Brn, Sndy
- Sltst, Grn, Bentonitic, Trace Carb
- Sltst, Red, W/Andesitic Volcanic Frags

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM 369
COUNTY	YAVAPAI STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,202,516.7N-643,278.3E	ELEV. 1984	PROBE TYPE	SCINT
SEC. TWP. RGE.		K-FACTOR	5.70X10 -5
DATE	1-23-77	DEAD TIME	7.19
DEPTH DRILLED	590	TIME CONSTANT	1
DEPTH LOGGED	538	PROBE DIA.	1 5/8
FOOTAGE LOGGED	553	CALIPER	
HOLE DIAMETER	5 5/8	DIRECTIONAL SURVEY	
WATER FACTOR	1.22	TEMPERATURE	
RESISTIVITY	100 OHMS/INCH	OPERATOR	KETTERLING
SELF POTENTIAL	M.V./IN.	DRILLER	RUSS
		CONTRACTOR	REID & S
		LAST A.E.C. PIT RUN	
		FLUID LEVEL	
		REMARKS:	

	1ST. RUN	2ND. RUN	3RD. RUN
RERUNS			
BOTTOM	462		
TOP	447		
TOTAL FEET	15		
SCALE RUN	2.5K=250CPS/IN		

AM 369
2/2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 370

ELEVATION 1916 NORTH 1,202,667.6 EAST 642,388.5 LOGGED BY CJH DATE 1-24-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 420 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					Cgl Lt Tan to Tan
	40					
-50-	60					SS, Grn Tan, Fine, Silty
	80					SS, Tan to Red Brn, Silty
-100-	100					
	20					Cgl, Tan Brn
	40					
-150-	60					
	80					Siltst, Sndy, Tan to Tan Brn
-200-	200					
	20					
-250-	40					Calc Siltst, + Calc Tuff, Pale Grn to Grn Wht, Silicified, w/ Yel Brn + Red Brn Chert Bentonitic
	60					
	80					Siltst, Grn, Bentonitic Non-Calc
-300-	300					Calc Tuff + Calc Siltst, Pale Grn, Calc, Trace Silic
	20					Carbonaceous Siltst, Gry, Calc
	40					Calc Tuff + Silicified Siltst, Pale Grn,
350	60					Siltst, Grn, Bentonitic Calc,
	80					Silicified Siltst, Grn, Calc
	400					Carbonaceous Siltst + Lignite DK Gry to Blk Calc, Silicified
-400-	20					Sub-Carbonaceous Siltst, DK Grn, Calc, Bentonitic
421'	40					Carbonaceous Siltst + Lignite, DK Gry to Blk, Calc
	60					
	80					Siltst, Red, W/ Andesitic Volcanic Frags
	500					
	20					
	40					
	60					
	80					
	600					

2K = 200 CPS/IN TC 1 6"/M

2K = 200 CPS/IN TC 1 5"/M

600 = 50 CPS/IN TC 1 15"/M

100 M

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM 370
COUNTY	YAVAPAI STATE ARIZONA	GAMMA SCALE	500 = 5000 CPS/IN
GP.	1,202,667.6N-642,388.5E ELEV. 1916	PROBE TYPE	SCINT.
SEC.	TWP. RGE.	K-FACTOR	5.70X10-5
DATE	1-24-77	DEAD TIME	7.14 M.
DEPTH DRILLED	420	TIME CONSTANT	1
DEPTH LOGGED	421	PROBE DIA.	1 5/8
FOOTAGE LOGGED	453	CALIPER	
HOLE DIAMETER	5 5/8	DIRECTIONAL SURVEY	
WATER FACTOR	1.22	TEMPERATURE	
RESISTIVITY	100 OHMS/INCH	OPERATOR	KETCHUM
SELF POTENTIAL	M.V./IN.	DRILLER	JIM
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	CONTRACTOR	UNIVERSAL
BOTTOM	355 / 295	LAST A.E.C. PIT RUN	
TOP	345 / 273	FLUID LEVEL	
TOTAL FEET	10 / 22	REMARKS:	