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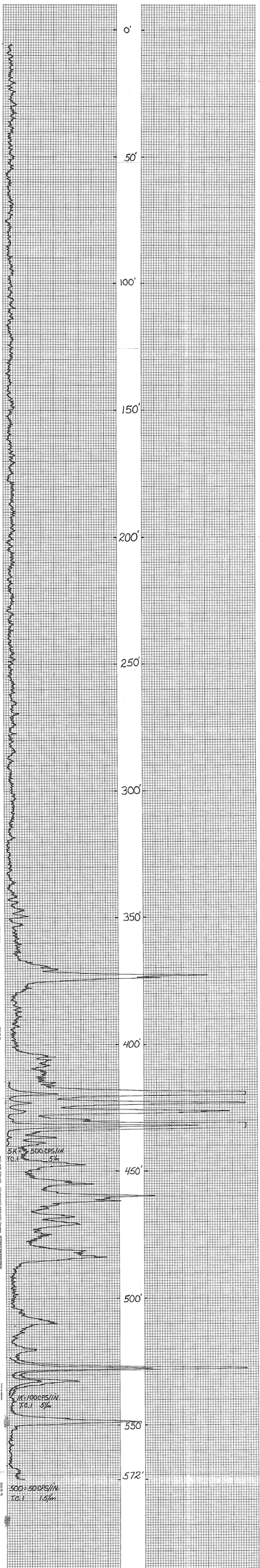
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO.	AM-381
LOCATION	ANDERSON MINE
COUNTY	YAVAPAI STATE ARIZ.
GP.	~~1202,578.01N 670,817.5E~~ ELEV. 1946
	1202 990.36N
SEC.	87 T13.3 R.6E T.W.P. RGE.
DATE	1-4-77
DEPTH DRILLED	580
DEPTH LOGGED	572
FOOTAGE LOGGED	612
HOLE DIAMETER	5⅝" to 580'
WATER FACTOR	
RESISTIVITY	OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	538'	1140'	
TOP	523'	415'	
TOTAL FEET	15'	25'	
SCALE RUN	1K=1000CPS/IN.	5K=500CPS/IN.	

GAMMA SCALE	500=500CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.7×10^{-5}
DEAD TIME	7.14 μsec
TIME CONSTANT	1
PROBE DIA.	1⅝"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Sharpe
CONTRACTOR	Robertis
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



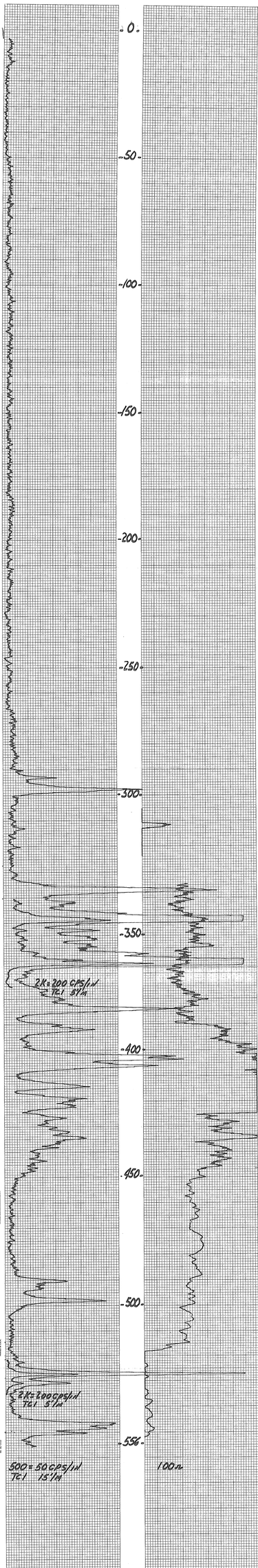
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP. ~~1,208,267.7N 614,667.0E~~ 1204735.09N 86933.53E		ELEV.	1881
SEC.		TWP.	RGE.
DATE	1-20-77		
DEPTH DRILLED	560		
DEPTH LOGGED	556		
FOOTAGE LOGGED	605		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	100	OHMS/INCH	
SELF POTENTIAL		M.V./IN.	
REELINS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	535	375	
TOP	521	340	
TOTAL FEET	14	35	
SCALE RUN	1K=100CPS/IN	2K=200CPS/IN	

HOLE NO. AM 382

GAMMA SCALE	500=50CPS/I
PROBE TYPE	SOINT.
K-FACTOR	5.70×10-5
DEAD TIME	7.14m
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	RUSS
CONTRACTOR	REID & S
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

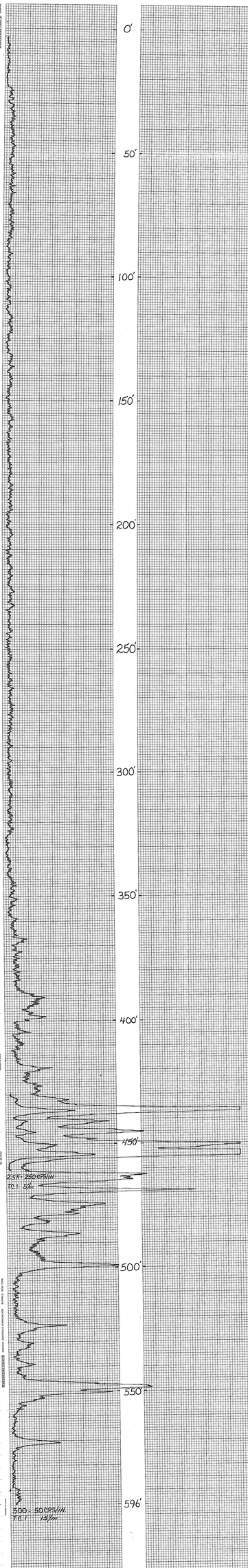


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-383

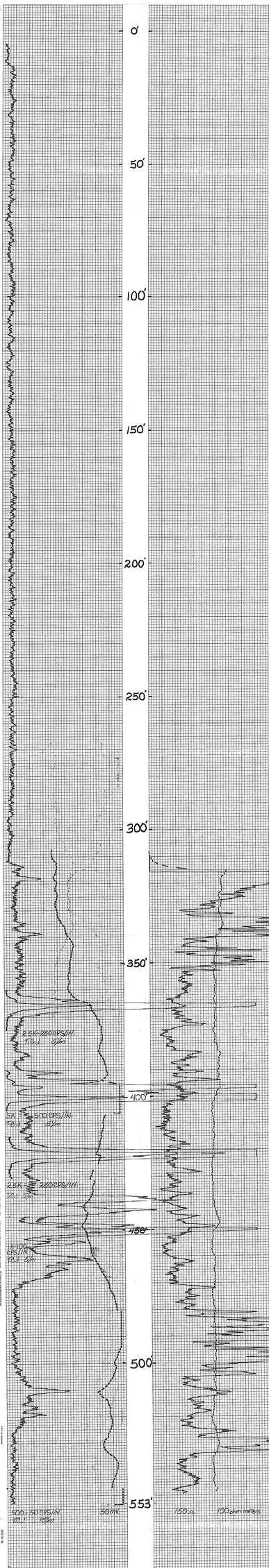
LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS/IN.
COUNTY	Yavapai STATE Ariz.	PROBE TYPE	SCINT
GP. ~~1208.50'FSL 810.45'FE~~ ELEV. 1957		K-FACTOR:	5×10^{-5}
1205022.37N		DEAD TIME	7.14 μ sec.
SEC. 36 T.7S. R.2E TWP.	RGE.	TIME CONSTANT	1
DATE	1-5-77	PROBE DIA.	1⅝"
DEPTH DRILLED	620'	CALIPER	
DEPTH LOGGED	596'	DIRECTIONAL SURVEY	
FOOTAGE LOGGED	626'	TEMPERATURE	
HOLE DIAMETER	5⅝" To 620'	OPERATOR	Hudson
WATER FACTOR		DRILLER	Sharpe
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	460'	REMARKS:	
TOP	430'		
TOTAL FEET	30'		
SCALE RUN	2.5K=250CPS/IN.		



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM-384
LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS/IN
COUNTY	YAVAPAI STATE ARIZ.	PROBE TYPE	SCINT.
GP. ~~1203,740 IN-C40,1813 E~~	ELEV. 1937	K-FACTOR	$5.7 \cdot 10^{-5}$
1205280.68N		DEAD TIME	7/4 μ sec.
SEC. 36 T15.5 R7E TWP.	RGE.	TIME CONSTANT	1
DATE	2/18/76	PROBE DIA.	1¾"
DEPTH DRILLED	560'	CALIPER	
DEPTH LOGGED	553'	DIRECTIONAL SURVEY	
FOOTAGE LOGGED	608'	TEMPERATURE	
HOLE DIAMETER	5⅞" TO 560'	OPERATOR:	Hudson
WATER FACTOR		DRILLER	Church
RESISTIVITY	150 OHMS/~~[illegible]~~ 100 ohm meters	CONTRACTOR	Roberts
SELF POTENTIAL	50 M.V./~~[illegible]~~	LAST A.E.C. FIT RUN	
		FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	455'	430'	405'	375'
TOP	445'	416'	390'	360'
TOTAL FEET	10'	15'	15'	15'
SCALE RUN	1K=100CPS/IN.	2.5K=250CPS/IN.	5K=500CPS/IN.	12.5K=2500CPS/IN



WILSON'S LOGGING COMPANY
GRANTS, NEW MEXICO

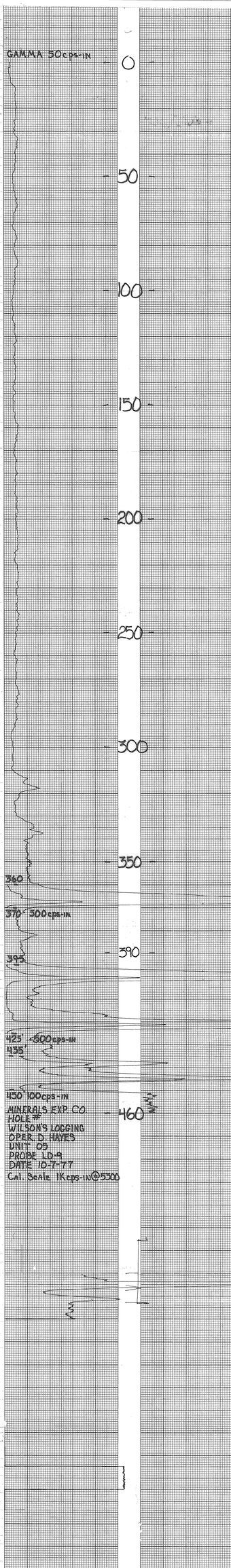
COMPANY: Minerals Exp. ~~MN-300C~~	COUNTY: Yavapai	STATE: Ariz.	OPERATOR: D. Hayes
DATE: 10-7-77	TOWNSHIP: 9	RANGE: 11N	RIG: 10W
	ELEVATION FROM: Ground Level		HOLE: LD-9
			UNIT: 05
			DRILL: 1.5
			DRILL: 3.0
			STARTED: 1.:
			TOTAL: 1900
			DATE: 2015

TYPE DRILLING:		CASING SIZE: 460	FT.	50	DIRECTION: Scout	341					
TYPE LOGGING:		460	FT.	2	DIP: 20	LD-9	1/16				
TOTAL PROFILE LENGTH:		460	FT.	1Kcps-IN	263	5300	5"				
APPROXIMATE FLUID:		62'									

SCALE:	100cps-IN	SCALE:	500 cps-IN	SCALE:	500cps-IN	SCALE:		SCALE:		SCALE:	
FT.	2 — 5	FT.	2 — 5	FT.	2 — 5	FT.		FT.		FT.	
TO:	435	TO:	395	TO:	360	TO:		TO:		TO:	
FROM:	450	FROM:	425	FROM:	370	FROM:		FROM:		FROM:	
TOTAL:	15'	TOTAL:	30	TOTAL:	10'	TOTAL:		TOTAL:		TOTAL:	

LOGGING SPEED: FT./MIN. — DEG. — FT./MIN. — DEG.

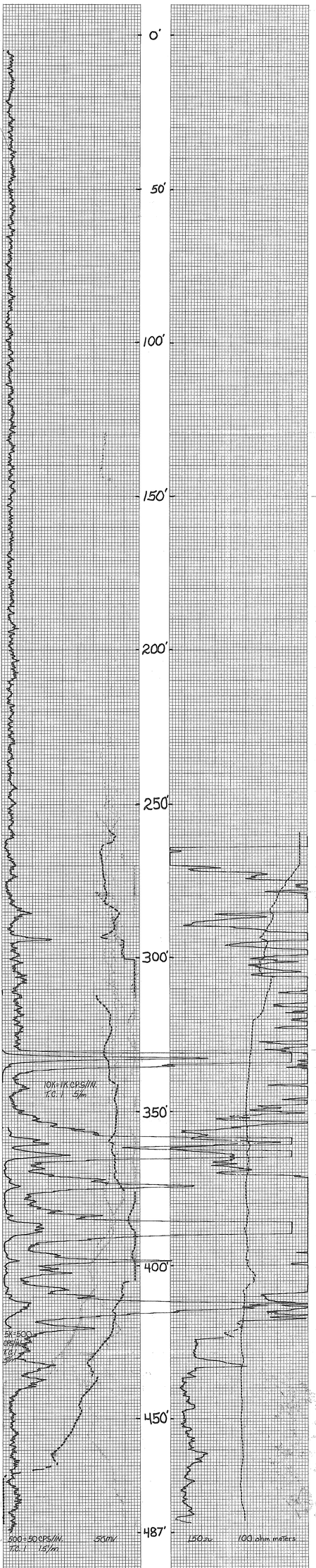
REMARKS CONCERNING HOLE: 1st Attempt REACHED 460, COULD NOT RETURN TO BOTTOM FOR RERUN, DRILL washed out hole, AND RELOGGED HOLE



MINERALS EXPLORATION CO.

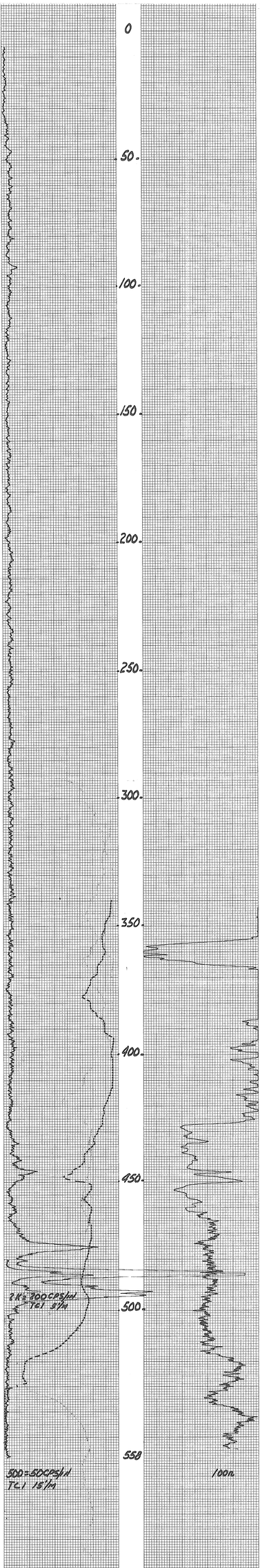
CASPER, WYOMING		HOLE NO.	AM-385
LOCATION	ANDERSON MINE	GAMMA SCALE	500=50 CPS/IN.
COUNTY	Yavapai STATE ARIZ.	PROBE TYPE	Scint.
GP.	~~1,202,942.5N 640,088.2 E~~ 1205367.33 N ELEV. 1911	K-FACTOR	5.7×10^{-5}
		DEAD TIME	7.14 μsec.
		TIME CONSTANT	1
SEC.	86424.92E TWP. RGE.	PROBE DIA.	1⅝"
DATE	2/21/77	CALIPER	
DEPTH DRILLED	490'	DIRECTIONAL SURVEY	
DEPTH LOGGED	487'	TEMPERATURE	
FOOTAGE LOGGED	562'	OPERATOR	Hudson
HOLE DIAMETER	5⅞" To 490'	DRILLER	Church
WATER FACTOR		CONTRACTOR	Roberts
RESISTIVITY	150 OHMS/~~INCH~~ 100 ohm meters	LAST A.E.C. PIT RUN	
SELF POTENTIAL	50 M.V./~~FT.~~	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	420'	340'		
TOP	355'	330'		
TOTAL FEET	65'	10'		
SCALE RUN	5K=500 CPS/IN.	10K=1K CPS/IN.		



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 386
LOCATION	ANDERSEN MINE	GAMMA SCALE	500=50CPS
COUNTY	YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. ~~1203004.1N 640,952.4E~~ 1205410.79N		ELEV. 2005	K-FACTOR	5.70 x 10-5
			DEAD TIME	7.14 μ
SEC. 27,28,29,32,33	TWP.	RGE.	TIME CONSTANT	1
			PROBE DIA.	1 5/8
DATE	3-1-77	CALIPER	
DEPTH DRILLED	560	DIRECTIONAL SURVEY	
DEPTH LOGGED	558	TEMPERATURE	
FOOTAGE LOGGED	571	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	499		
TOP	480		
TOTAL FEET	13		
SCALE RUN	2K=200CPS/IN		



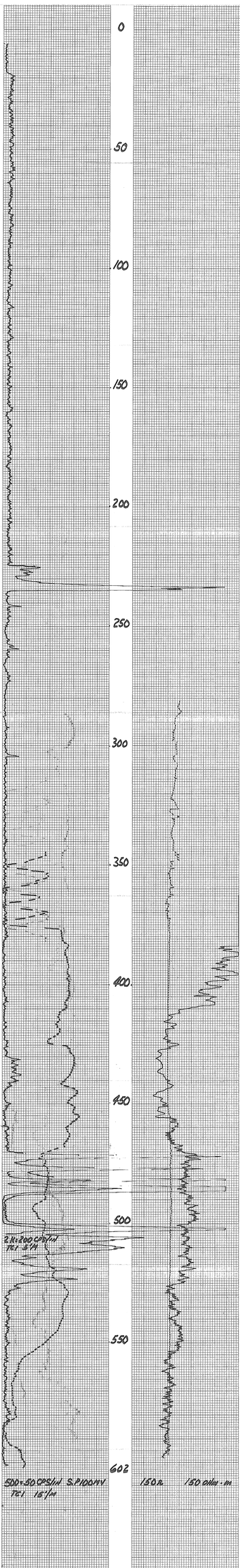
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION	ANDERSEN MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	2944.5 ~~1200 FSL~~	ELEV.	1979
SEC.	1305 210. 394 / 26 370. 08E	TWP.	RGE.

DATE	3-7-77		
DEPTH DRILLED	620		
DEPTH LOGGED	602		
FOOTAGE LOGGED	628		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.02		
RESISTIVITY	150 OHMS/INCH	150 ohm-m	
SELF POTENTIAL	100 M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	508		
TOP	478		
TOTAL FEET	26		
SCALE RUN	2.4+200CPS/in		

HOLE NO.	AM 387
GAMMA SCALE	500=50CPS/in
PROBE TYPE	SCINT.
K-FACTOR	5.70x10-5
DEAD TIME	7.1 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	RETERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



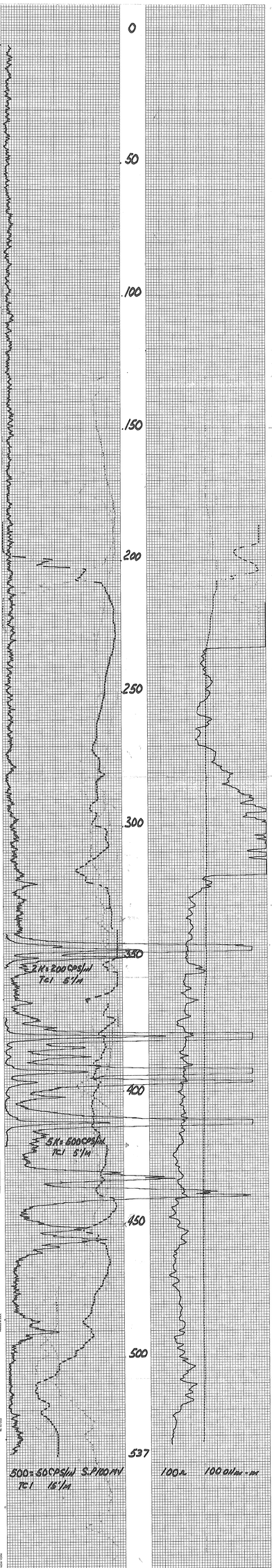
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 328

LOCATION ANDERSSN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. ~~1202,796.8N - 640,617.2~~ 1205211.84N	ELEV. 1908		
SEC. 36951.21E TWP.	RGE.		
DATE 3-7-77			
DEPTH DRILLED 540			
DEPTH LOGGED 537			
FOOTAGE LOGGED 598			
HOLE DIAMETER 5 5/8			
3R FACTOR 1.22			
RESISTIVITY 100	OHMS/INCH 100 ohm-m		
SELF POTENTIAL 100	M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	420	353	
TOP	372	340	
TOTAL FEET	48	13	
SCALE RUN	5K-500CPS/in 2K=200CPS/in		

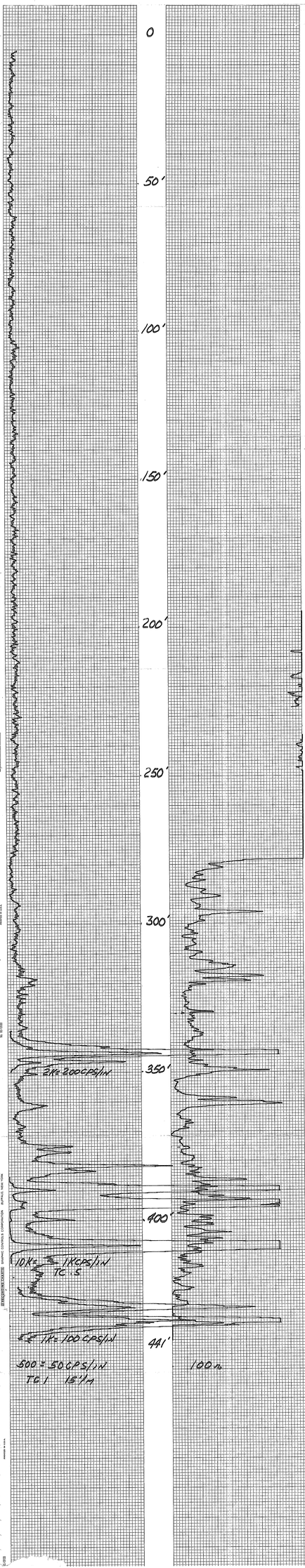
GAMMA SCALE	500=50CPS/in
PROBE TYPE	SCINT
K-FACTOR	5.70 x 10-5
DEAD TIME	7.19 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	NATURALING
DRILLER	J.M
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



MINERALS EXPLORATION CO.

CASPER, WYOMING		HOLE NO.	AM 388-C
LOCATION	ANDERSEN MINE	GAMMA SCALE	500 = 50 CPS/
COUNTY	YAVAPAI STATE ARIZ	PROBE TYPE	SCINT
GP.	ELEV.	K-FACTOR	5.96×10^{-5}
		DEAD TIME	7.52
		TIME CONSTANT	1
SEC.	TWP. RGE.	PROBE DIA.	1 5/8
DATE	10-19-77	CALIPER	
DEPTH DRILLED	444'	DIRECTIONAL SURVEY	
DEPTH LOGGED	441'	TEMPERATURE	
FOOTAGE LOGGED	503'	OPERATOR	KETTERLING
HOLE DIAMETER	4	DRILLER	
WATER FACTOR	1.10	CONTRACTOR	BOYLES BROS
RESISTIVITY	100 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	190'

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:
BOTTOM	441'	414	350	
TOP	422	385	336	
TOTAL FEET	19'	29'	14	
SCALE RUN	1K=100CPS/IN	10K=1KCPS/IN	2K=200CPS/IN	



MINERALS EXPLORATION CO.

CASPER, WYOMING

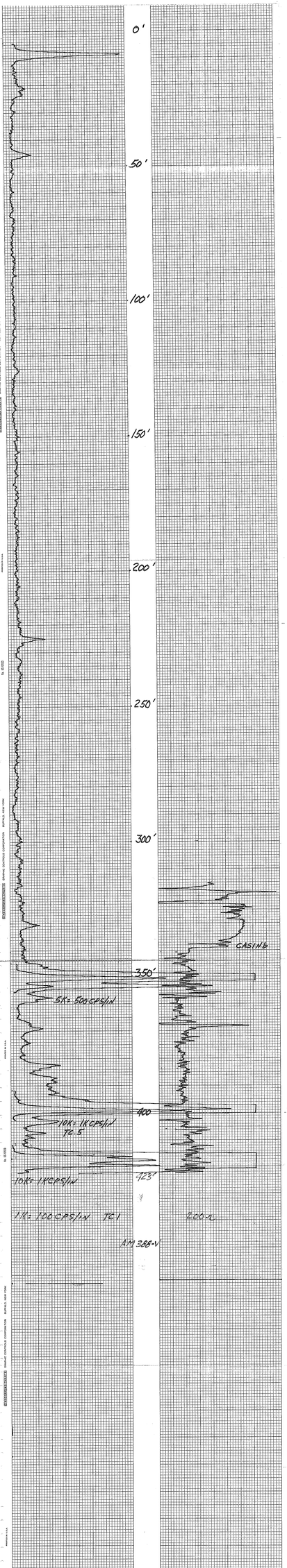
LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE	ARIZ.
GP.		ELEV.	
SEC.	TWP.	RGE.	

DATE	11-23-77
DEPTH DRILLED	425'
DEPTH LOGGED	423'
FOOTAGE LOGGED	455'
HOLE DIAMETER	6" TO 390' 5 5/8 TO 423'
WATER FACTOR	1.10
RESISTIVITY	200 OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	423	422	356
TOP	412	392	345
TOTAL FEET	11'	10'	11'
SCALE RUN	10K=1KCPS/in	10K=1KCPS/in	5K=500CPS/in

HOLE NO.	AM 388-V
GAMMA SCALE	1K=1000CPS/in
PROBE TYPE	SCINT
K-FACTOR	2.37X10-5
DEAD TIME	8.74 μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	
CONTRACTOR	VENTURE
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	6" PLASTIC CASING TO 390'

UNFILTERED PROBE



MINERALS EXPLORATION CO.

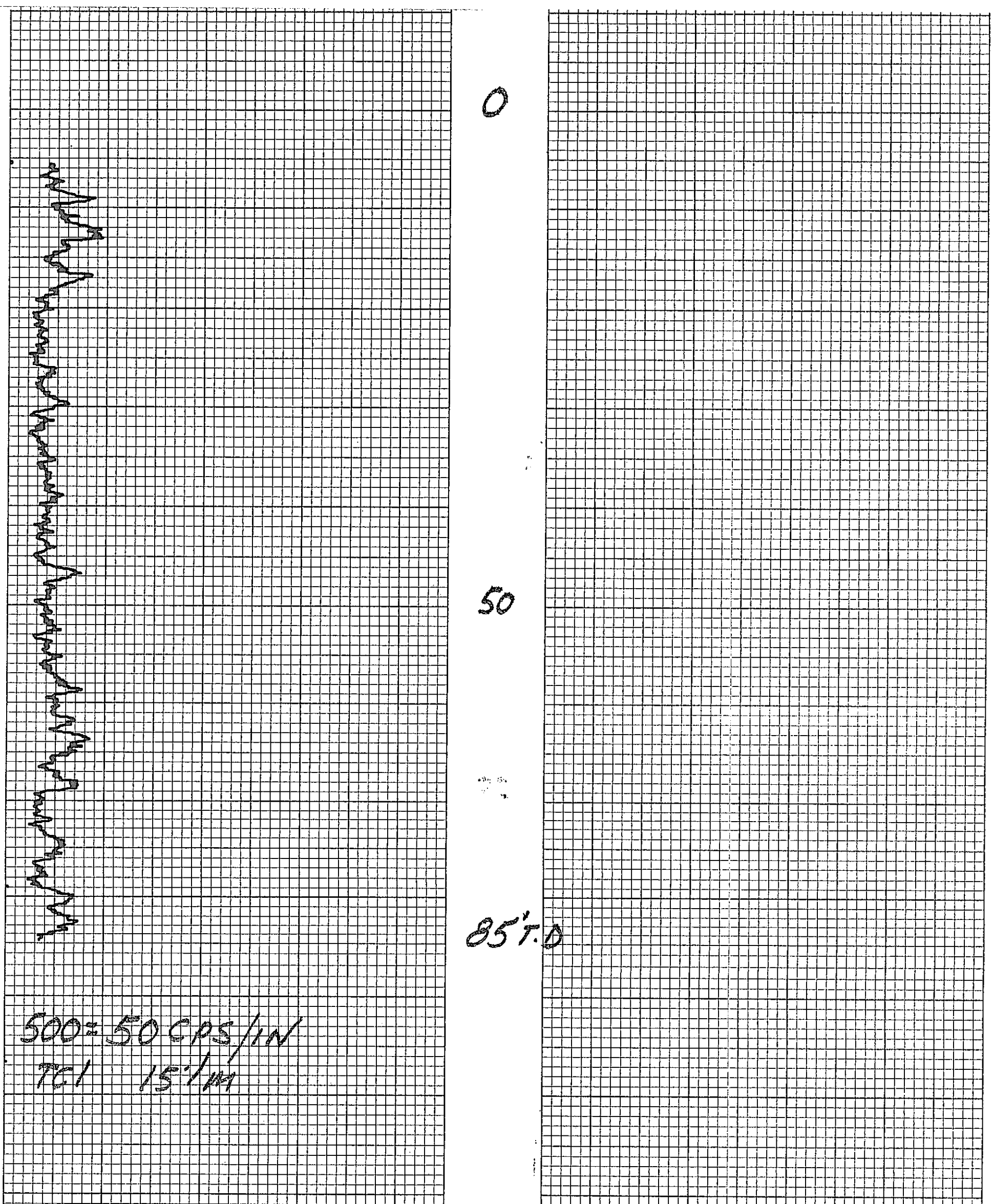
CASPER, WYOMING

HOLE NO. AM-389

LOCATION ANDERSEN MINE		GAMMA SCALE	500 = 50CPS/
COUNTY YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
GP. 1207299.54N 88377.96E	ELEV.	K-FACTOR	5.70X10-5
		DEAD TIME	7.19μ
		TIME CONSTANT	1
SEC.	TWP. RGE.	PROBE DIA.	1 5/8
DATE	DEC. 7, 76	CALIPER	
DEPTH DRILLED	80	DIRECTIONAL SURVEY	
DEPTH LOGGED	85	TEMPERATURE	
FOOTAGE LOGGED	85	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	JIM WILLIAMS
WATER FACTOR	DRY	CONTRACTOR	UNIVER
RESISTIVITY	OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

REMARKS:



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No. GC-13133

Century Geophysical Corporation
Tulsa, Oklahoma

~~1,203 796.8N - 640,435.4E~~ 86 787.21E
Elev. 1916

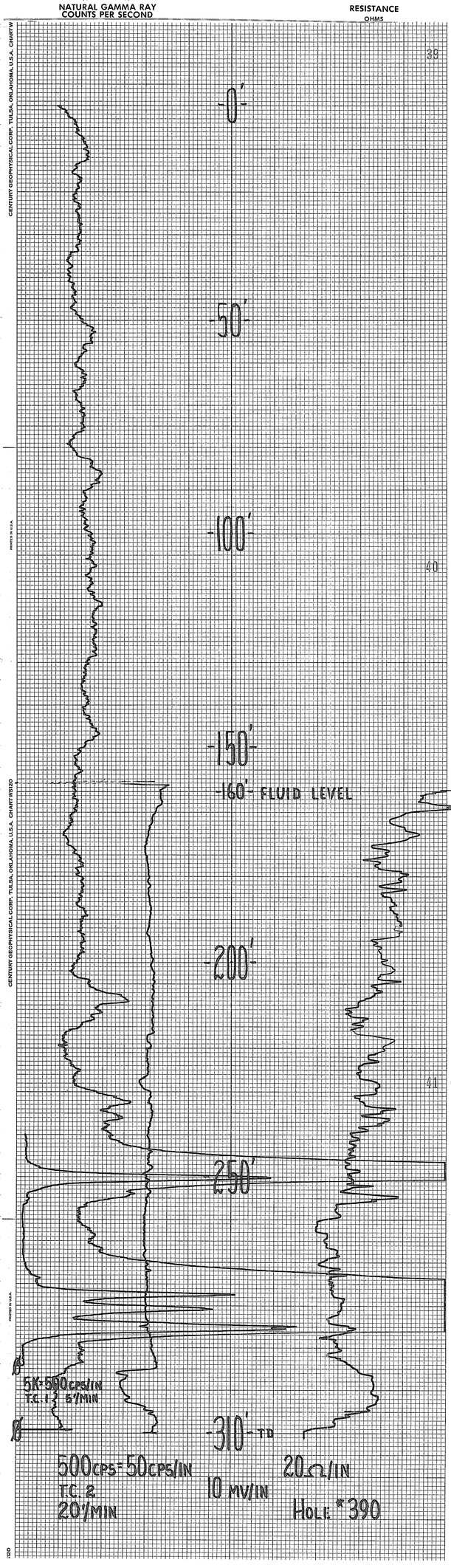
C-366-E

COMPANY	MINERALS EXPLORATION
BORE HOLE	AM # 390
	ANDERSON MINE
COUNTY	YAVAPAI
STATE	ARIZONA
SECTION	
TOWNSHIP	11N
RANGE	10W
LOG MEASURED FROM	GROUND LEVEL
HOLE NO.	
SEC.	
TWP.	
RANGE	
AREA	
COUNTY	
STATE	
COMPANY	
DATE	
TOTAL FOOTAGE LOGGED	365'
T.D. DRILLED	320' Ft.
BIT SIZE	5 5/8 In.
CASING	
BORE HOLE FLUID	H2O LEVEL - 160'
DENSITY	
VISCOSITY	
RESISTIVITY	
OPERATOR	JIM DONALD
UNIT NO.	7545
LOCATION	GRANTS
DRIVE	Hrs.
TIME IN	17:30
STAND BY	Hrs.
TIME OUT	18:30
LOGGING	1.0 Hrs.
TOTAL	1.0 Hrs.
ROUNDTRIP MILEAGE	Miles
CHARGEABLE STANDBY	Hrs.

INITIAL RUN		GAMMA RERUNS (Initial run effective)		
T.D. LOGGED	310'	SCALE	5K = 500 Cps. Per In.	SCALE = Cps. Per In.
GAMMA SCALE	500CPS - 50 Cps. Per In.	T.C.	1 Sec.	T.C. Sec.
		LOGGING SPEED	5 Ft./Min.	LOGGING SPEED Ft./Min.
TIME CONSTANT	2	FROM	295' Ft.	FROM Ft.
LOGGING SPEED	20 Ft./Min.	TO	240' Ft.	TO Ft.
CALIBRATION & PROBE DATA	2.5KCPS/IN TC 1	TOTAL	55'	TOTAL
SOURCE NO.	8-70-6			
SOURCE VALUE	4 mi			
PROBE NO.	8010-205			
PROBE SIZE	1 3/4 In.			
DETECTOR	XSTAL			
TYPE & SIZE	7/8 x 1 1/4			
DEAD TIME	0.00			
K FACTOR	1.59 x 10^-5			
WATER FACTOR	1.15			
AIR FACTOR	1.00			
RES. SCALE	100 ohms per 5 Inches			
S.P.	10 Mv/In.			

SELF POTENTIAL
- MV +
NATURAL GAMMA RAY
COUNTS PER SECOND

DENSITY
RESISTANCE
OHMS



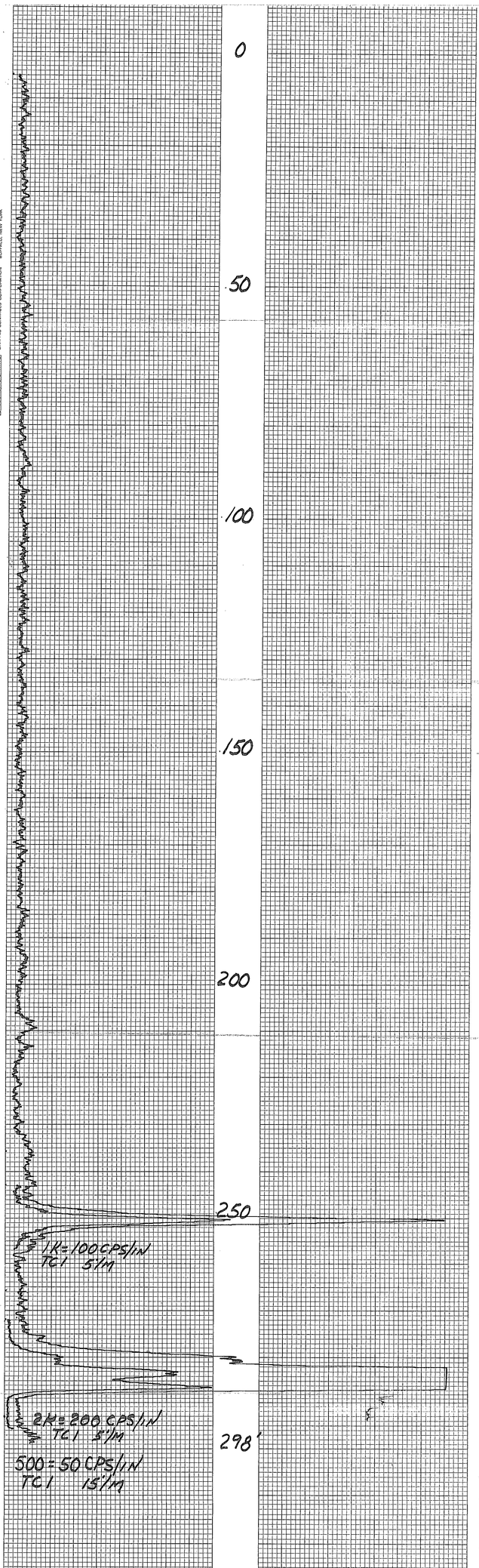
MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE		HOLE NO.	AM-390
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS
GP. ~~1,203,796.8N 640,435.4E~~	ELEV. 1916	PROBE TYPE	SCINT.
SEC. 1206 214.95N	TWP. 86 787.21E RGE.	K-FACTOR	5.70X10-5
		DEAD TIME	7.19
		TIME CONSTANT	1
		PROBE DIA.	1 5/8
DATE	DEC. 18, 76	CALIPER	
DEPTH DRILLED	300	DIRECTIONAL SURVEY	
DEPTH LOGGED	298	TEMPERATURE	
FOOTAGE LOGGED	335	OPERATOR	KETTERLING
HOLE DIAMETER	5 5/8	DRILLER	JIM
WATER FACTOR	1.22	CONTRACTOR	UNIVERSAL
RESISTIVITY	200 OHMS/INCH	LAST A.E.C. PIT RUN	
SELF POTENTIAL	M.V./IN.	FLUID LEVEL	

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	296	256	
TOP	272	243	
TOTAL FEET	29	13	
SCALE RUN	2K=200CPS/IN	1K=100CPS/IN	

REMARKS:

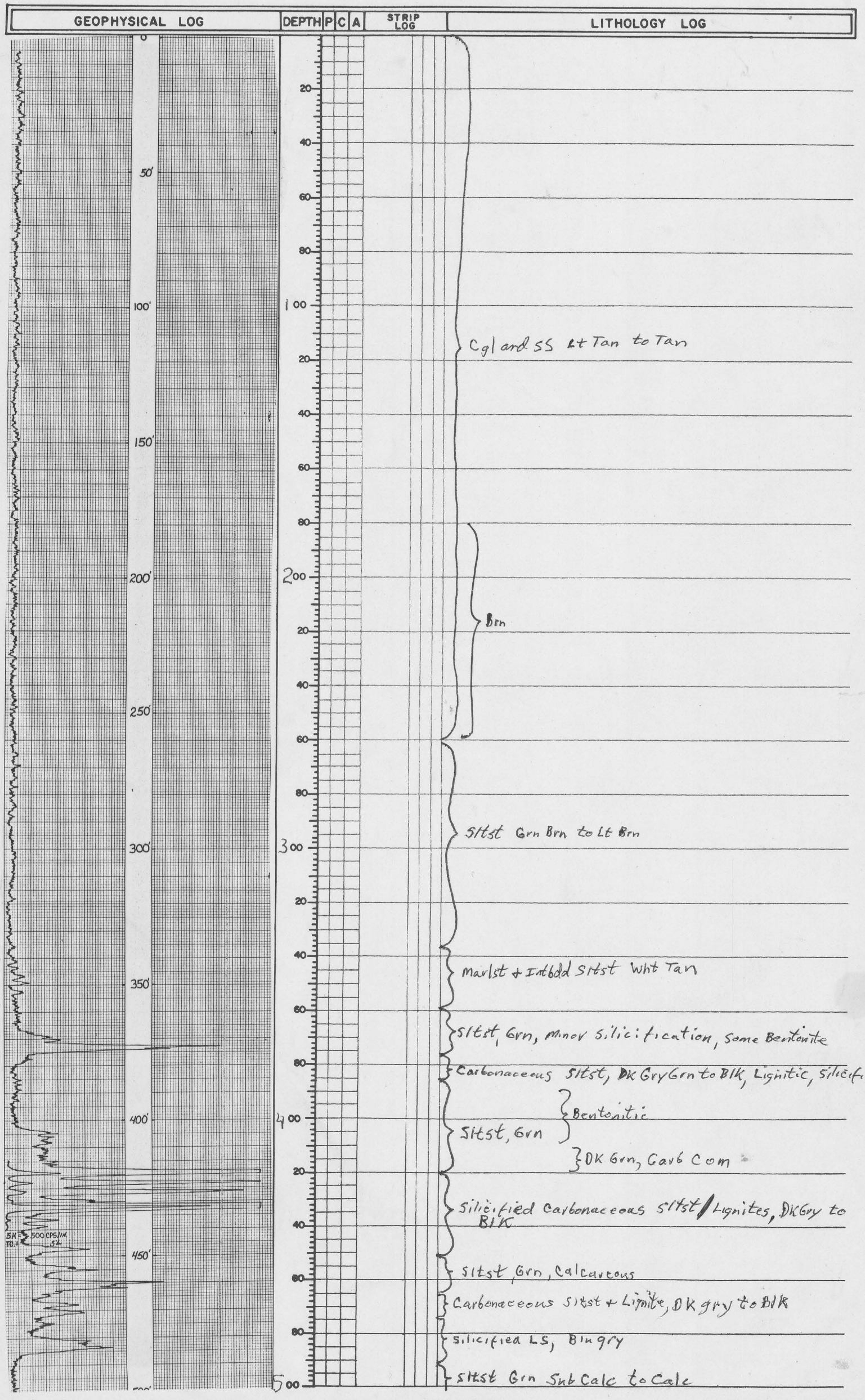


GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
PRINTED IN U.S.A.

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 381

ELEVATION 1946 NORTH 1,202,578.8 EAST 640,817.5 LOGGED BY CZH DATE 1-4-77

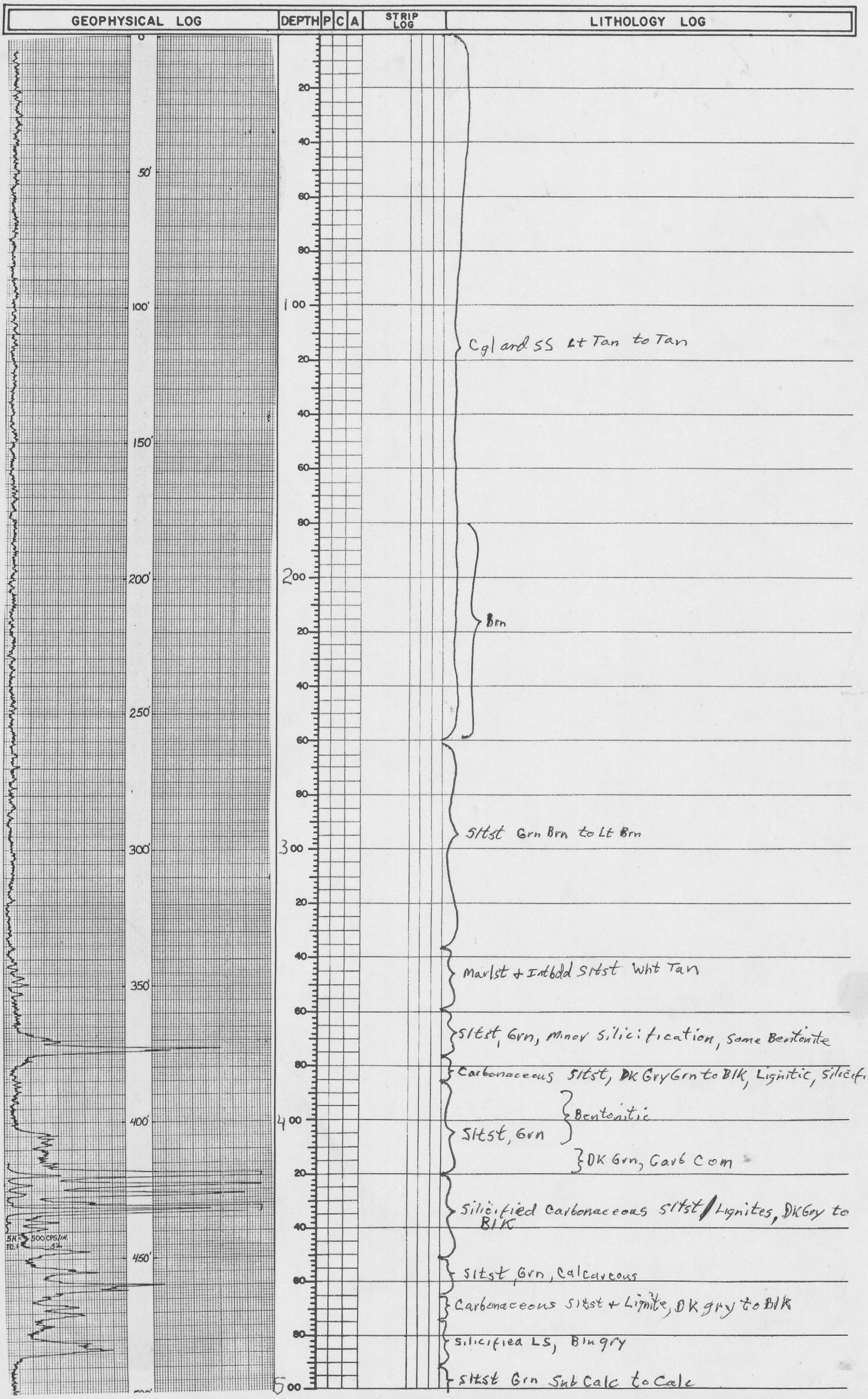
SECTION 10 TOWNSHIP ____ RANGE ____ T.D. 580 P.D. 572



PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 381

ELEVATION 1946 NORTH 1,202,578.8 EAST 640,817.5 LOGGED BY CZH DATE 1-4-77

SECTION 10 TOWNSHIP ____ RANGE ____ T.D. 580 P.D. 572

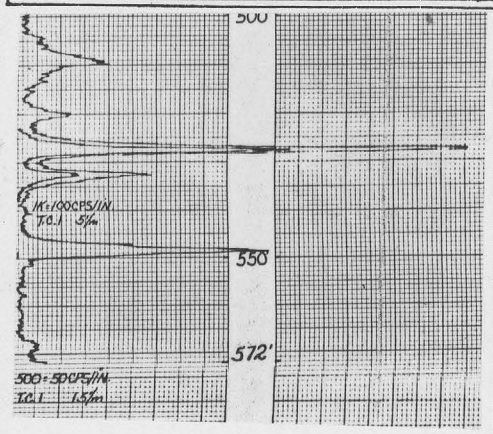


PROJECT Anderson Mine HOLE SIZE _____ ☐ AIR ☑ WATER HOLE NO. AM 381

ELEVATION 1946 NORTH 1,202,578.8 EAST 640,817.5 LOGGED BY CZH DATE 1-4-77

SECTION 10 TOWNSHIP _____ RANGE _____ T.D. 580 P.D. 572

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Sltst, Grn, Sub Calc to Calc, Bentonitic Lower Portion

Andesitic Volcanics, with Calc filled Vugs

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-381

LOCATION	ANDERSON MINE
COUNTY	Yavapai STATE ARIZ.
GP. 1,202,578.8N-640,817.5E ELEV. 1946	
SEC.	TWP. ROE.
DATE	1-4-77
DEPTH DRILLED	580
DEPTH LOGGED	572
FOOTAGE LOGGED	612
HOLE DIAMETER	5¾" to 580'
WATER FACTOR	
RESISTIVITY	OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	538'	440'	
TOP	523'	415'	
TOTAL FEET	15'	25'	
SCALE RUN	K=100CPS/IN	K=500CPS/IN	

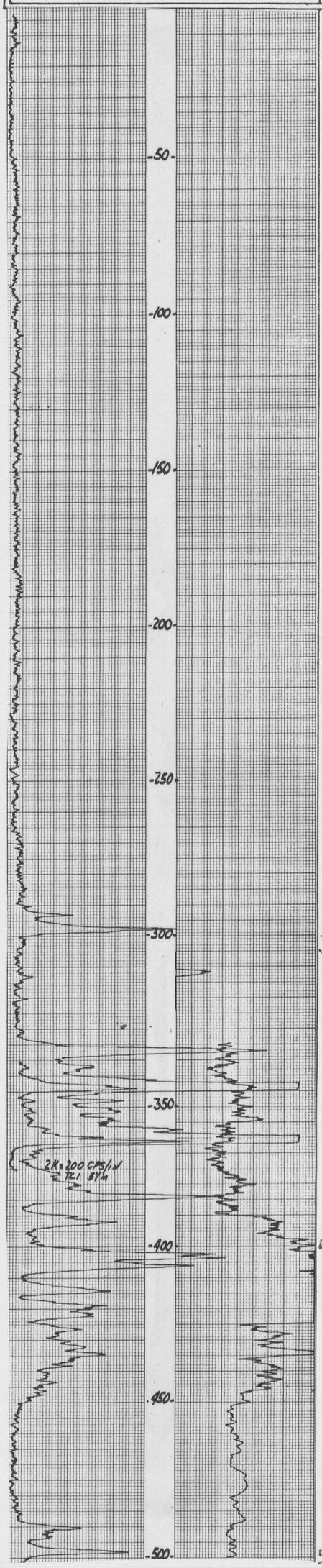
GAMMA SCALE	500=50CPS/IN.
PROBE TYPE	Scint.
K-FACTOR	$5.7e^{-5}$
DEAD TIME	7.1μ sec.
TIME CONSTANT	1
PROBE DIA.	1¾"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Sharpe
CONTRACTOR	Roberts
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 382

ELEVATION 1881 NORTH 1,202,369.7 EAST 640,607.0 LOGGED BY ~~C ZH~~ DATE 1 20 77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 560 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Cgl, Tan Volcanic Frags

Basalt, DK Gry

Siltst, Red, Cgl, Bake Zone

Cgl, Tan, Granitic

Cgl, wht, Granitic

Cgl, SS, Siltst, Lt Tan to Brn
Becomes more slty at Base

Siltst, Grn + Intbdd Wht Ls or Marlst,
Bentonitic, calcareous

Siltst, Grn, Bentonitic, Calcareous, Some Silicification

Bentonitic siltst, DK Grn, Trace to Com Carb

Carbonaceous siltst, DK Grn to Blk, W/ Lignitic Layers

SS, Grn, Med to Crs, Sorting Poor, Hem Stain

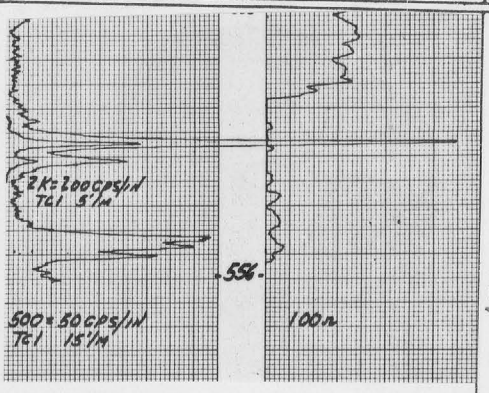
Siltst, Brn Grn to Brn, Bentonitic

Carbonaceous Siltst, DK Grn, Non-Calcareous

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO AM 382

ELEVATION 1881 NORTH 1,202,369.7 EAST 640,607.0 LOGGED BY CZH DATE 1-20-76

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 560 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Carbonaceous sltst, Dk Grn, Non Calcareous
	20					SS, Grn, Med to Crs, W/ Intbdd Grn Bentonitic Clys
	40					sltst, Grn, Bentonitic
						sltst, Red, Bentonitic, Sndy
						Carbonaceous sltst + Lignite, Dk Gry to Blk, Calc
	5 60					sltst, Red, W/ Volcanic Frags
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM 382

LOCATION ANDERSEN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. 1,202,369.7N-640,607.0E ELEV. 1881			
SEC.	TWP.	RGE.	
DATE	1-20-77		
DEPTH DRILLED	560		
DEPTH LOGGED	556		
FOOTAGE LOGGED	605		
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	535	375	
TOP	521	340	
TOTAL FEET	14	35	
SCALE RUN	1R=100CPS/IN	2R=200CPS/IN	

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	RETTERLING
DRILLER	RUSS
CONTRACTOR	REID & S
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine **HOLE SIZE** _____ ☐ AIR ☑ WATER **HOLE NO.** AM 383

ELEVATION 1957 **NORTH** 1,202,607.9 **EAST** 640,645.4 **LOGGED BY** CZH **DATE** 1-5-77

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

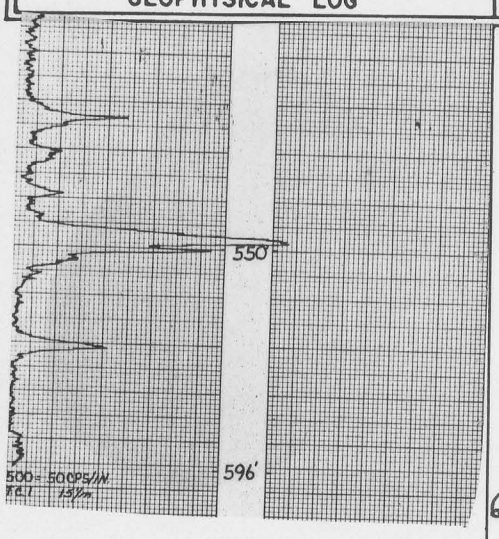
GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	Qtb					Basalt, Gry to Blk
	20					
	40					Cgl, Slty, Red Brn
50'	60					
	80					
100'	100					
	20					Cgl, Sndy, Slty, Lt Tan to Tan
	40					
150'	60					
	80					
200'	200					
	Tgl-ss					
	20					
	40					Cgl, Sndy + Slty, w/Interbdd Sltst, Red Brn
250'	60					
	80					
300'	300					
	20					Sltst, Brn, Sndy
	40					
350'	60					
	80					Ls, Marlst & Silicified Sltst, Lt Grn, Bentonite or Gyp?
400'	400					
	20					Sltst, Grn
	T1					
	40					Ls, Gry, Silicified, Red Brn Chert
450'						
2.5K+ 230 CPS/IN	60					Sltst, Grn to DK Grn
TD.1 5/11						
	80					Carbonaceous Sltst + Lignite, DK Gry to Blk
500'	500					

PROJECT Anderson Mine **HOLE SIZE** ____ ☐ AIR ☑ WATER **HOLE NO.** AM 383

ELEVATION 1957 **NORTH** 1,202,607.9 **EAST** 640,645.4 **LOGGED BY** CZH **DATE** 1-5-77

SECTION ____ **TOWNSHIP** ____ **RANGE** ____ **T.D.** 620 **P.D.** ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Depth scale: 20, 40, 60, 80, 600, 620, 40, 60, 80, 00, 20, 40, 60, 80, 00, 20, 40, 60, 80, 00, 20, 40, 60, 80, 00

Lithology log:

- Carbonaceous Sltst + Lignite Dk Gry to Blk
- Sltst, Dk Grn
- Sltst, Grn
- Sltst, Grn, w/ Some Red Brn
- Sltst, Grn, Some Silicification
- Red Sltst, No Volcanics
- Sltst, Grn, W/ Bentonitic + Silicified Layers, Carb Com
- Red Sltst, Volcanic Pebbles

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-383

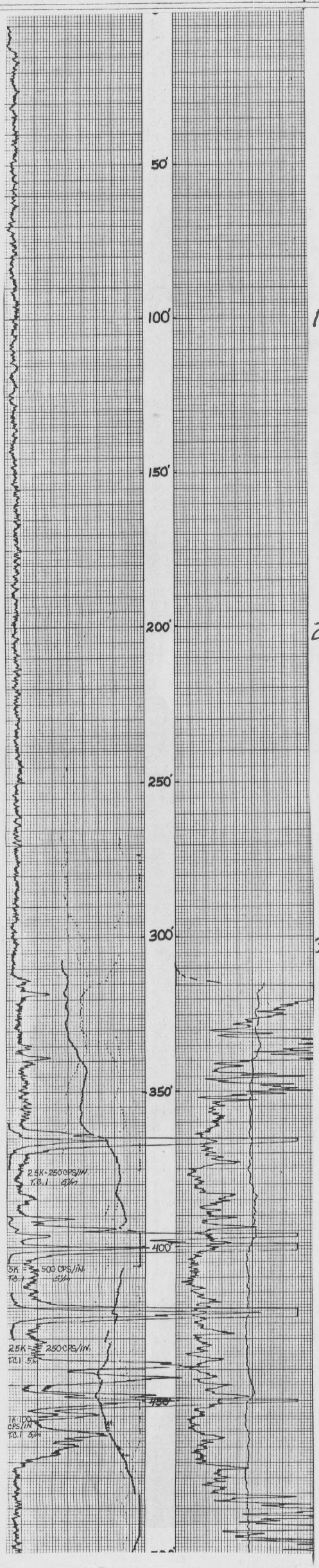
LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS/IN.
COUNTY	Yavapai STATE ARIZ.	PROBE TYPE	SCINT
GP. 1,202,607.9N-640,645.4E ELEV. 1957		K-FACTOR	5.7×10^{-8}
SEC.	TWP. RGE.	DEAD TIME	7.14 μ sec.
DATE	1-5-77	TIME CONSTANT	1
DEPTH DRILLED	620'	PROBE DIA.	1 5/8"
DEPTH LOGGED	596'	CALIPER	
FOOTAGE LOGGED	626'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5 5/8" to 620'	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	460'	FLUID LEVEL	
TOP	430'	REMARKS:	
TOTAL FEET	30'		
SCALE RUN	2.5K=250CPS/IN.		

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 384

ELEVATION 1937 NORTH 1,202,798.4 EAST 640,181.3 LOGGED BY C ZH DATE 2-18-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 560 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, DK Gry

Cgl, Red to Red Brn

Cgl, Lt Tan, Granitic

Sltst, Tan, upper Sndy, Lower Mdy

Sltst, Tan, Grn, w/Wht calc Tuff

Silicified Sltst, Grn, calc w/Yel Brn + Red Brn Chert

Sltst/Mdst, Grn, Bentonitic, Non Calc

Carbonaceous Sltst, Grn

Sltst, Grn, Bentonitic, Lower Silicified

Carbonaceous Sltst + Lignite, DK Gry to Blk, w/Brn Calc Tuff, Silicified, Sub-Calc to Calc,

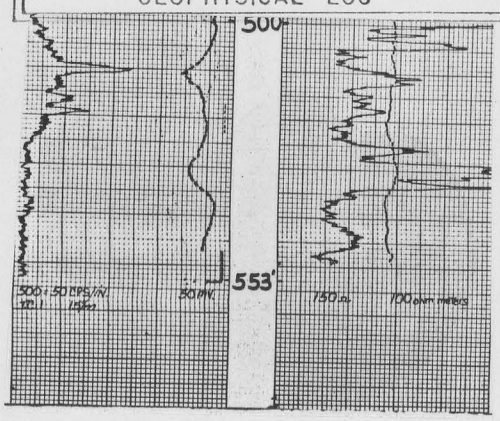
Sltst, Tan Grn, Bentonitic

Sltst, Pink Brn, Bentonitic, No Volcanic Frags

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. AM 384

ELEVATION 1937 NORTH 1,202,798.4 EAST 640,181.3 LOGGED BY CZH DATE 2-18-77

SECTION TOWNSHIP RANGE T.D. 560 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Siltst, Pink Brn, Bentonitic No Volcanic Frags
						Carbonaceous Siltst, DK Grn to Gry
	20					Siltst, Red Brn, Bentonitic, No Volcanic Frags
						Siltst, Grn, Trace Silicification, Bentonitic
	40					Siltst, Red, No Volcanic Frags
						Siltst, Red Volcanic Frags
	60					— Andesitic Volcanic Frags, Gry Brn to Red Brn
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					
	20					
	40					
	60					
	80					
	00					

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-384

LOCATION	ANDERSON MINE			GAMMA SCALE	500 : 50 CPS/in
COUNTY	Yavapai	STATE	Ariz.	PROBE TYPE	Scint.
GP. 1202,798.4N-640,181.3E		ELEV. 1937		K-FACTOR	5.7 x 10⁻⁸
SEC.	TWP.	RGE.		DEAD TIME	719 μ sec.
DATE	2/18/76			TIME CONSTANT	1
DEPTH DRILLED	560'			PROBE DIA.	1¾"
DEPTH LOGGED	553'			CALIPER	
FOOTAGE LOGGED	608'			DIRECTIONAL SURVEY	
HOLE DIAMETER	5⅝" TO 560'			TEMPERATURE	
WATER FACTOR				OPERATOR	Nicolson
RESISTIVITY	150 OHMS/[redacted]	100 ohm meters		DRILLER	Church
SELF POTENTIAL	50 M.V./[redacted]			CONTRACTOR	Roberts
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	455'	430'	405'	FLUID LEVEL	375'
TOP	445'	418'	390'	REMARKS:	360'
TOTAL FEET	10'	18'	15'		15'
SCALE RUN	1K=100CPS/IN.	2.5K=250CPS/IN.	5K=500CPS/IN.	2.5K=250CPS/IN.	

PROJECT ANDERSON MINE REAMED TO 5" BEFORE LOG. **HOLE SIZE** ☐ AIR ☒ WATER **HOLE NO.** AM 384C

ELEVATION _____ **NORTH** _____ **EAST** _____ **LOGGED BY** LUCHT **DATE** 7 OCT 77

SECTION 9 **TOWNSHIP** 11 N **RANGE** 10 W **T.D.** 458 **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	NX CORE LITHOLOGY LOG 2.1" CORE
						360 - 361'9" DARK GRAY CLAY AND SILT
	20					361'9" - 362'5" DARK GRAY CLAY W/ LIGNITE
						362'5" - 363 BLACK LIGNITE
	40					363 - 366'2" DARK GRAY LIGNITIC SILT + CLAY
						366'2" - 366'8" DIRTY BLACK LIGNITE
	60					366'8" - 367'8" VERY DARK GRAY CARBONACEOUS SILTSTONE
						367'8" - 370' MEDIUM GRAY DENSE CLAY W/ SOM LIGNITE
	80					370' - 397'6" NOT CORED
						397'6" - 399'6" BLACK DIRTY LIGNITE
	00					399'6" - 402' DARK GRAY LIGNITIC SILT
						402 - 402'6" - CARBONACEOUS SILT W/ DISRUPTED BEDDING - CALCAREOUS
						402'6" - 412'6" GREEN CLAY
	20					412'6" - 419'6" LIGNITE AND LIGNITIC SILT
						419'6" - 422'6" SAND + CLAY
	40					422'6" - 423'2" DIRTY LIGNITE
						423'2" - 426'2" LOST
	60					426'2" - 428'2" STICKY GREEN CLAY AND SAND. SAND PROB. SLUFF
	80					428'2" - 428'8" BROKEN GREEN CLAY
						428'8" - 430'1" GREEN CLAY
	00					430'1" - 433'2" " "
						433'2" - 435'9" GREEN CLAY
						435'9" - 436'8" YELLOW SILT
	20					436'8" - 439'2" BLACK LIGNITE
						439'2" - 442'11" BROKEN BLACK LIGNITE LOST 2'9"
	40					442'11" - 443'2" BLACK LIGNITE
						443'2" - 444'6" BLACK LIGNITE
	60					444'6" - 445' GREEN CLAY
						445' - 445'3" BROWN SILT
	80					444'3" - 446' BROWN SILT + BLACK LIGNITE
						446' - 448'8" LOST
	00					448'8" - 450 V. DARK GRAY LIGNITIC SILT W/ SOME SMALL PEBBLES
						450 - 450'8" - LIMEY SILT W/ DISRUPTED BEDDING
	20					450'8" - 453'4" - BIOTURBIDITIC MARL W/ ABUND. CARBON
						453'4" - 454 DIRTY LIGNITE
	40					454 - 457'1" LIGNITIC SILT
						457'1" 458'4" LOST
	60					END OF CORE
	80					
	00					
	20					
	40					
	60					
	80					
	00					

DIAMOND DRILL LOG

SCALE 1"=10'
STARTED
STOPPED
NOTES BY R L SHERER 10/77

DEPTH 360-458.3
BEARING
INCLINATION

HOLE No. AM 384C
PROPERTY Anderson
COUNTY
COLLAR COORD. N.
COLLAR ELEV.

SHEET 1 OF 2
STATE AZ
E.

ASSAYS	% RECOV.	DEPTH 350	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE 350
					Note: colors wet angles: ∝ HCl: 10%			NO CORE 360
		360			360-362 micaceous siltstone 362-368 Claystone 368-370 siltstone	362.3-363 black lignite 366-369 black lignite & dark brown organic matter.	local specks & streaks goethite IN claystone 369 local goethite, Green mineral ON fracs, - celadonite?	Mudstone Grayish olive 10Y 4/2 to Pale Olive 10Y 6/2 and Dusky yellow green 5GY 5/2 locally thin bedded Bedding dips 15-20° local lignite & streaks of black to brown Organic matter.
		370			370-390 NO CORE		370-390 NO CORE	
		380						
					390			390
		390			white clay clots ±3mm, & stringers in siltstone	Hematite stain of qtz grains in sand.		SAND - 85% qtz 10% feld 5% Bi & volc. Rock frags. orange brown 5YR 7/4
					394 NO CORE 397.5		394-397.5 NO CORE	392.5 Siltstone and soft Clay 5Y 5/2, grayish olive green 397.5
					12° dip, 2" grayish olive green claystone at 397.5' 400.5	399.5-400.5 Clear & brown chalcedony vein 5mm ±75°		Black lignite & Dark - Brown C. siltstone
		400			claystone and minor micaceous siltstone			Mudstone 400.5 Grayish olive green 5GY 3/2
		410			412.5	411.5 2" carbonaceous siltstone		412.5
					10° dip, 412.5 breccia and chalcedony veins 2" 419.5			Carbonaceous Siltstone Dark Gray N2, and Black lignite 419.5
		420			course sand of qtz., feld. mudstone and lignite fragments 422 Gravel of subangular mudstone, lignite and PEGGRANITE fragments.			SAND and gravel 5Y5/2 light olive gray 422
					423.2			Black lignite 423.2
					NO CORE 426.2			NO CORE 426.2
					427.5 SAME AS 419.5-422 but with more mudstone-clay fragments			sand, gravel, clay 427.5
		430			weak HCl Rx in claystone, moderate HCl Rx. in siltstone 429.5 siltstone 2" 10° dip 431 contorted bedding 433.2 color change to Greenish black 5G 2/1 Claystone.	local dissem. pyrite <.5 vol %		Mudstone Grayish olive green 5GY 3/2 claystone with olive gray 5Y 3/2 - 5Y 5/2 siltstone
					436-437 Yellowish gray Sandstone 5Y 4/2 with gastropods. strong HCl Rx. 437			437 Carbonaceous Mudstone and local lignite Brownish black 5YR 2/1 to black N1
		440			442 4" lignite 444.5-445 grayish olive green mudstone.			444.5
					Gastropods and local carbonaceous Matter 448.7			Siltstone light olive gray 5Y 5/2 448.7
		450			Clots of lighter colored	carbonate cemented siltstone		Siltstone Grayish olive

DIAMOND DRILL LOG

SCALE 1" = 10'
STARTED
STOPPED
NOTES BY R.J. SHEKER

DEPTH 360-458.3
BEARING
INCLINATION

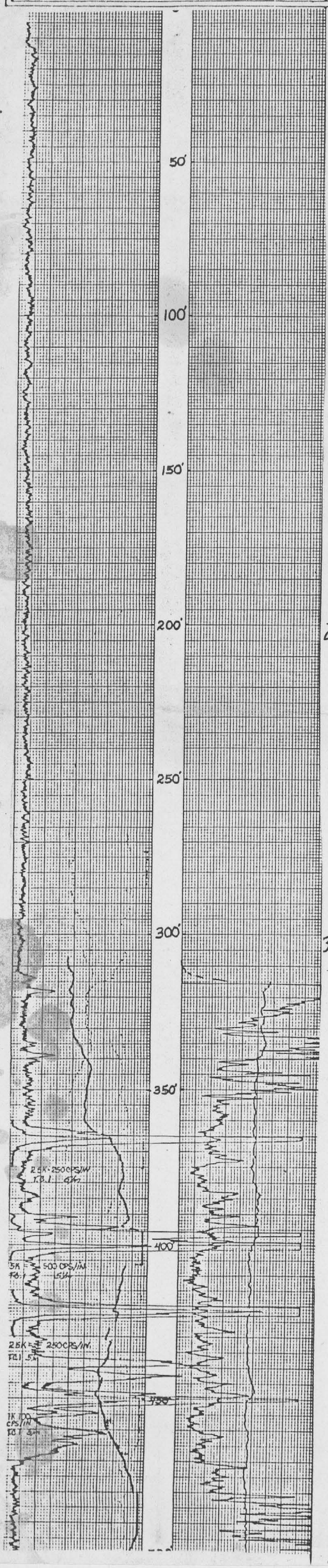
HOLE No. AM 384C SHEET 2 OF 2
PROPERTY ANDERSON
COUNTY
STATE AZ
COLLAR COORD. N. E.
COLLAR ELEV.

ASSAYS			% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				450			450 4" vuggy limestone			450
							451.5 miracrous siltstone, sparse dissem py. May be tuffaceous.			451.5 siltstone, light greenish gray 5GY6/1, greenish gray 5G6/1 and gray N6
							457.1			457.1
							458.3	NO CORE		458.3
				460						END OF CORE

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. Page 1 of 2 AM 384

ELEVATION 1937 NORTH 1,202,798.4 EAST 640,181.3 LOGGED BY CZH DATE 2-18-77

SECTION TOWNSHIP RANGE T.D. 560 P.D.



LITHOLOGY LOG

Basalt, DK Gry

Cgl, Red to Red Brn

Cgl, Lt Tan, Granitic

sltst, Tan, upper Sndy, Lower Mdy

sltst, Tan, Grn, W/Wht Calc Tuff

Silicified sltst, Grn, Calc W/Yel Brn + Red Brn Chert

sltst/mdst, Grn, Bentonitic, Non Calc

Carbonaceous sltst, Grn

sltst, Grn, Bentonitic, Lower Silicified

Carbonaceous sltst + Lignite, DK Gry to Blk, W/Brn Calc Tuff, Silicified, Sub-Calc to Calc,

sltst, Tan Grn, Bentonitic

sltst, Pink Brn, Bentonitic, No Volcanic Frags

Log and Core AM 384 C

360' - 361	Lt grn, to yellowish tan, mdstn, yel-grn accessory mineral at base
361' - 361'6"	Lignite, carbonaceous siltstn
361'6" - 362'6"	siltstn - carbonaceous, lt gry to gry-grn
362'6" - 363'6"	carbonaceous siltstn & lignite - gry to blk. lower 4" lig abund.
363'6" - 364'6"	siltstn - mdstn, drk grn, trace carbon

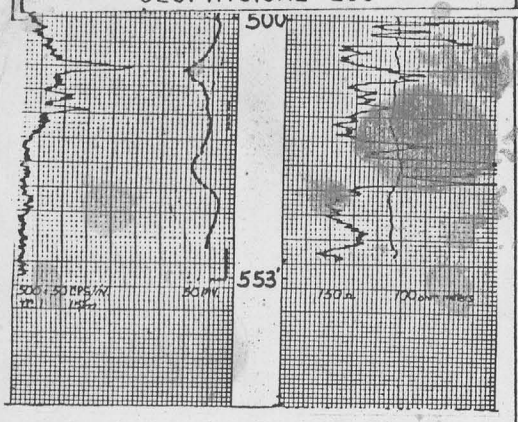
Page 2 of 2

r Anderson Mine — HOLE SIZE ____ ☐ AIR ☑ WATER — HOLE NO. AM 384

ION 1937 — NORTH 1,202,798.4 — EAST 640,181.3 — LOGGED BY CZH — DATE 2-18-77

ECTION ____ — TOWNSHIP ____ — RANGE ____ — T.D. 560 — P.D. ____

GEOPHYSICAL LOG



DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
					Sltst, Pink Brn, Bentonitic No Volcanic Frags
					Carbonaceous Sltst, Dk Grn to Gry
20					Sltst, Red Brn, Bentonitic, No Volcanic Frags
					Sltst, Grn, Trace Silicification, Bentonitic
40					Sltst, Red, No Volcanic Frags
					Sltst, Red Volcanic Frags
60					— Andesitic Volcanic Frags, Gry Brn to Red Brn
80					
00					
20					
40					
60					
80					
00					
20					
40					
60					
80					
00					
20					
40					
60					
80					
00					
20					
40					
60					
80					

MINERALS EXPLORATION CO.

CASPER, WYOMING — HOLE NO. AM-384

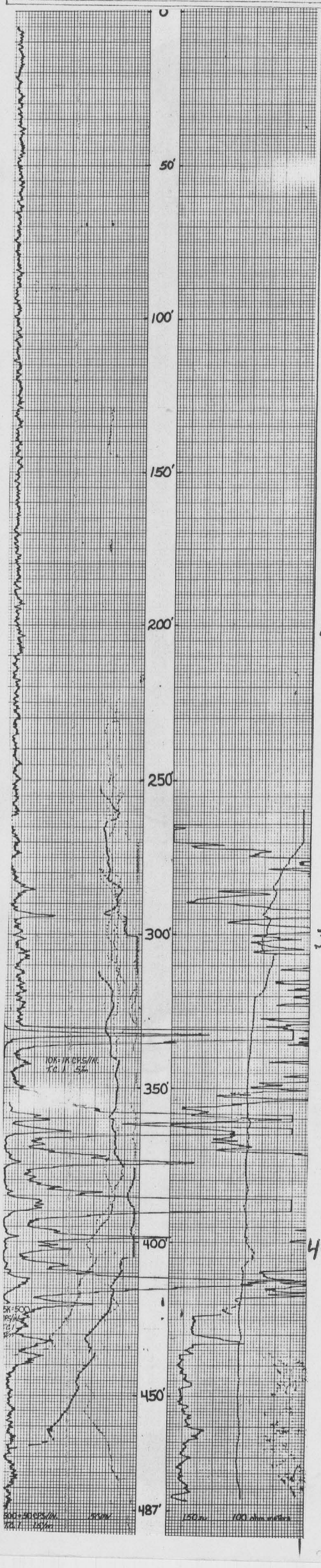
LOCATION	ANDERSON MINE			GAMMA SCALE	500 - 50 CPS/IN
COUNTY	Yavapai	STATE	ARIZ.	PROBE TYPE	Scint.
GP. 1202,798.4N-640,181.3E		ELEV.	1937	K-FACTOR	5.7 10^-8
				DEAD TIME	719 μ sec.
SEC.	TWP.	RGE.		TIME CONSTANT	1
DATE	2/18/76			PROBE DIA.	1 3/4"
DEPTH DRILLED	560'			CALIPER	
DEPTH LOGGED	553'			DIRECTIONAL SURVEY	
FOOTAGE LOGGED	608'			TEMPERATURE	
HOLE DIAMETER	5 3/4" to 560'			OPERATOR	Hudson
WATER FACTOR				DRILLER	Church
RESISTIVITY	150 OHMS/[illegible] 100 ohm meters			CONTRACTOR	Roberts
SELF POTENTIAL	.50 M.V./[illegible]			LAST A.E.C. PIT RUN	
				FLUID LEVEL	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:	
BOTTOM	455'	430'	405'	375'	
TOP	445'	415'	390'	360'	
TOTAL FEET	10'	15'	15'	15'	
SCALE RUN	1K-100CPS/IN.	2.5K-250CPS/IN.	5K-500CPS/IN.	2.5K-250CPS/IN.	

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 385

ELEVATION 1911 NORTH 1,202,942.5 EAST 640,088.2 LOGGED BY ~~C ZH~~ DATE 2-21-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 490 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Basalt, DK Gry

SS, Red, Babbe Zone

Cgl, Lt Tan to Gry Tan, Granitic, Silty

Cgl, Tan to Brn Tan, Granitic, Silty

Sltst, Grn Tan,

Sltst, Tan Grn, Trace of Thin Wht Calc Layers

Silicified Sltst, Lt Grn to Tan Grn, Red Brn Chert

Sltst, Grn, Bentonitic, Trace of Silicification

Carbonaceous Sltst, Gry, Calc, Silicified

Silicified Sltst, Gry Grn,

Sltst, Grn, Bentonitic

Sltst, Grn to DK Grn, Sub-Carbonaceous, Silicified

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

Carbonaceous to Sub-Carb

Sltst/Mdst, Grn to Yel Grn, Bentonitic

Sltst, Brn, w/Red Orange Speckles, No Volcanics

Sltst + Andesitic Volcanic Frags, Red to Gry Brn

MINERALS EXPLORATION CO.

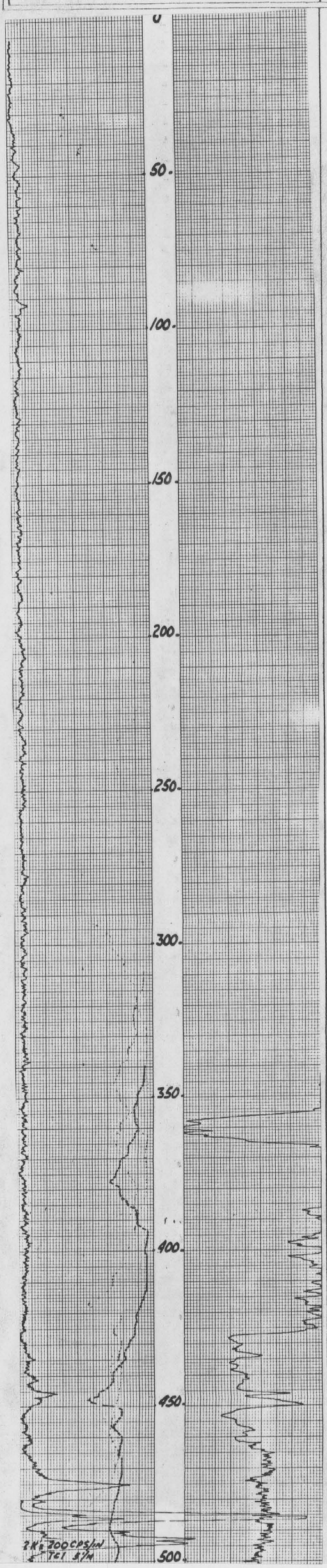
CASPER, WYOMING			HOLE NO. AM-385
LOCATION ANDERSON MINE			GAMMA SCALE 500:50 CPS/IN.
COUNTY Yavapai	STATE Ariz.		PROBE TYPE Scint
GP. 1,202,942.5N- 640,088.2 E	ELEV. 1911		K-FACTOR 3.7×10^{-8}
SEC.	TWP.	RGE.	DEAD TIME 7.14 μ sec.
DATE	2/21/77		TIME CONSTANT 1
DEPTH DRILLED	490'		PROBE DIA. 1½"
DEPTH LOGGED	487'		CALIPER
FOOTAGE LOGGED	562'		DIRECTIONAL SURVEY
HOLE DIAMETER	5⅞" to 490'		TEMPERATURE
WATER FACTOR			OPERATOR Hudson
RESISTIVITY	150 OHMS/INCH	100 ohm meters	DRILLER Thurah
SELF POTENTIAL	50 M.V./INC.		CONTRACTOR Robertie
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	420'	340'	LAST A.E.C. PIT RUN
TOP	355'	330'	FLUID LEVEL
TOTAL FEET	65'	10'	REMARKS:
SCALE RUN	5K=500 CPS/IN.	10K=1KCPS/IN	

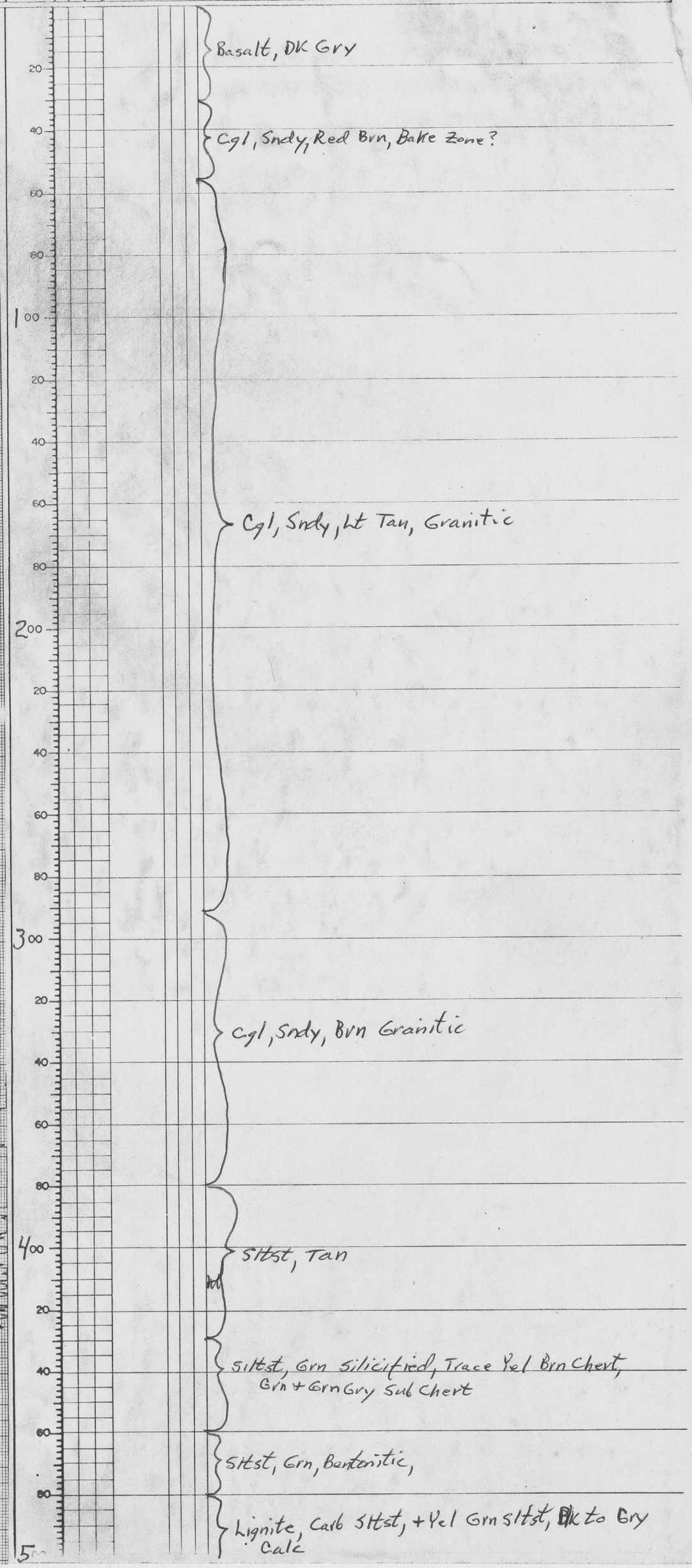
PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. Am 386

ELEVATION 2005 NORTH 1,203,004.1 EAST 640,952.4 LOGGED BY CZH DATE 2-28-77

SECTION TOWNSHIP RANGE T.D. 560 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG

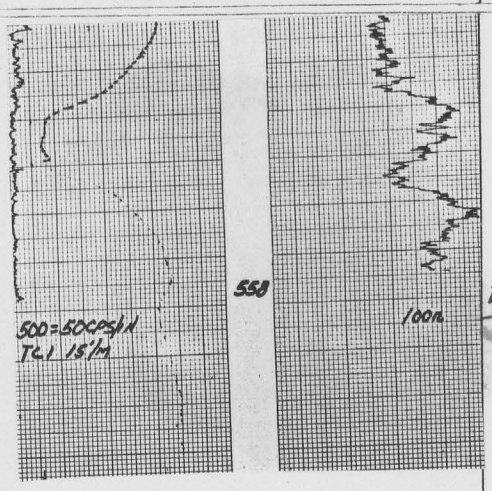




PROJECT Andersen Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 386

ELEVATION 2005 NORTH 1,203,004.1 EAST 640,952.4 LOGGED BY CZH DATE 2-28-77

SECTION ____ TOWNSHIP ____ RANGE ____ T.D. 560 P.D. ____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						Lignite, Carb Sltst, + Yel Grn Sltst, Blk to Gry, Calc
						sltst, Yel Grn, Trace Carb, Bentonitic
						sltst, Red, and Andesitic Volcanics

MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSEN MINE

COUNTY YAVAPAI STATE ARIZONA

GP. 1,203,004.1N-640,952.4E ELEV. 2005

SEC. TWP. RGE.

DATE	3-1-77		
DEPTH DRILLED	560		
DEPTH LOGGED	558		
FOOTAGE LOGGED	571		
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	499		
TOP	480		
TOTAL FEET	19		
SCALE RUN	2R: 200CPS/IN		

HOLE NO.	AM 386
GAMMA SCALE	500=50CPS
PROBE TYPE	SCINT
K-FACTOR	5.70 X 10-5
DEAD TIME	7.14 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	PETTERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. FIT RUN	
FLUID LEVEL	
REMARKS:	

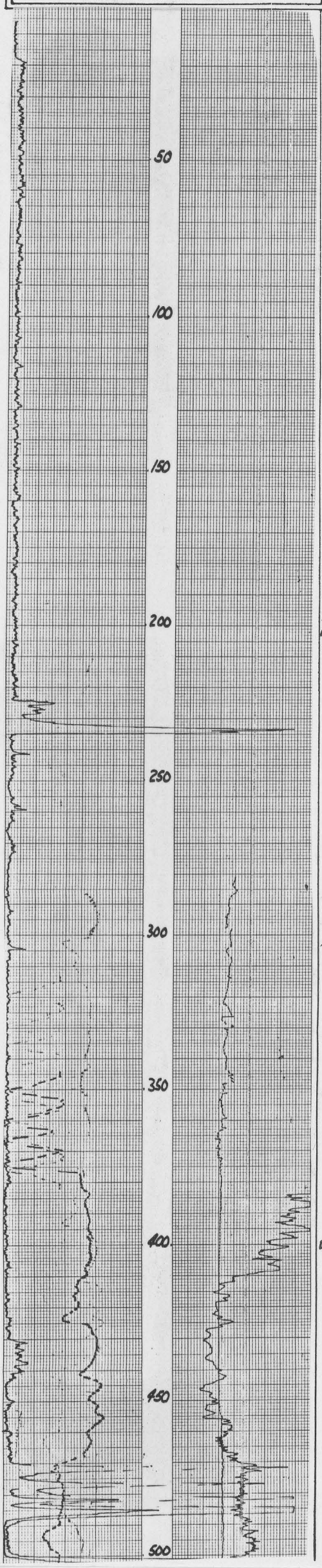
Page 1 of 2

PROJECT Anderson Mine HOLE SIZE _____ ☐ AIR ☑ WATER HOLE NO. Am 387

ELEVATION 1979 NORTH 1,202,784.5 EAST 641,035.8 LOGGED BY CZH DATE 3-7-77

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 620 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



DEPTH: 20, 40, 60, 80, 100, 20, 40, 60, 80, 200, 20, 40, 60, 80, 300, 20, 40, 60, 80, 400, 20, 40, 60, 80, 500

LITHOLOGY LOG:

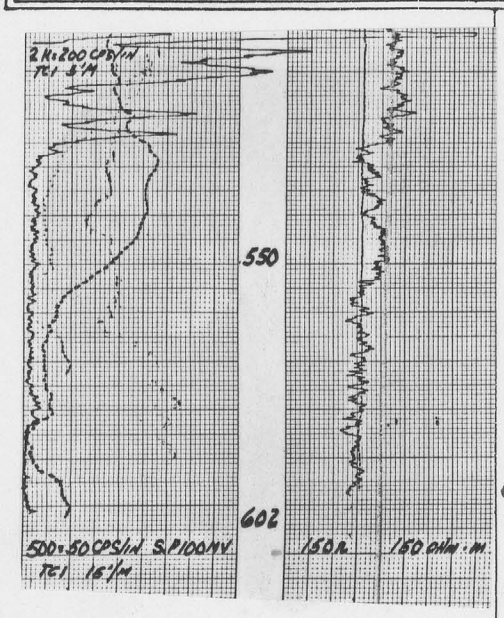
- Basalt DK Gry
- Cgl, RedBrn, Bake Zone
- Cgl, Sndy, Lt Tan to Tan Granitic
- Sltst, Brn to Tan, upper Sandy
- Sltst, Tan Grn, Silicified w/ Wht Calc Tuff + Yel Brn + Gry Chert,
- Silicified Sltst + Sub Carb Sltst, Grn to DK Grn Bentonitic, Gry Grn Sub Chert, Calc, Trace Carb
- Lignite + Carbonaceous Sltst, Blk to Gry, Calc, Silicified w/ Intbdd Grn Sltst + Brn Calc Tuff

PROJECT Anderson Mine HOLE SIZE ☐ AIR ☑ WATER HOLE NO. Am 387

ELEVATION 1979 NORTH 1,202,784.5 EAST 641,035.8 LOGGED BY CZH DATE 3-7-77

SECTION TOWNSHIP RANGE T.D. 620 P.D.

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



Lignite + Carbonaceous Sltst Blk to Gry, Calcareous, Silicified, w/ Intbdd Grn Sltst & Bin calc Tuff

Carbonaceous Sltst, DKGrn, Thin Lignitic Layers Non-Calc, Trace Silicification

Sltst, Red, No Volcanics

Andesitic Volcanics

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM 387

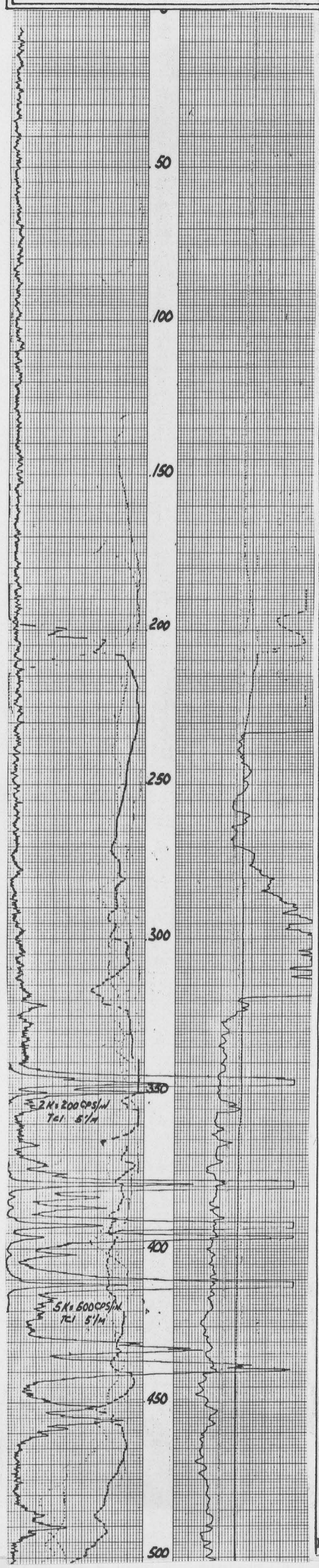
LOCATION ANDERSEN MINE			
COUNTY YAVAPAI	STATE ARIZONA		
GP. 1,202,784.5 N - 641,035.8 E	ELEV. 1979		
SEC.	TWP.	RGE.	
DATE	3-7-77		
DEPTH DRILLED	620		
DEPTH LOGGED	602		
FOOTAGE LOGGED	628		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.22		
RESISTIVITY	150 OHMS/INCH 150 OHM-M		
SELF POTENTIAL	100 M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	509		
TOP	478		
TOTAL FEET	26		
SCALE RUN	2K=200CPS/IN		

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT.
K-FACTOR	5.70x10-5
DEAD TIME	7.1μs
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	RETHERLING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 388

ELEVATION 908 NORTH 1,202,796.8 EAST 640,617.2 LOGGED BY CJH DATE 3-7-77

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



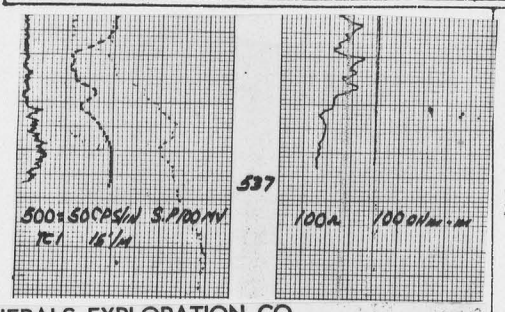
DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
20, 40, 60, 80, 100					Cgl, SS, Lt Tan to Tan, Granitic
20, 40, 60, 80, 200					Cgl, SS, Brn, Granitic
20, 40, 60, 80, 300					Sltst, Tan
20, 40					Sltst, Grn, Bentoentic, Trace silicification
60, 80					Sltst Grn to DK Grn, Sub-Carbonaceous Sub-Calc to Non Calc
20, 40, 60, 80, 400					Carbonaceous sltst + Lignite, DK Gry to Blk, Calc, Silicified, Brn Calc Tuff or Ls, Int bed DK Grn sltst
20, 40, 60, 80					Carbonaceous sltst + Silicified sltst, DK Grn to Gry,
500					SS, Grn Tan, Med to Crs, Sub Ang, Poor

PROJECT Anderson Mine HOLE SIZE ____ ☐ AIR ☑ WATER HOLE NO. AM 388

ELEVATION 1908 NORTH 1,202,796.8 EAST 640,617.2 LOGGED BY CZH DATE 3-7-77

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

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG



MINERALS EXPLORATION CO.

CASPER, WYOMING

LOCATION ANDERSON MINE

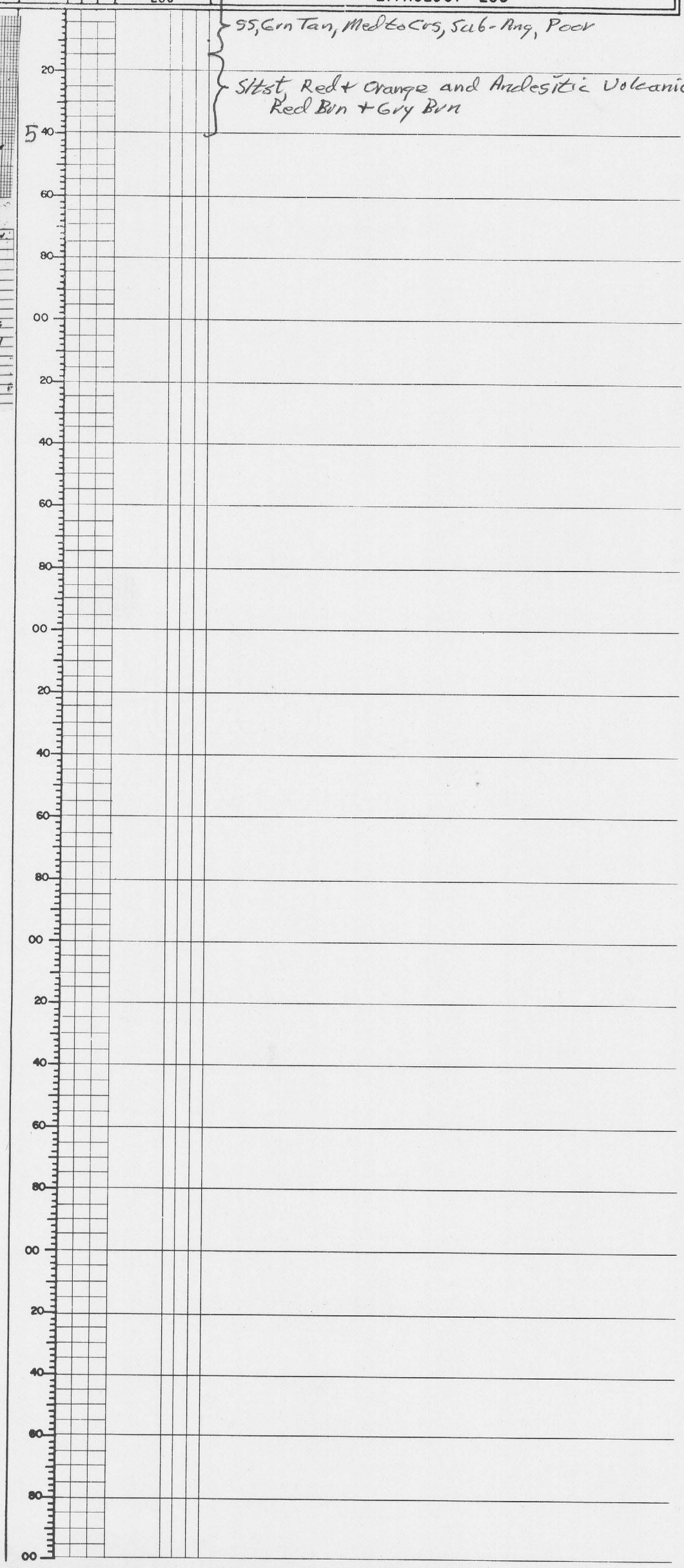
COUNTY YAVAPAI STATE ARIZONA

GP. 1202,796.8N-640,617.2 ELEV. 1908

SEC. TWP. RGE.

DATE	3-7-77		
DEPTH DRILLED	540		
DEPTH LOGGED	537		
FOOTAGE LOGGED	598		
HOLE DIAMETER	5 5/8		
TER FACTOR	1.22		
RESISTIVITY	100 OHMS/INCH	100 OHM-M	
SELF POTENTIAL	100 M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	420	353	
TOP	372	890	
TOTAL FEET	48	13	
SCALE RUN	6R=500CPS/in	2R=200CPS/in	

HOLE NO.	AM 388
GAMMA SCALE	500=50CPS/in
PROBE TYPE	SCINT
K-FACTOR	5.70 X10-5
DEAD TIME	7.19 μ
TIME CONSTANT	1
PROBE DIA.	1 5/8
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	REITERALING
DRILLER	JIM
CONTRACTOR	UNIVERSAL
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	

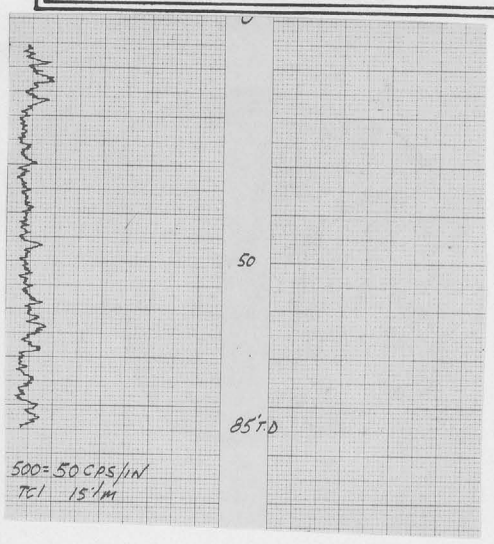


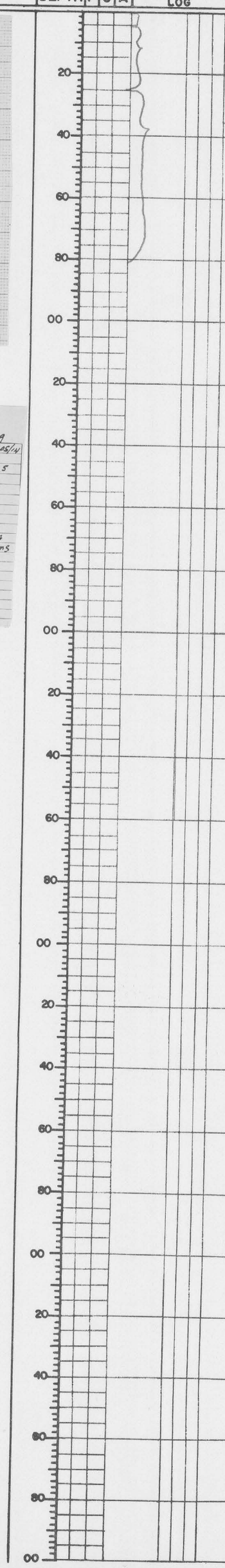
PROJECT ANDERSON MINE **HOLE SIZE** _____ ☐ AIR ☐ WATER **HOLE NO.** AM 389

ELEVATION 1901 **NORTH** 1204909.5 **EAST** 642,005.6 **LOGGED BY** GM **DATE** 12-11-76

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 80' **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG





QAL

MDSTN/SLTSTN OLIVE→WHT NON-CALC

SLTSTN/MDSTN TAN→OLIVE SUB-CALC

SLT→VFG SOME LS STRINGERS AT 70' MINOR CHERT

MINERALS EXPLORATION CO.

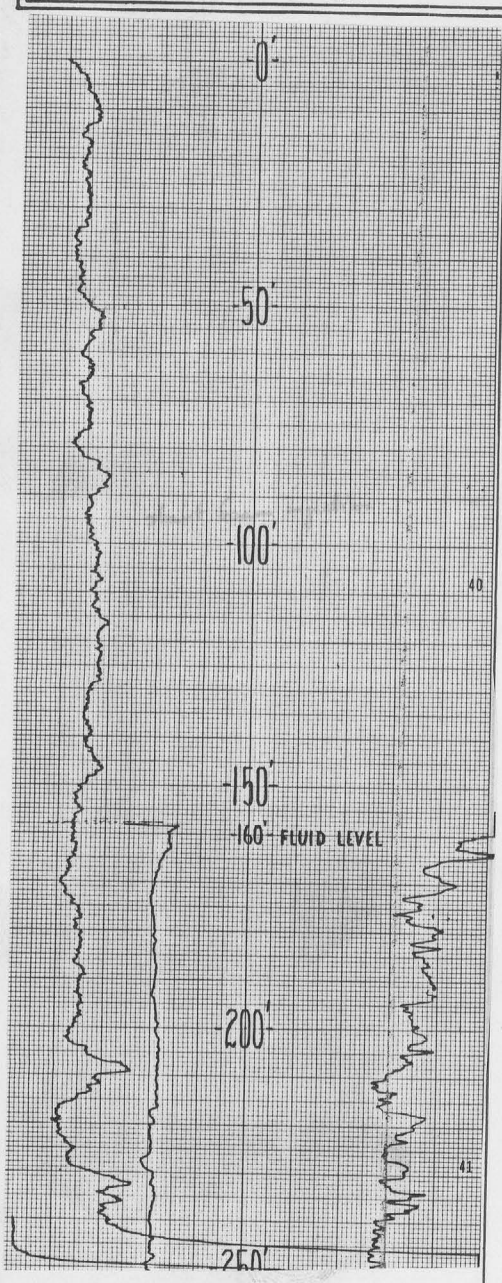
CASPER, WYOMING

LOCATION ANDERSON MINE		HOLE NO.	AM-389
COUNTY YAVAPAI	STATE ARIZONA	GAMMA SCALE	500=50CPS/IN
GP.	ELEV.	PROBE TYPE	SCINT
SEC.	TWP. RGE.	K-FACTOR	5.70X10-5
DATE	DEC. 7, 76	DEAD TIME	7.14u
DEPTH DRILLED	80	TIME CONSTANT	1
DEPTH LOGGED	85	PROBE DIA.	1 5/8
FOOTAGE LOGGED	85	CALIPER	
HOLE DIAMETER	5 5/8	DIRECTIONAL SURVEY	
WATER FACTOR	DRY	TEMPERATURE	
RESISTIVITY	OHMS/INCH	OPERATOR	KETCHUM
SELF POTENTIAL	M.V./IN.	DRILLER	JIM WILLIAMS
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	CONTRACTOR	UNIVER
BOTTOM		LAST A.E.C. PIT RUN	
TOP		FLUID LEVEL	
TOTAL FEET		REMARKS:	
SCALE RUN			

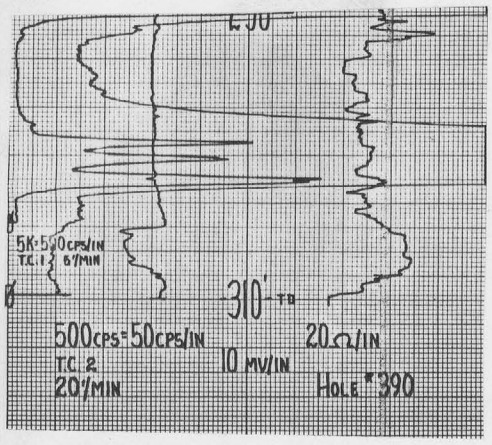
PROJECT Anderson Mine **HOLE SIZE** 5 5/8 ☐ AIR ☒ WATER foam **HOLE NO.** AM-390

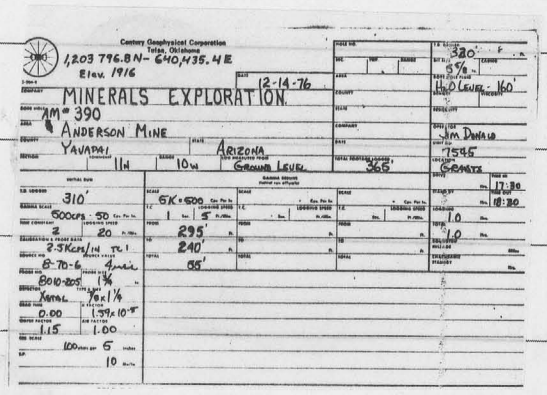
ELEVATION 1916 **NORTH** 1,203,796.8 **EAST** 640,435.4 **LOGGED BY** DBD **DATE** 12-14-76

SECTION _____ **TOWNSHIP** _____ **RANGE** _____ **T.D.** 330 **P.D.** _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	20					0-20 lt brn conglomerate; granitic frags calcite cemented
						20-30 lt brn conglomerate
	40					30-40 lt brn cong/lt. gry siltstn
						40-50 lt brn cong.
	60					50-65 orang brn sandy siltstn
						65-80 lt brn siltstn/sand
	80					80-120 med brn silty sandstone; common siltstn
	100					
	20					120-220 med red brn sandstone/siltstn mix
	40					
	60					
	80					
	200					
	20					220-240 med brn siltstn/sandstn.
	40					240-260 lt. brn sand w/ common med brn siltstn has some ls & chert fragments
	60					260-275 dk blk grn; common carbonaceous material sticky drilling - common bentonite
	80					275-290 dk grn-blk; common carbonaceous material; may be partially silicified
	300					290-300 dk gry grn; carbonaceous material
						300-310 blk carbonaceous siltstn w/chert
						310-320 red brn siltstn w/common volcanic frags. basement.
	330-T.D.					320-330 volcanic frags
	40					
	60					
	80					
	400					

note: discriptions are poor because samples could not be washed and that the samples had to be described before the rig could be moved




Century Geophysical Corporation
Tulsa, Oklahoma
1,203 796.8 N - 640,435.4 E
Elev. 1916

MINERALS EXPLORATION
AM # 390
ANDERSON MINE
YAVAPAI ARIZONA
11N 10W
GROUND LEVEL 365
12-14-76
310'
5K=500
500CPS=50
T.C. 2 20
8-70-6
8010-205
Xmtl 7/8x1 1/4
0.00 1.59x10⁻⁵
1.15 1.00
100 5
10
320'
5 5/8
H2O LEVEL 160'
JM DONALD
75545
GEMATS
17:30
18:30
1.0
1.0
295'
240'
55'

Hole# AM 390-C 5 Boxes

Core With Log

240-244	No Core Recovered
244-246'8"	mdst, Green, Silty
246'8"-248	Siltst, Gry Grn, Fine Sand
248-248'4"	mdst, Gry Grn
248'4"-248'8"	Siltst, Gry Grn, Fine Sand
248'8"-249'4"	mdst, Gry Grn, Silty
249'4"-250'4"	Lignite, Blk.
250'4" 252'4"	Lignitic Siltst, DK Gry to Blk
252'4"-254'6"	LS, Gry to Grn Gry, Silicified
254'6"-257	Siltst, Gry Grn, Sndy, Bentonitic
257-259	Bentonitic Clays, Grn to Grn Gry, Greasy, Cone in Cone Like Compaction Markings
259-266'4"	Siltst, Lt Tan, Sndy to V. Sndy
266'4"-369'6"	mdst, Grn, Greasy,
369'6"-372	Carbonaceous Siltst, DK Gry to Blk
372-377	Lost Core Interval, Carbonaceous Material
377-377'6"	Bentonitic Cly, Gry Grn,
377-380	Carbonaceous Siltst + Trash, Dk Gry to Blk
380-380'4"	Mdst Grn as Matrix w/ large Volc Pebbles
380'4"-288'6"	Siltst, Lt Tan
288'6"-295	Siltst Matrix Aglomerate, Red Brn, W/ Various sized Vol Pebbles