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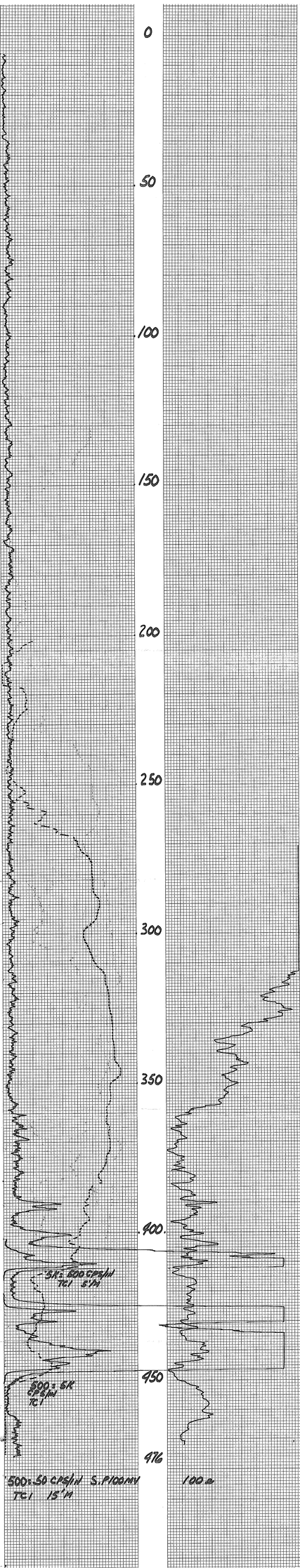
MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 371
LOCATION	ANDERSEN MINE	GAMMA SCALE	500=50CPS/IN
		PROBE TYPE	SCINT.
COUNTY	YAVAPAI STATE ARIZONA	K-FACTOR	5.70x10-5
GP.	~~1203,3945N 640,~~ 590.0 ELEV. 2008	DEAD TIME	7.14 μ
	1205 810.23N	TIME CONSTANT	1
SEC.	86 934.96E TWP. RGE.	PROBE DIA.	1 5/8
DATE	3-5-77	CALIPER	
DEPTH DRILLED	480	DIRECTIONAL SURVEY	
DEPTH LOGGED	476	TEMPERATURE	
FOOTAGE LOGGED	519	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	100 M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	450	416		
TOP	421	402		
TOTAL FEET	29	14		
SCALE RUN	5K=500CPS/IN	5K=500CPS/IN		



MINERALS EXPLORATION CO.

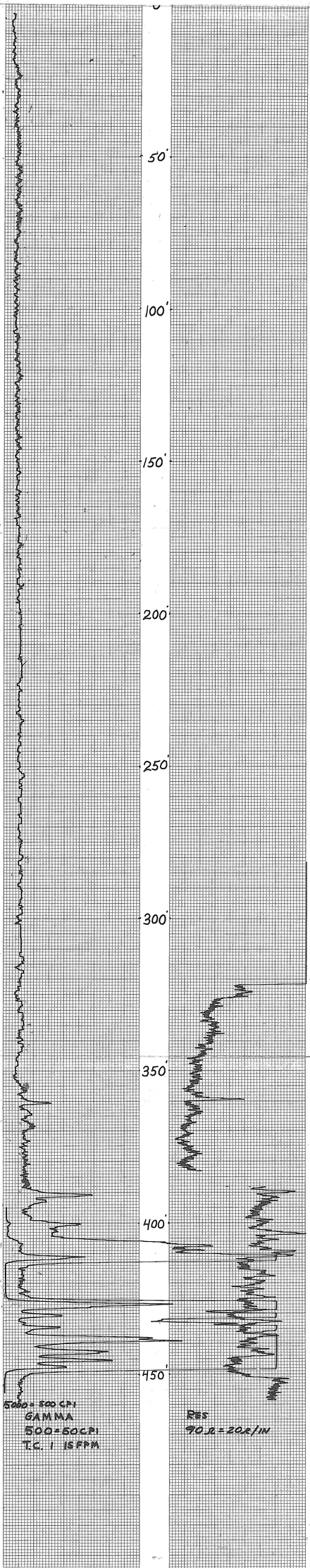
CASPER, WYOMING

HOLE NO. AM 371C

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE	AZ
GP.		ELEV.	
SEC.	TWP.	RGE.	
DATE	9-19-77		
DEPTH DRILLED	456		
DEPTH LOGGED	458		
FOOTAGE LOGGED	520		
HOLE DIAMETER	4"		
WATER FACTOR	1.12		
RESISTIVITY	20	OHMS/INCH	
SELF POTENTIAL	10	M.V./IN.	
RUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	457		
TOP	395		
TOTAL FEET	62		
SCALE RUN	5000=500CPI		

GAMMA SCALE	500=50CPI
PROBE TYPE	SCINT
K-FACTOR	6.42 E-5
DEAD TIME	7.5 μSEC
TIME CONSTANT	1 SEC
PROBE DIA.	1 5/8"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	BRADLEY/ERIC
DRILLER	TALBOT
CONTRACTOR	BOYLES BROS
LAST A.E.C. PIT RUN	
FLUID LEVEL	

REMARKS: POOR RESISTANCE PROBABLY DUE TO HOLE CONDITIONS

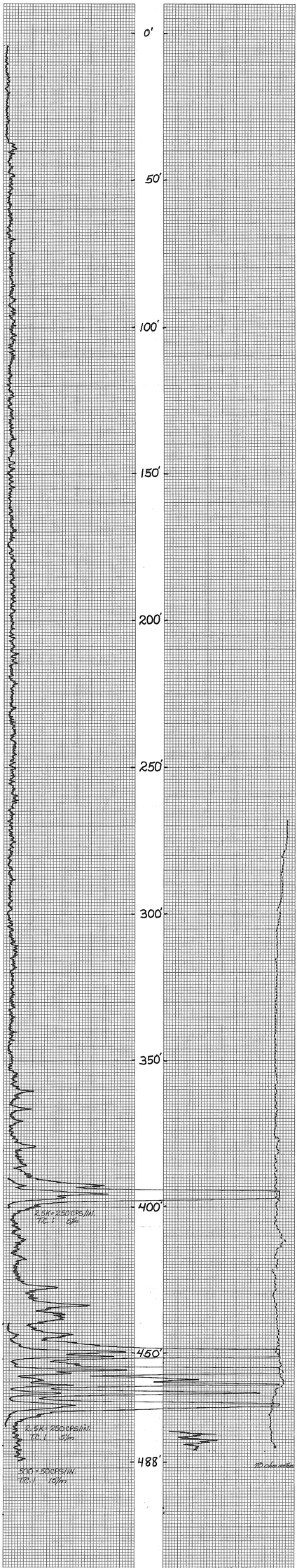


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-372

LOCATION	ANDERSON MINE	GAMMA SCALE	500 CPS=50CPS/IN.
COUNTY	YAVAPAI STATE ARIZ.	PROBE TYPE	SCINT.
GP. ~~1203/196/IN-640/608.9~~E	ELEV. 1996	K-FACTOR	5.1^{10-5}
1205 610 . 92N		DEAD TIME	7.14 μ secs.
SEC. 86 950.38E	TWP. RGE.	TIME CONSTANT	1
DATE	2-15-77	PROBE DIA.	1⅝"
DEPTH DRILLED	520'	CALIPER	
DEPTH LOGGED	488'	DIRECTIONAL SURVEY	
FOOTAGE LOGGED	533'	TEMPERATURE	
HOLE DIAMETER	5⅞" to 110' 5⅝" to 520'	OPERATOR	Hudson
WATER FACTOR		DRILLER	Church
RESISTIVITY	OHMS/INCH	CONTRACTOR	Roberts
SELF POTENTIAL	M.V./IN.	LAST A.E.C. PIT RUN	
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	FLUID LEVEL	
BOTTOM	475' / 400'	REMARKS:	
TOP	440' / 390'		
TOTAL FEET	35' / 10'		
SCALE RUN	2.5K=250CPS/IN. / 2.5K=250CPS/IN.		



MINERALS EXPLORATION CO.

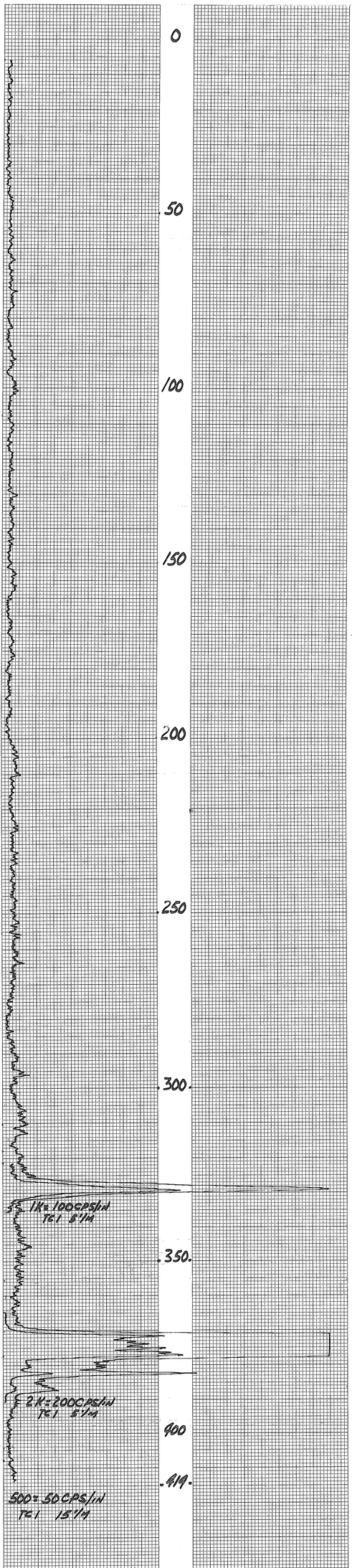
CASPER, WYOMING

LOCATION	ANDERSEN MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	~~1,208,784.7N 640,176.4E~~ 1206 207.6 N	ELEV.	2028
SEC.	86	TWP. 328.03 E	RGE.
DATE	3/9/77		
DEPTH DRILLED	420		
DEPTH LOGGED	419		
FOOTAGE LOGGED	452		
HOLE DIAMETER	5 5/8		
WATER FACTOR	.122		
RESISTIVITY	AIR - FOAM	OHMS/INCH	
SELF POTENTIAL	M.V./IN.		

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	390	335	
TOP	365	322	
TOTAL FEET	25	13	
SCALE RUN	2K=200CPS/IN	1K=100CPS/IN	

HOLE NO. AM 373

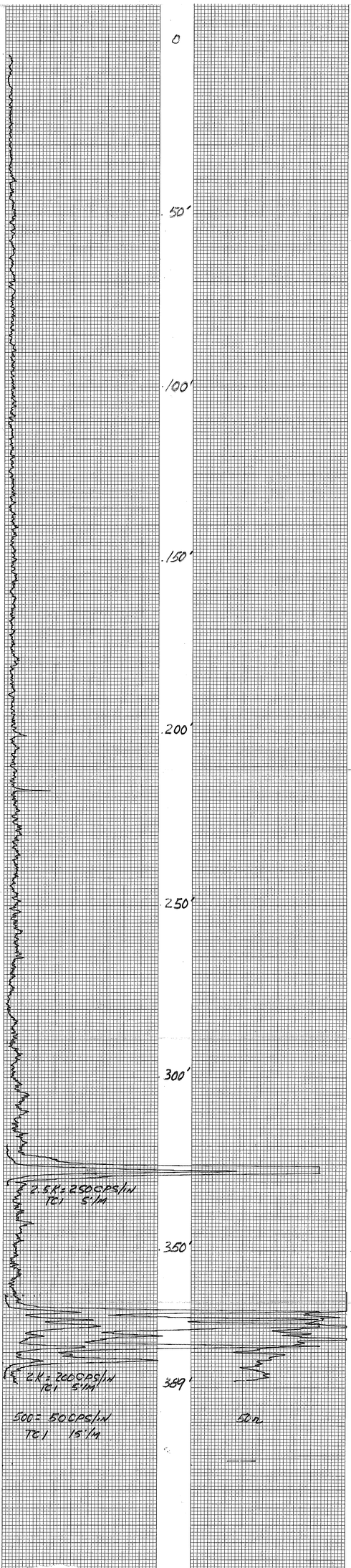
GAMMA SCALE	500=500CPS/IN
PROBE TYPE	SCINT
K-FACTOR	5.70×10^{-5}
DEAD TIME	7.14 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 373-C
LOCATION	ANDERSEN MINE	GAMMA SCALE	500=50CPS
COUNTY	YAVAPAI	STATE ARIZ.	PROBE TYPE	SCINT
GP.		ELEV.	K-FACTOR	5.42X10.5
			DEAD TIME	7.65 μs
SEC.	TWP.	RGE.	TIME CONSTANT	1
			PROBE DIA.	1 5/8
DATE	10-11-77	CALIPER	
DEPTH DRILLED	390'	DIRECTIONAL SURVEY	
DEPTH LOGGED	389'	TEMPERATURE	
FOOTAGE LOGGED	425'	OPERATOR	KETTERLING
HOLE DIAMETER	9	DRILLER	
WATER FACTOR	1.10	CONTRACTOR	SHELTON
RESISTIVITY	50 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	- M.V./IN.	FLUID LEVEL	360'

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	389'	333'		
TOP	365'	321		
TOTAL FEET	28'	12'		
SCALE RUN	2K=200CPS/IN	2.5K=250CPS		



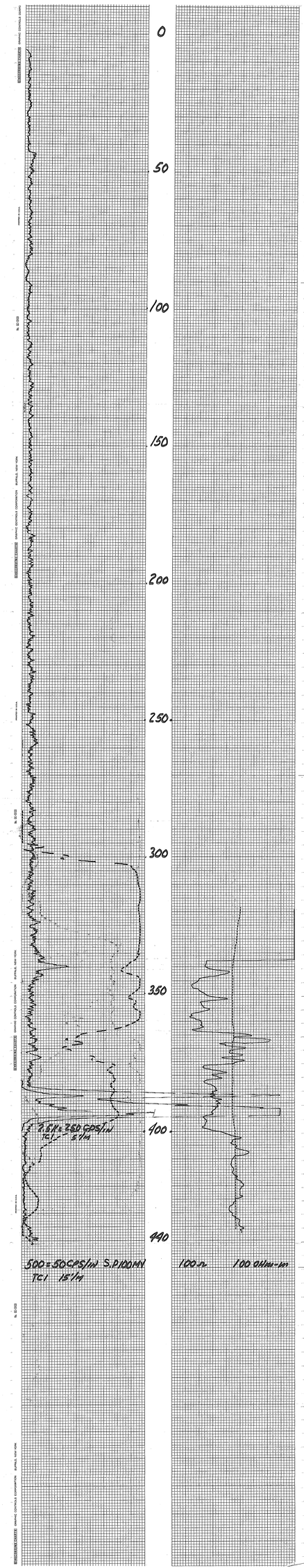
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	~~1203596N-640226E~~ 1206018.72N 86575.65 EWP.	ELEV.	2019
SEC.		RGE.	
DATE	3/3/77		
DEPTH DRILLED	440		
DEPTH LOGGED	440		
FOOTAGE LOGGED	458		
HOLE DIAMETER	5 5/8		
WATER FACTOR	.22		
RESISTIVITY	100	OHMS/INCH	100 OHM-M
SELF POTENTIAL	100	M.V./IN.	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	400		
TOP	382		
TOTAL FEET	18		
SCALE RUN	2.5K-250CPS/IN		

HOLE NO.	AM 374
GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70X10-5
DEAD TIME	7.19μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	JETTERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



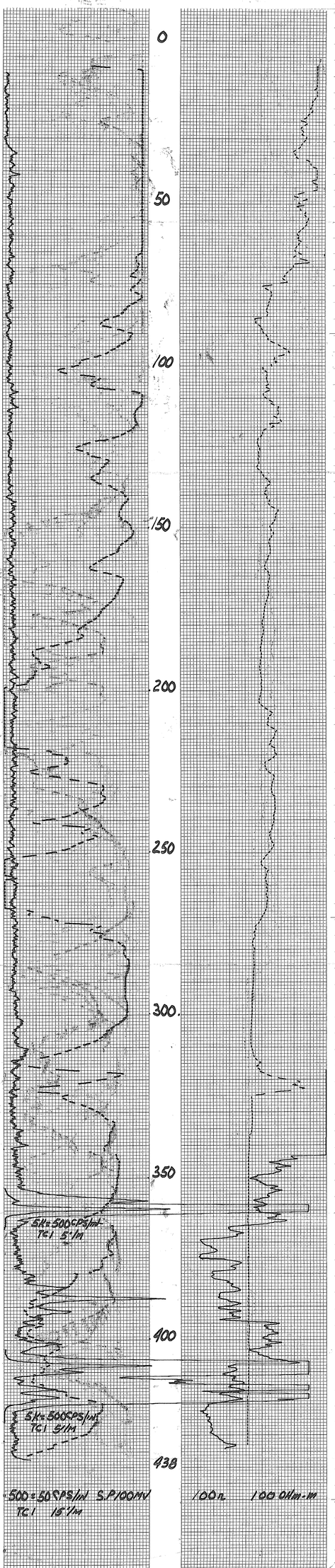
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM 375
COUNTY	YAVAPAI	STATE ARIZONA	GAMMA SCALE	500 = 50CPS/IN
GP.	~~1203,318.6N 640,208.0~~ 1205821.09N	ELEV. 2005	PROBE TYPE	SCINT
SEC.	86 553.09E	TWP.	RGE.	K-FACTOR	5.70X10-5
			DEAD TIME	7.19μ
			TIME CONSTANT	1
			PROBE DIA.	1 5/8
DATE	3-6-77		CALIPER	
DEPTH DRILLED	440		DIRECTIONAL SURVEY	
DEPTH LOGGED	438		TEMPERATURE	
FOOTAGE LOGGED	473		OPERATOR	KETTERING
HOLE DIAMETER	5 5/8		DRILLER	JIM
WATER FACTOR	1.22		CONTRACTOR	UNIVERSAL
RESISTIVITY	100	OHMS/INCH 100 OHM-M	LAST A.E.C. PIT RUN	
SELF POTENTIAL	100	M.V./IN.	FLUID LEVEL	

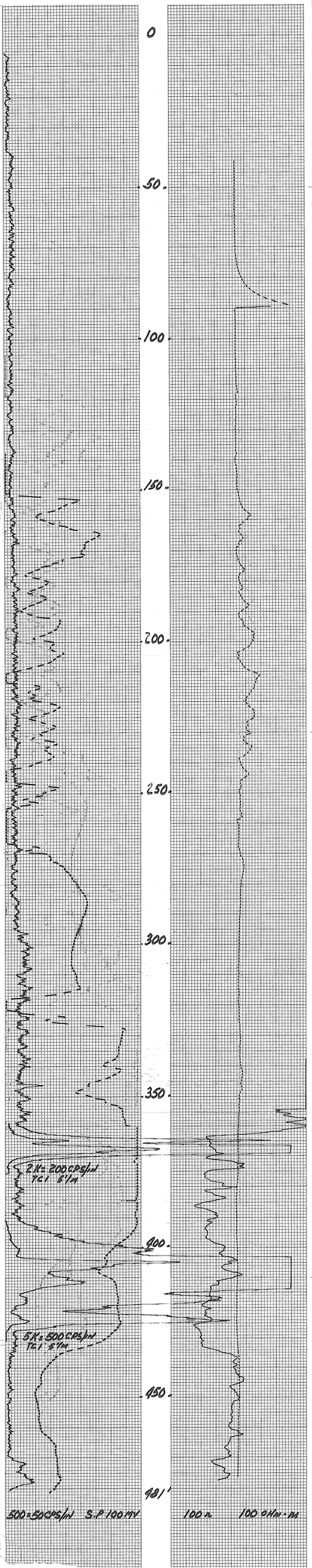
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	425	366	
TOP	403	353	
TOTAL FEET	22	13	
SCALE RUN	5K=500CPS/IN	5K=500CPS/IN	

REMARKS:



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 376
LOCATION ANDERSEN MINE		GAMMA SCALE	500=50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT.
GP. ~~1203,399.5N-640,418.0~~ 1205 818.32N	ELEV. 2006	K-FACTOR	5.70X10-5
SEC. 86 763.08E TWP.	RGE.	DEAD TIME	7.19 M
DATE 3/2/77		TIME CONSTANT	1
DEPTH DRILLED 480		PROBE DIA.	1 5/8
DEPTH LOGGED 481		CALIPER	
FOOTAGE LOGGED 538		DIRECTIONAL SURVEY	
HOLE DIAMETER 5/5/8		TEMPERATURE	
WATER FACTOR 1.22		OPERATOR	KETTERLING
RESISTIVITY 100	OHMS/INCH 100 OHM-M	DRILLER	JIM
SELF POTENTIAL 100	M.V./IN.	CONTRACTOR	UNIVERSAL
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	431 / 376	FLUID LEVEL	
TOP	391 / 359	REMARKS:	
TOTAL FEET	90 / 17		
SCALE RUN	5K=500CPS/IN 2K=200CPS/IN		



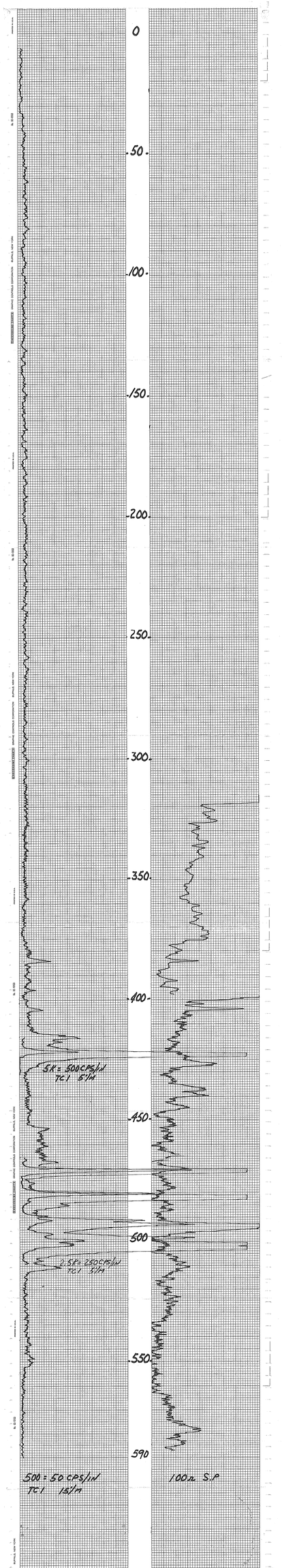
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE
COUNTY	YAVAPAI
STATE	ARIZONA
~~QP. SOUTH 1/4 N.W. 1/4 N.E. 1/4~~	
SEC.	
TWP.	
RGE.	
ELEV.	1989
DATE	2-28-77
DEPTH DRILLED	590
DEPTH LOGGED	590
FOOTAGE LOGGED	660
HOLE DIAMETER	5 5/8
WATER FACTOR	1.22
RESISTIVITY	100 OHMS/INCH
SELF POTENTIAL	– M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	519	931	
TOP	465	915	
TOTAL FEET	54	16	
SCALE RUN	2.5K=250CPS/IN 5K=500CPS/IN		

HOLE NO.	AM 377
GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70 x 10-5
DEAD TIME	7/19 u
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

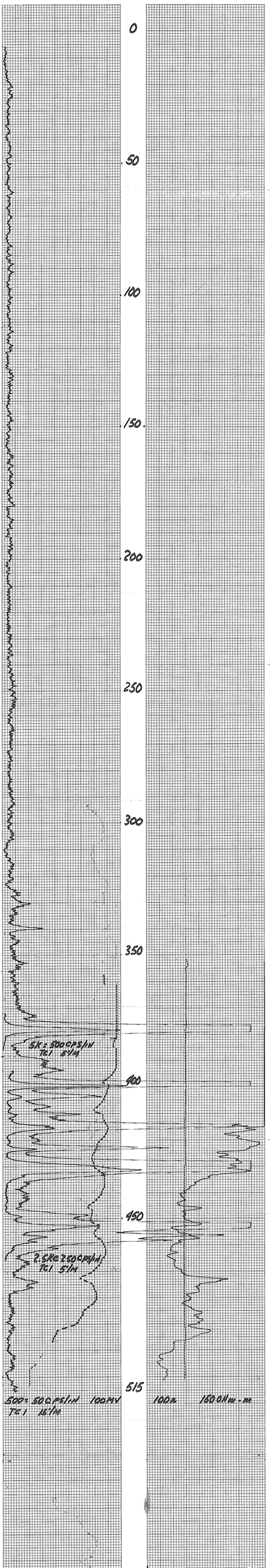


MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM 37B
COUNTY	YAVAPAI	STATE ARIZONA	
GP.	1205323-UNJ 3658B-206 ~~1205432-UNJ 3658B-206~~	ELEV. 1948	
SEC.	TWP.	RGE.	
DATE	3/3/77		
DEPTH DRILLED	515		
DEPTH LOGGED	515		
FOOTAGE LOGGED	601		
HOLE DIAMETER	5 7/8		
WATER FACTOR			
RESISTIVITY	100	OHMS/INCH	150 OHMS-M
SELF POTENTIAL		M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	466	386	
TOP	394	372	
TOTAL FEET	72	14	
SCALE RUN	2.5K=250CPS/IN	5K=500CPS/IN	

GAMMA SCALE	500=500CPS/IN
PROBE TYPE	POINT.
K-FACTOR	5.70X10-5
DEAD TIME	7.1μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	MARK BOYAS BROS.
CONTRACTOR	
LAST A.E.C. PIT RUN	
FLUID LEVEL	915
REMARKS:	

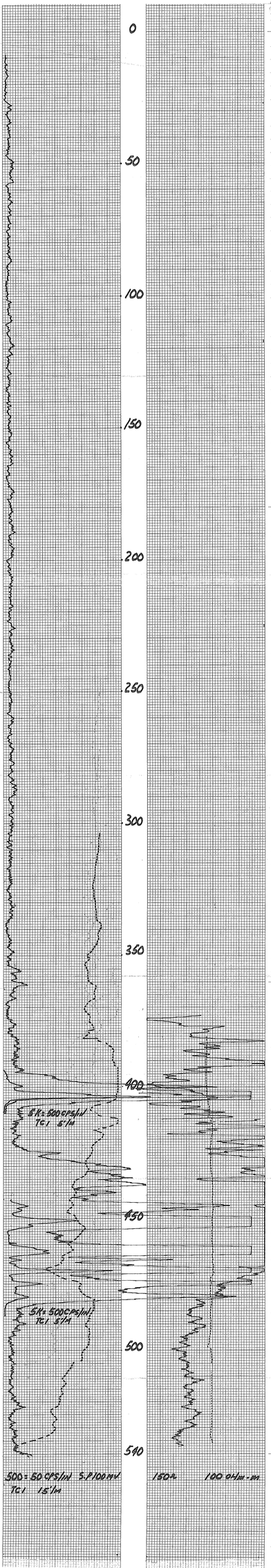


MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	1205 025-704 SC 133-35 1308.019.4N-6W,4100-2E	ELEV.	1974
SEC.		TWP.	RGE.
DATE	3-5-77		
DEPTH DRILLED	540		
DEPTH LOGGED	540		
FOOTAGE LOGGED	601		
HOLE DIAMETER	5 7/8		
WATER FACTOR	1.28		
RESISTIVITY	150	OHMS/INCH	100 OHM-M
SELF POTENTIAL	100	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	487	410	
TOP	443	393	
TOTAL FEET	44	17	
SCALE RUN	SR: 500CPS/IN	SR: 500CPS/IN	

HOLE NO.	AM 379
GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70X10.5
DEAD TIME	7.14μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETCHLINE
DRILLER	JIM
CONTRACTOR	BOYLES BROS.
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



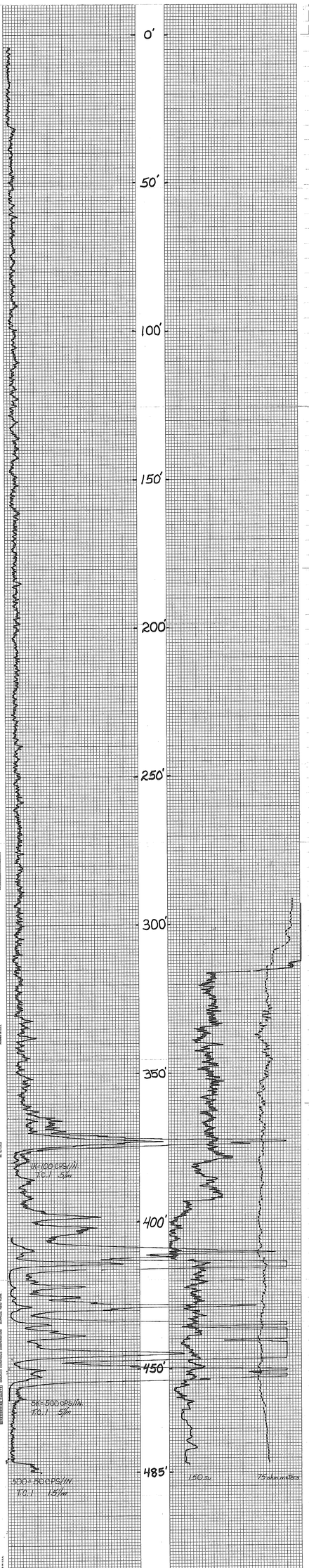
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-380

LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS/IN.
COUNTY	Yavapai STATE Ariz.	PROBE TYPE	SciNT.
GP. ~~1203100.4N 640,220.9E~~	ELEV. 1783	K-FACTOR	$5.7\ 10^{-5}$
		DEAD TIME	7.14 μ sec.
		TIME CONSTANT	1
SEC. 1205602.9N 86562.1E	TWP. RGE.	PROBE DIA.	1 5/8"
		CALIPER	
DATE	2/17/62	DIRECTIONAL SURVEY	
DEPTH DRILLED	485'	TEMPERATURE	
DEPTH LOGGED	485'	OPERATOR	Hudson
FOOTAGE LOGGED	555'	DRILLER	Church.
HOLE DIAMETER	5 7/8" to 320' 5 5/8" to 485'	CONTRACTOR	Roberts - Bayles
WATER FACTOR		LAST A.E.C. PIT RUN	
RESISTIVITY	150 OHMS/~~INCH~~ 75 ohmmeters	FLUID LEVEL	
SELF POTENTIAL	M.V./IN.	REMARKS:	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	460'	380'	
TOP	425'	365'	
TOTAL FEET	55'	15'	
SCALE RUN	5K=500CPS/IN.	1K=100CPS/IN.	

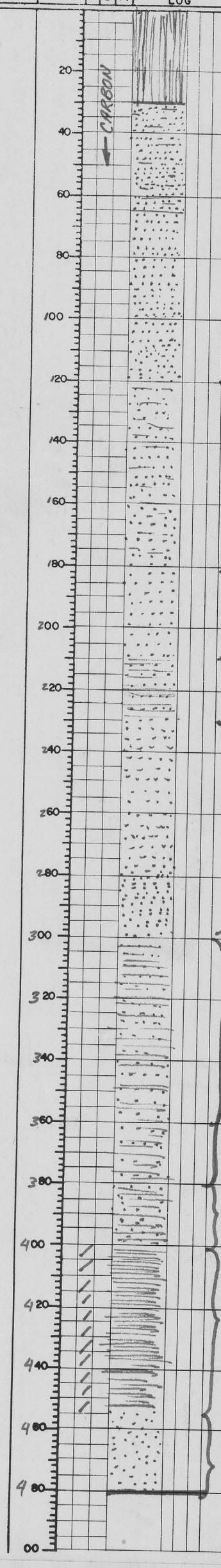


PROJECT ANDERSON MINE HOLE SIZE 5 5/8 ☐ AIR ☒ WATER HOLE NO. AM 371

ELEVATION 2008 NORTH 1,203,394.5 EAST 640,590.0 LOGGED BY LUCHT DATE 3/5/77

SECTION 10 TOWNSHIP 11 N RANGE 10 W T.D. 480 P.D. 475

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



BLACK BASALT (MALIPI)

RED, VERY FINE TO FINE SILTY SAND. ABUNDANTLY MICACEOUS. SOME V.C. LENSES. BAKED ZONE ~~of~~ FROM LAVA ABOVE OR PALEOSOIL. ARGILLACEOUS

BRIGHT YELLOWISH ORANGE TO TAN M - V.F. SAND.

LT TAN TO WHITE M - V.F. SD.

PINK TO M. RED M - V.F. SILTY SAND

M. RED - REDDISH BROWN, V.C. - M. SAND. POORLY SORTED, SLIGHTLY SILTY, HIGH POROSITY. - POSSIBLE WATER SAND.

M. RED, M. - V.F. SILTY SAND.

REDDISH BROWN, V.C. - M. SANDS. SLIGHTLY SILTY. HIGH POROSITY.

LT TAN, V.F. - F SILTY SAND. POORLY SORTED, VERY ARGILLACEOUS, LOW POROSITY. VERY MICACEOUS. ALMOST AN ARENACEOUS SILTSTONE

AS ABOVE, SILICIFIED

BLACK SILTSTONE, HIGHLY CARBONACEOUS, LOW POROSITY. SOME PARTS SILICIFIED. RADIOMETRICS: 440-447 (APPROX)

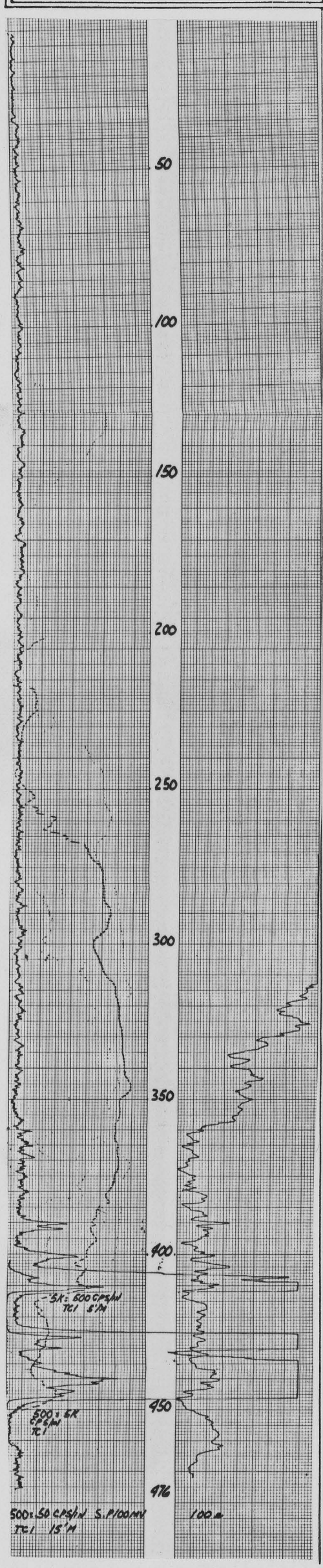
MAROON, M - V.F. VOLCANIC SAND W/ SOME BLACK BASALTS.

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 371

ELEVATION 2008 NORTH 1,203,394.5 EAST 640,590.0 LOGGED BY C ZH DATE 3-5-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 480 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, Dk Gry

Cgl, Red Brn, Bake Zone, Granitic

Cgl, Pink Brn to Butt, Sndy Granitic

Cgl + SS, Lt Tan to Tan, Granitic

Sltst, Tan to Grn Tan

Sltst, Grn, Bentonitic

silicified Sltst, Grn, w/ Gry Grn Sub Chert

Very silicified + Slty

Carbonaceous Sltst + Lignite, Dk Gry to Blk, silicified, Calc, w/ Brn Calc Tuff

Andesitic Volcanics Red Brn to Gry Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1203,394.5N-640,590.0 ELEV. 2008

SEC.	TWP.	RGE.

DATE	3-5-77
DEPTH DRILLED	480
DEPTH LOGGED	476
FOOTAGE LOGGED	519
HOLE DIAMETER	5 5/8
WATER FACTOR	1.22
RESISTIVITY	100 OHMS/INCH
SELF POTENTIAL	100 M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	450	476	
TOP	421	462	
TOTAL FEET	29	14	
SCALE RUN	SK=500CPS/IN	SK=500CPS/IN	

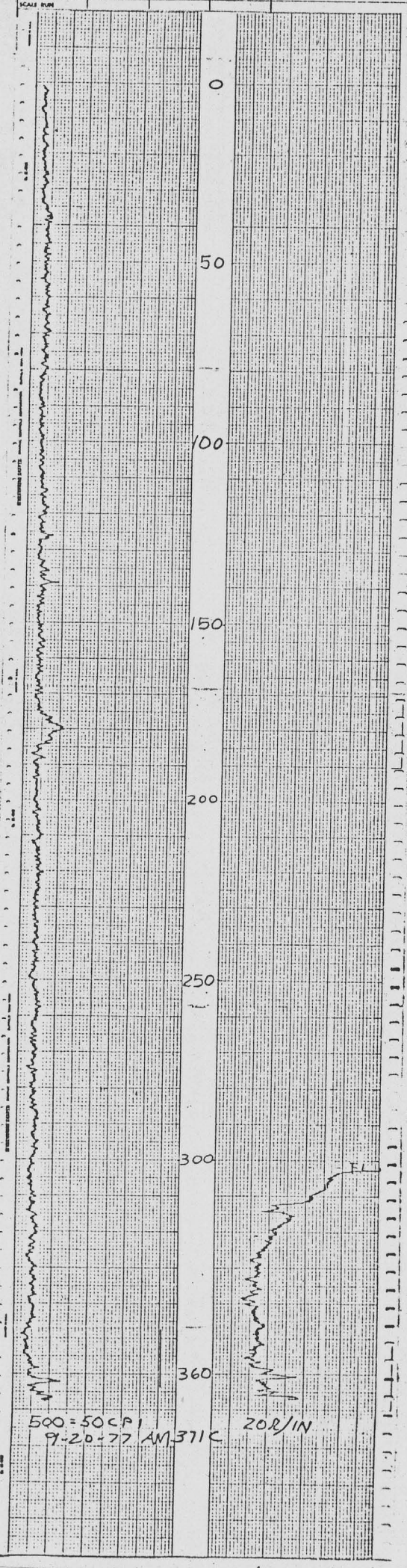
HOLE NO.	AM 371
GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70x10-5
DEAD TIME	7.19 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

MINERALS EXPLORATION CO. RELOG

CASPER, WYOMING

HOLE NO. AM 371C

LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPI
COUNTY	YAVAPAI STATE AZ	PROBE TYPE	SCINT
GP.	ELEV.	K-FACTOR	5.12E-5
		DEAD TIME	7.5 μsec
SEC.	TWP. RGE.	TIME CONSTANT	1 sec
DATE	9-20-77	PROBE DIA.	1 5/8"
DEPTH DRILLED	456	CALIPER	
DEPTH LOGGED	360	DIRECTIONAL SURVEY	
FOOTAGE LOGGED	360	TEMPERATURE	
HOLE DIAMETER	4"	OPERATOR	ERICKSON
WATER FACTOR	1.12	DRILLER	TALBOT
RESISTIVITY	20 OHMS/INCH	CONTRACTOR	BOYLES BROS
SELF POTENTIAL	10 M.V./IN.	LAST A.E.C. PIT RUN	
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	FLUID LEVEL	
BOTTOM		REMARKS:	
TOP			
TOTAL FEET			
SCALE RUN			



Page 1 of 2

PROJECT Anderson Mine | HOLE SIZE ____ | ☐ AIR ☑ WATER | HOLE NO. AM 372

ELEVATION 1996 | NORTH 1,203,196.1 | EAST 640 608.9 | LOGGED BY C ZH | DATE 2-15-77

SECTION ____ | TOWNSHIP ____ | RANGE ____ | T.D. 520 | P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Basalt, DK Gry
						Cgl, Red, Bake Zone
						Cgl, V.Sndy to V. Crs, LT Tan to Tan, Granitic
						Sltst, Grn Tan
						Sltst, Grn, Silicified
						Sltst, Grn, Silicified, w/Wht Calc Tuff
						Sltst, Grn, Bentonitic, Silicified, Thin Intbds Lignite Vel Brn Chert
						Carbonaceous Sltst + Lignite, Gry to Blk, Silicified, w/ Brn Gry to Brn Calc Tuff.
						Silicified Sltst, Grn w/Grn Gry Sil Chert
						Sltst, Blu Grn, Silicified, w/Brn Chert
						Carbonaceous, Sltst + Lignite, DK Gry to Blk, Calc Silicified, w/ Brn Calc Tuff and Vel Brn Chert
						Sltst, Red Brn, Bentonitic, No Volcanic Frags,

AM372
1/2

Page 2 of 2

PROJECT Anderson Mine | HOLE SIZE ____ | ☐ AIR ☑ WATER | HOLE NO. AM 372

ELEVATION 1996 | NORTH 1,203,196.1 | EAST 640,608.9 | LOGGED BY C ZH | DATE 2-15-77

SECTION ____ | TOWNSHIP ____ | RANGE ____ | T.D. 520 | P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Sltst Grn to Pale Grn, Bentonitic
						Andesitic Volcanics, Red Brn to Gry Brn

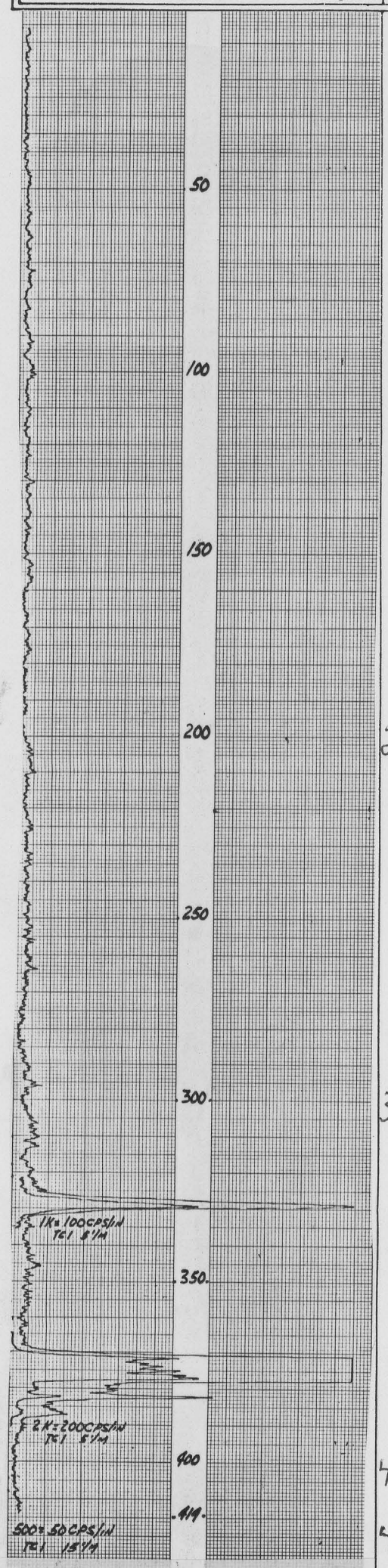
AM372
2/2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 373

ELEVATION 2028 NORTH 1,203,784.7 EAST 640,176.4 LOGGED BY CZH DATE 3-4-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, DK Gry

Cgl, Brn, Granitic, Sndy, Slty

Lost Circulation, No Samples

Carbonaceous Sltst, Thin lignite Layers DKGry

Lost Circulation, No Samples

Silicified Sltst, Grn, w/Gry Grn sub Chert

Carbonaceous Sltst, DKGrn to DKGry, Silicified, Brn Calc Tuff, Carrotite?,

Sltst, Red, No Volcanics

Sltst Red Andesitic Volcanic Frags

MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 373
LOCATION ANDERSEN MINE		GAMMA SCALE	500 = 50CPS/IN
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. 1,203,784.7N-640,176.4E	ELEV. 2028	K-FACTOR	5.70 X 10-5
		DEAD TIME	7.14 μ
SEC.	TWP. RGE.	TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	3/4/77	CALIPER	
DEPTH DRILLED	420	DIRECTIONAL SURVEY	
DEPTH LOGGED	419	TEMPERATURE	
FOOTAGE LOGGED	452	OPERATOR	KESTRA/INC
HOLE DIAMETER	5 5/8	DRILLER	JIM
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	A/A - FOAM OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	390	335	
TOP	365	322	
TOTAL FEET	25	13	
SCALE RUN	2K = 200CPS/IN	1K = 100CPS/IN	

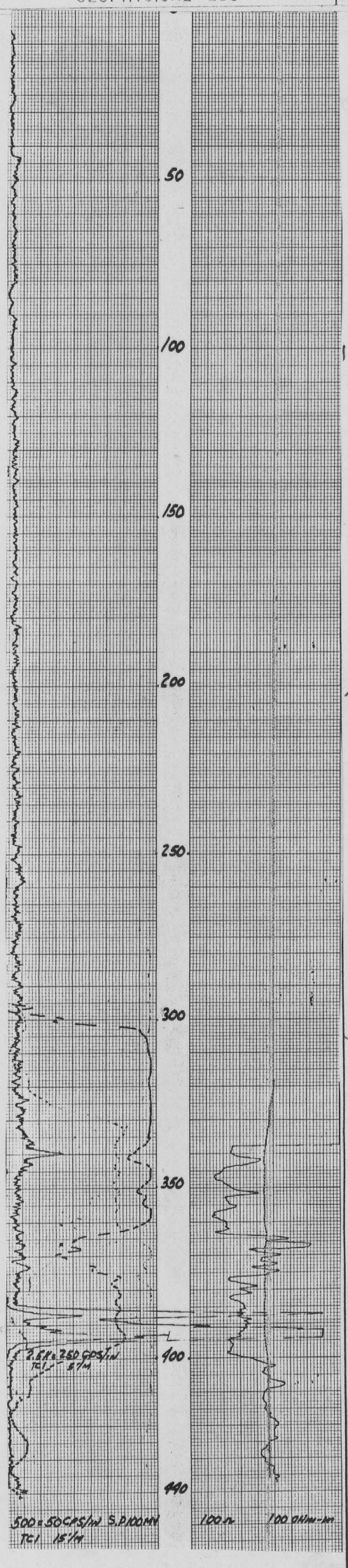
REMARKS:

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. Am 374

ELEVATION 2019 NORTH 1,203,596.9 EAST 640,226.9 LOGGED BY CZH DATE 3-3-77

SECTION TOWNSHIP RANGE T.D. 440 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, DK Gry

Red Brn
Cgl, Pink Brn, Granitic, Sndy, Slty

Cgl, Wht, As Above
Cgl, Tan, As Above

Cgl, Wht, " "

Cgl, Granitic Tan Slty Sndy

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSON MINE
COUNTY YAVAPAI STATE ARIZONA
GP. 1,203,596.9N-640,226.9E ELEV. 2019
SEC. TWP. RGE.

DATE	3/3/77		
DEPTH DRILLED	440		
DEPTH LOGGED	440		
FOOTAGE LOGGED	458		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.72		
RESISTIVITY	100	OHMS/INCH 100 OHM-M	
SELF POTENTIAL	100	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	400		
TOP	382		
TOTAL FEET	18		
SCALE RUN	2.5K x 250 GPS/IN		

HOLE NO.	AM 374
GAMMA SCALE	500 x 50 CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70 X 10-5
DEAD TIME	7.4 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	HERRALING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

Cgl, Sndy, Slty, Tan Brn, Granitic

Sltst, Tan

Wht Calc Tuff

Sltst, Grn, Bentonitic

Carbonaceous Sltst, DK Grn to Gry Silicified

Silicified Sltst, Grn, W/Grn Gry Sub Chert and Traces of Brn Chert

Lignite + Carbonaceous Sltst Blk to DK Gry

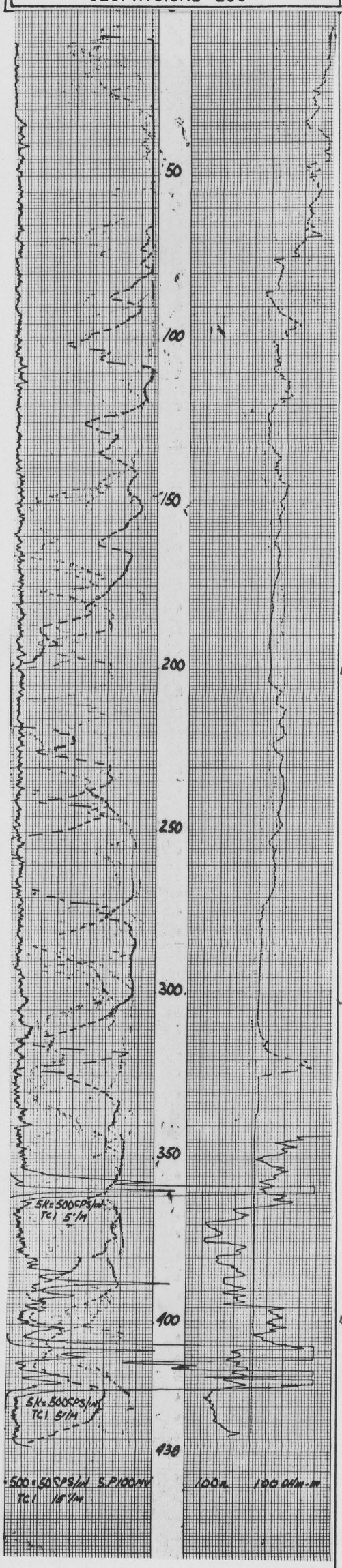
Andesitic Volcanics

PROJECT Anderson Mine HOLE SIZE _____ ☐ AIR ☑ WATER HOLE NO. AM 375

ELEVATION 2005 NORTH 1,203,398.6 EAST 640,208.0 LOGGED BY CZH DATE 3-6-77

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 440 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



20 40 60 80 100 20 40 60 80 200 20 40 60 80 300 20 40 60 80 400 20 40 60 80

Basalt, DK Gry

Cgl, Sndy, Brn, Bake Zone

Cgl, Sndy, Lt Tan to Tan, Granitic

Cgl, sndy, Tan to Brn, Granitic

sltst, Tan

sltst, Grn, silicified, Vel Brn Chert, Grn sub-Chert

Lignite + Vel Tan sltst, Tan Grn,

sltst Grn silicified Bentonite Layers

Carbonaceous sltst + lignite DK Gry to Blk, Calc W/ Calc Tuff + Some silicified sltst silicified

Andesitic Volcanics, Red Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1,203,398.6N-640,208.0 ELEV. 2005

SEC. TWP. RGE.

DATE	3-6-77		
DEPTH DRILLED	440		
DEPTH LOGGED	438		
FOOTAGE LOGGED	473		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	100	OHMS/INCH 100 ohm-in	
SELF POTENTIAL	100	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	425	366	
TOP	403	353	
TOTAL FEET	22	13	
SCALE RUN	SR=500CPS/in	SR=500CPS/in	

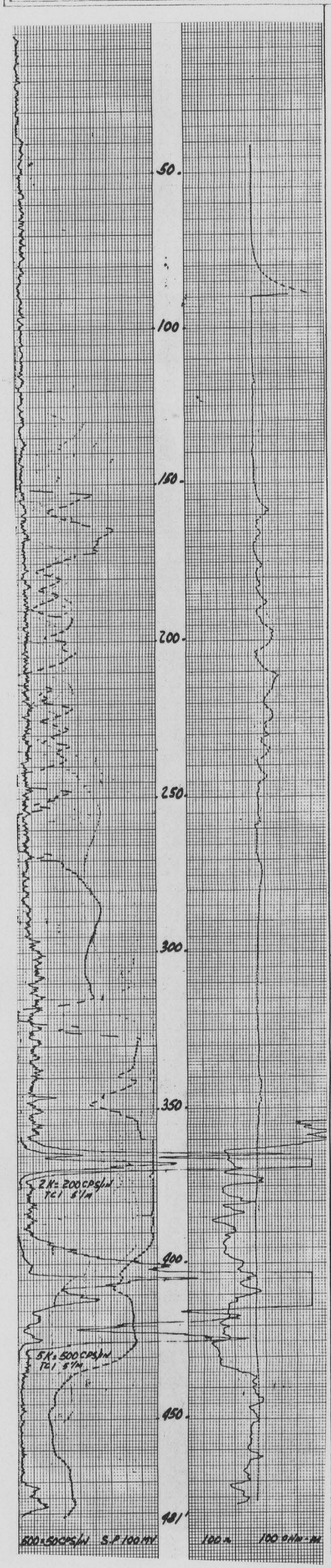
HOLE NO.	AM 375
GAMMA SCALE	500=50CPS/in
PROBE TYPE	SCINT
K-FACTOR	5.70×10^{-5}
DEAD TIME	7.19 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Rittenberg
DRILLER	Jim
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. AM 376

ELEVATION 2006 NORTH 1,203,399.5 EAST 640,418.0 LOGGED BY CZH DATE 3-2-77

SECTION TOWNSHIP RANGE T.D. 480 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, Dk Gry

Cgl, Sndy, Red Brn

Cgl, Sndy, Granitic, Tan

Cgl Sndy Silty (Powdery) Granitic, Wht Tan

Cgl, Silty Sndy Tan

Siltst, Brn

Cgl, Tan to Brn, Granitic, Sndy

Siltst, Tan

Siltst, Grn, W/Wht Calc Tuff, Silicified, Red Brn Chert

Lignite + Silicified Siltst, Blk + Grn, Lt Grn + Gry Grn Sub-Chert

Silicified Siltst, Grn, Lt Grn + Gry Grn Sub-Chert,

Lignite + Carb Siltst, Blk, Calc W/ Brn Calc Tuff Silicified

Lignite + Andesitic Volcanics, Gry, Along Fault?

Andesitic Volcanics Red Brn to Gry Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1,203,399.5N-640,418.0 ELEV. 2006

SEC. TWP. RGE.

DATE	3/2/77		
DEPTH DRILLED	480		
DEPTH LOGGED	481		
FOOTAGE LOGGED	538		
HOLE DIAMETER	5/8		
WATER FACTOR	1.22		
RESISTIVITY	100	OHMS/INCH 100 OHM-IN	
SELF POTENTIAL	100	M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	931	376	
TOP	391	359	
TOTAL FEET	90	17	
SCALE RUN	5K=500CPS/IN	2K=200CPS/IN	

HOLE NO.	AM 376
GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70X10-5
DEAD TIME	7.19 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

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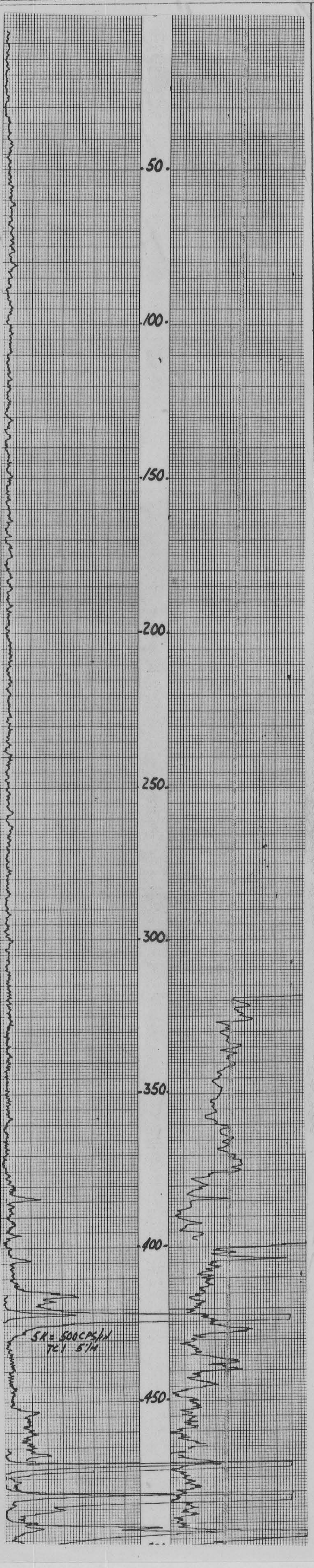
PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 377

ELEVATION 1989 NORTH 1,202,998.4 EAST 640,775.6 LOGGED BY CZH DATE 2-23-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 580 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, DK Gry

Cgl Lt Tan to Brn Granitic

Cgl, Lt Tan, Granitic

Cgl, Sndy, Slty, Brn

Sltst, Tan, Sndy

Sltst, Pale Grn to Grn, W/Wht calc Tuff, Bentonitic

Carbonaceous Sltst, DK Grn to Gry, Silicified, Calc

Silicified Sltst, Gry Grn, W/Grn + Gry Grn Sub-Chert

Sltst, Grn, Bentonitic, Silicified

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

AM 377
1 of 2

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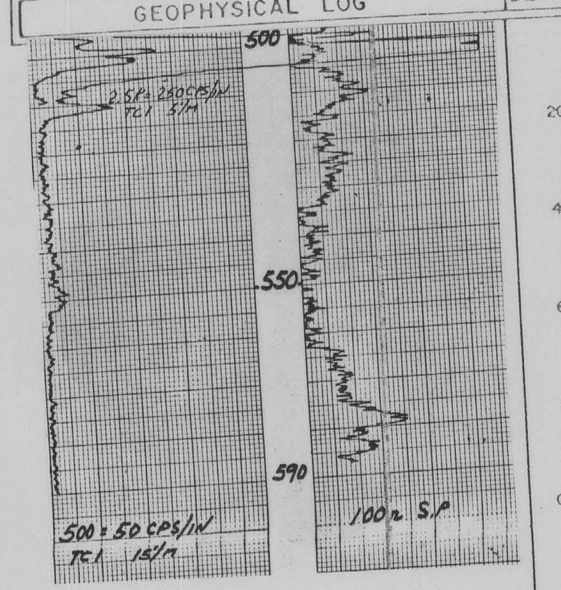
PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 377

ELEVATION 1989 NORTH 1,202,998.4 EAST 640,775.6 LOGGED BY CZH DATE 2-23-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 580 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Carbonaceous Sltst + Lignite, DK Gry to Blk, Silicified W/Brn Calc Tuff,

Sltst, Yel Brn

Sltst, Red Brn,

Sltst, Red, Volcanic Frags Gry Brn to Red Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE			HOLE NO.	AM 377
COUNTY	YAVAPAI	STATE	ARIZONA	GAMMA SCALE	500=50CPS/IN
GP. 1,202,998.4N-640,775.6E		ELEV.	1989	PROBE TYPE	SCINT.
SEC.	TWP.	RGE.		K-FACTOR	5.70x10-5
DATE	2-28-77			DEAD TIME	7.19 µ
DEPTH DRILLED	590			TIME CONSTANT	1
DEPTH LOGGED	590			PROBE DIA.	1 5/8
FOOTAGE LOGGED	660			CALIPER	
HOLE DIAMETER	5 5/8			DIRECTIONAL SURVEY	
WATER FACTOR	1.22			TEMPERATURE	
RESISTIVITY	100	OHMS/INCH		OPERATOR	KETTERING
SELF POTENTIAL	–	M.V./IN.		DRILLER	JIM
	1ST. RUN	2ND. RUN	3RD. RUN	CONTRACTOR	UNIVERSAL
RERUNS				LAST A.E.C. PIT RUN	
BOTTOM	519	431		FLUID LEVEL	
TOP	465	415		REMARKS:	
TOTAL FEET	54	16			
SCALE RUN	2.5K=250CPS/IN	5K=500CPS/IN			

AM
2/2

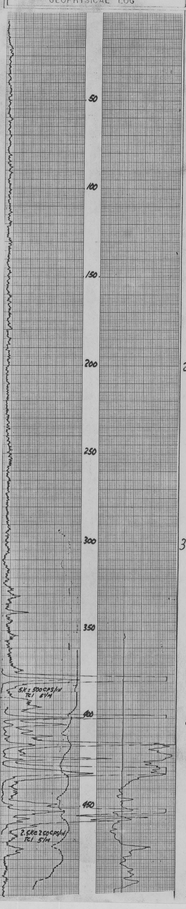
Page 1 of 2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 378

ELEVATION 1948 NORTH 1,202,960.4 EAST 640,191.0 LOGGED BY C ZH DATE 3-3-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 515 P.D. ____

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



- Basalt, DK Gry
- Cgl, Sndy, Red Brn, Bake Zone
- Cgl, Tan, Sndy, Granitic
- Cgl, Brn, Granitic
- Sltst, Grn
- Sltst, Tan to Brn
- Sltst, Grn, Bentonitic
- Silicified Sltst, Grn, w/Grn Gry Sub Chert, Red Brn + Brn Chert
- Sltst, Grn, Bentonitic
- Sub-Carbonaceous to Carbonaceous Sltst, DK Grn to Gry, Thin intbds of Pel Tan Calc Tuff
- Lignite, Blk, w/Grn Mineral, Non Calc, Silicified
- Carbonaceous sltst, DK Gry
- Lignite, Blk, Non Calc, Silicified
- Carbonaceous sltst, DK Grn to Lt Gry
- Lignite, Blk, Silicified, Non-calc, w/Trace Brn Calc Tuff
- Carbonaceous sltst, DK Gry to Grn, Thin intbds Lignitic material and DK Grn sltst
- Sltst, Grn Bentonitic
- SS, Tan Grn, Fine to Med, Subrnd,

AM 378 1 of 2

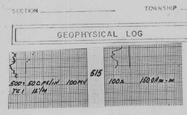
Page 2 of 2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 378

ELEVATION 1948 NORTH 1,202,960.4 EAST 640,191.0 LOGGED BY C ZH DATE 3-3-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 515 P.D. ____

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



- SS, Tan Grn, Fine to Med, Sub rnd
- Andesitic Volcanics, Red Brn

AM 378 2 of 2

MINERALS EXPLORATION CO.

CASPER, WYOMING			HOLE NO. AM 378
LOCATION SW/4 SE/4 SEC 34			BARREL SIZE 5 1/2 BOTTOM
COUNTY SWEETWATER	STATE WYOMING		BIT TYPE Short
			BIT SIZE 5 1/2 x 8
GP. LOCE/NW-SW-SE/4 SEC 34	BLOCK 17		DATE TIME 1 HR.
			TIME CONTROL
DIL	MIN.	MAX.	TRIPS NO. 18
DATE	3/3/77		CASING
DEPTH DRILLED	515		CASING SET AT DEPTH
DEPTH LOGGED	515		CONTRACTOR
PRESENT LENGTH	515		OPERATOR Wyoming Mine
MUD FLUSHING	1/3/78		DRILLER Mike
WATER TUTTER			DRILLER NO. Andy Bob
MUD WEIGHT	NO	DRAINING 150 Gallons	CORE BARREL NO.
MUD PROPERTIES		4.5 Lb.	CORE CUTTER NO.
MEASURE	OD MIN.	OD MAX.	REMARKS
BOTTOM	4.5	4.5	
TOP	4.5	4.5	
TOTAL MIN	4.5	4.5	
TOTAL MAX	4.5	4.5	

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 379

ELEVATION 1974 NORTH 1,203,019.4 EAST 640,400.2 LOGGED BY C.H. DATE 3-5-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Basalt, Dk Gry
						Cgl, Red Brn, Bake Zone?, Granitic
						Cgl, Lt Tan, Granitic, Crs to U. Crs
						Cgl, Tan, Granitic, Crs
						SS Cgl, Brn, Med to U. Crs, Granitic
						Sltst, Tan to Brn
						Sltst, Grn, Trace silicification
						Silicified sltst, Grn w/ Gn Gry Brn + Red Brn Chert Calc
						Mdst, Grn to DK Grn, Bentonitic, Trace Carb, Non-Calc
						Carbonaceous sltst, DK Gry, Silicified Brn Chert, Calc
						SS, Tan, Med, Mod to hrd, Sil Ang, Hem Stain
						Silicified sltst, Grn, Gry + Lt Brn Chert, Bentonitic layers
						Mdst, DK Grn, Sub Carb, Non-Calc
						Carbonaceous sltst + Lignite, DK Gry to Blk, Silicified Calcareous, w/ Brn Calc Tuff + Thin Intbds of Grn Mdst
						Sltst/Mdst DK Grn, Sub Carb, Non-Calc
						Mdst, Vel Tan, Bentonitic

AM 379 1 of 2

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 379

ELEVATION 1974 NORTH 1,203,019.4 EAST 640,400.2 LOGGED BY C.H. DATE 3-5-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Mdst, Vel Tan, Bentonitic
						Mdst/Sltst, Red, No Volcanics
						Sltst, Vel Tan, W/ mottled Red Sltst, No Volcanics
						Andesitic Volcanic Frags Rel Brn to Gry Brn

AM 379 2/2

MINERALS EXPLORATION CO.

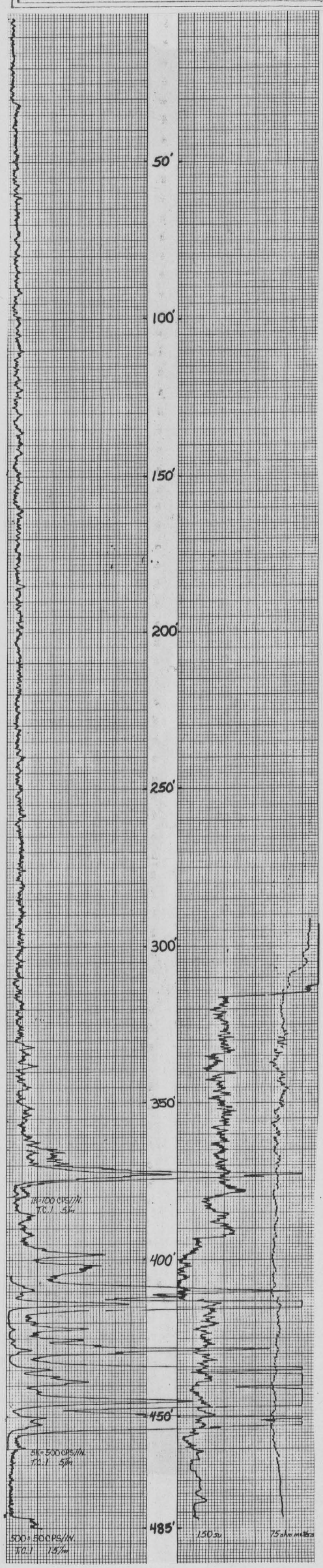
GEOPHYSICAL INTERPRETATION		HOLE NO.	AM 379
LOCATION ANDERSON MINE		GAMMA SCALE	200-1000 CPM
		MAGS TYPE	200 nT
COUNTY YAVAPAI	STATE ARIZONA	RESISTOR	1 Ohm-F
GR. LONGITUDE-ELEVATION-E	BOR. ITEM	SPONT. POT.	5 Mv
		SPD. CONTROL	1
DIL		PROBE DIA.	1.69
DATE 3-7-77		CASING	
DATE STARTED 8:45		ADDITIONAL REPORT	
DATE COMPLETED 9:15		OPERATOR	W. BEALES
DRILLER FOREMAN 1.15		DRILLER	Jack
DRILL MASTER 1.25		CONTRACTOR	WILDCAT DRILL
DIAMETER 1.50	DIRECTION FROM BORE-LINE	BIT SIZE IN MM	
BIT INTERVAL 1.50	D.D.H.	CORE DIA.	
DEPTH	FT. MM.	DIA. MM.	DIA. MM.
BIT	1.51	1.50	
BIT	1.50	1.51	
TOTAL FEET	54		
CORE FEET	SEE BOOKLET FOR RECORDS		
		REMARKS	

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. AM 380

ELEVATION 1983 NORTH 1,203,180.9 EAST 640,220.9 LOGGED BY CZH DATE 2-17-77

SECTION TOWNSHIP RANGE T.D. 485 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, DK Gry

Cgl, Red Pink, W/ Volcanic Frags, Bake Zone

Cgl, Crs to V. Crs, Lt Tan, Granitic

Sltst, Tan

Sltst, Tan Grn, W/ Wht Calc Tuff

Sltst, Grn, Silicified, Calc, Yel Brn chert

Sltst, Lt Grn, Bentonitic

Carbonaceous Sltst, Gry, Silicified, Calc, W/ Intbdd Grn Bentonitic sltst.

Sltst, Grn, Bentonitic, W/ Intbdd Gry Carb sltst and Blk Lignite,

Lignite + Carbonaceous Sltst, Blk to Dk Gry Sub. Calc to Calc, Silicified

Andesitic Volcanic, Red Brn

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSON MINE		
COUNTY	Yavapai	STATE	ARIZ.
GP. 1,203,180.9N-640,220.9E		ELEV.	1983
SEC.	TWP.	RGE.	
DATE	2/17/77		
DEPTH DRILLED	485'		
DEPTH LOGGED	485'		
FOOTAGE LOGGED	555'		
HOLE DIAMETER	5⅞" to 320' 5⅝" to 485'		
WATER FACTOR			
RESISTIVITY	150 OHMS/[illegible] 75 ohmmeters		
SELF POTENTIAL	M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	460'	380'	
TOP	405'	365'	
TOTAL FEET	55'	15'	
SCALE RUN	5K=500 CPS/IN.	1K=1000 CPS/IN.	

HOLE NO.	AM-380
GAMMA SCALE	500=500 CPS/IN.
PROBE TYPE	ScinT
K-FACTOR	$5.7^{10^{-8}}$
DEAD TIME	7.14 μ sec.
TIME CONSTANT	1
PROBE DIA.	1⅝"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Church.
CONTRACTOR	Roberts-Boyles
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	