CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the Anderson Mine Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

MINERALS EXPLORATION CO.

CASPER, WYOMING

1205 696.42N
82 750.24E

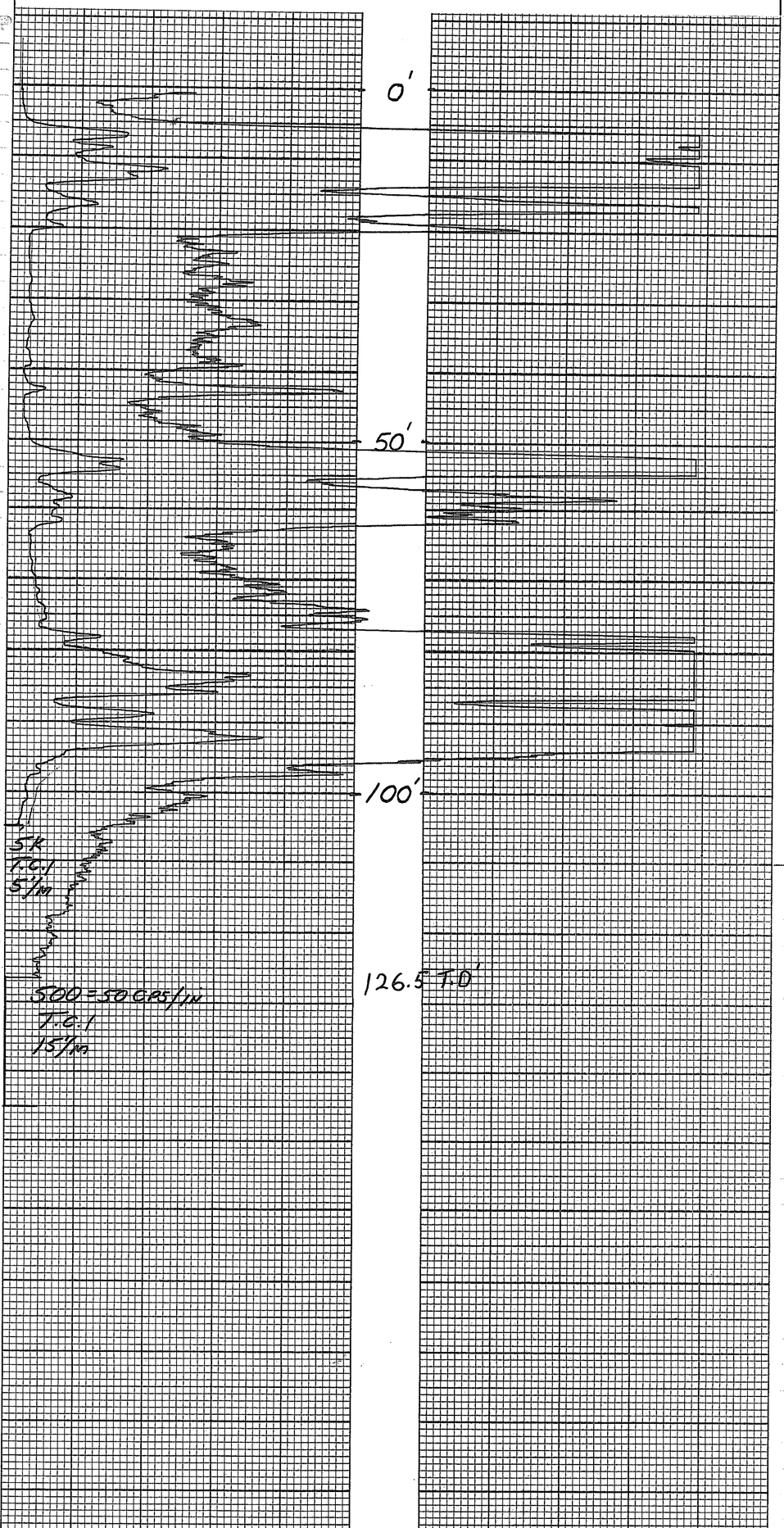
HOLE NO. AM-71

LOCATION	ANDERSEN MINE
COUNTY	YAVAPAI
STATE	ARIZONA
GP.	1,203,206N 636,408E
ELEV.	1699
SEC.	
TWP.	11N
RGE.	10W

DATE	12-10-75
DEPTH DRILLED	130'
DEPTH LOGGED	126.5'
FOOTAGE LOGGED	231.5'
HOLE DIAMETER	5 5/8"
WATER FACTOR	–
RESISTIVITY	– OHMS/INCH
SELF POTENTIAL	– M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	105'		
TOP	0'		
TOTAL FEET	105'		
SCALE RUN	5K		

GAMMA SCALE	500=50CPS/IN
PROBE TYPE	SCINT
K-FACTOR	2.25×10^{-5}
DEAD TIME	9.6 USEC
TIME CONSTANT	1
PROBE DIA.	1 11/16"
CALIPER	–
DIRECTIONAL SURVEY	–
TEMPERATURE	–
OPERATOR	D. BRADLEY
DRILLER	SHARPE
CONTRACTOR	REID
LAST A.E.C. PIT RUN	11-1-75
FLUID LEVEL	DRY
REMARKS:	



MINERALS EXPLORATION CO.

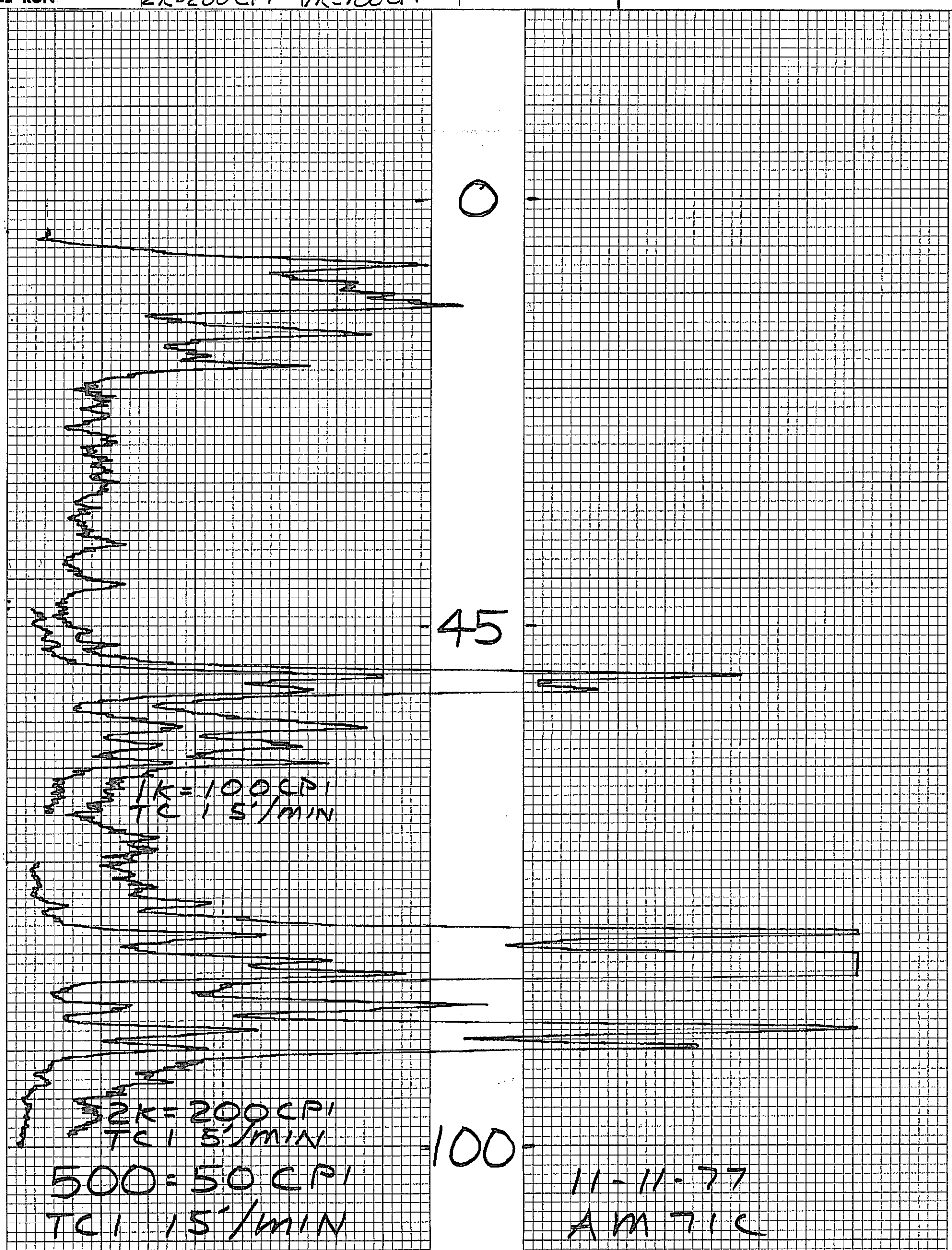
CASPER, WYOMING **HOLE NO.** AM 71C

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

DATE	11-11-77
DEPTH DRILLED	100
DEPTH LOGGED	100
FOOTAGE LOGGED	152
HOLE DIAMETER	4"
WATER FACTOR	NA
RESISTIVITY	NA OHMS/INCH
SELF POTENTIAL	NA M.V./IN.

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**
BOTTOM	100	65	
TOP	70	43	
TOTAL FEET	30	22	
SCALE RUN	2K=200 CPI	1K=100 CPI	

GAMMA SCALE	500=50CPI
PROBE TYPE	SCINT
K-FACTOR	6.01 E-5
DEAD TIME	92us
TIME CONSTANT	1SEC
PROBE DIA.	1 5/8"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	ERIC
DRILLER	
CONTRACTOR	BOYLES
LAST A.E.C. PIT RUN	8-31-77
FLUID LEVEL	NA
REMARKS:	



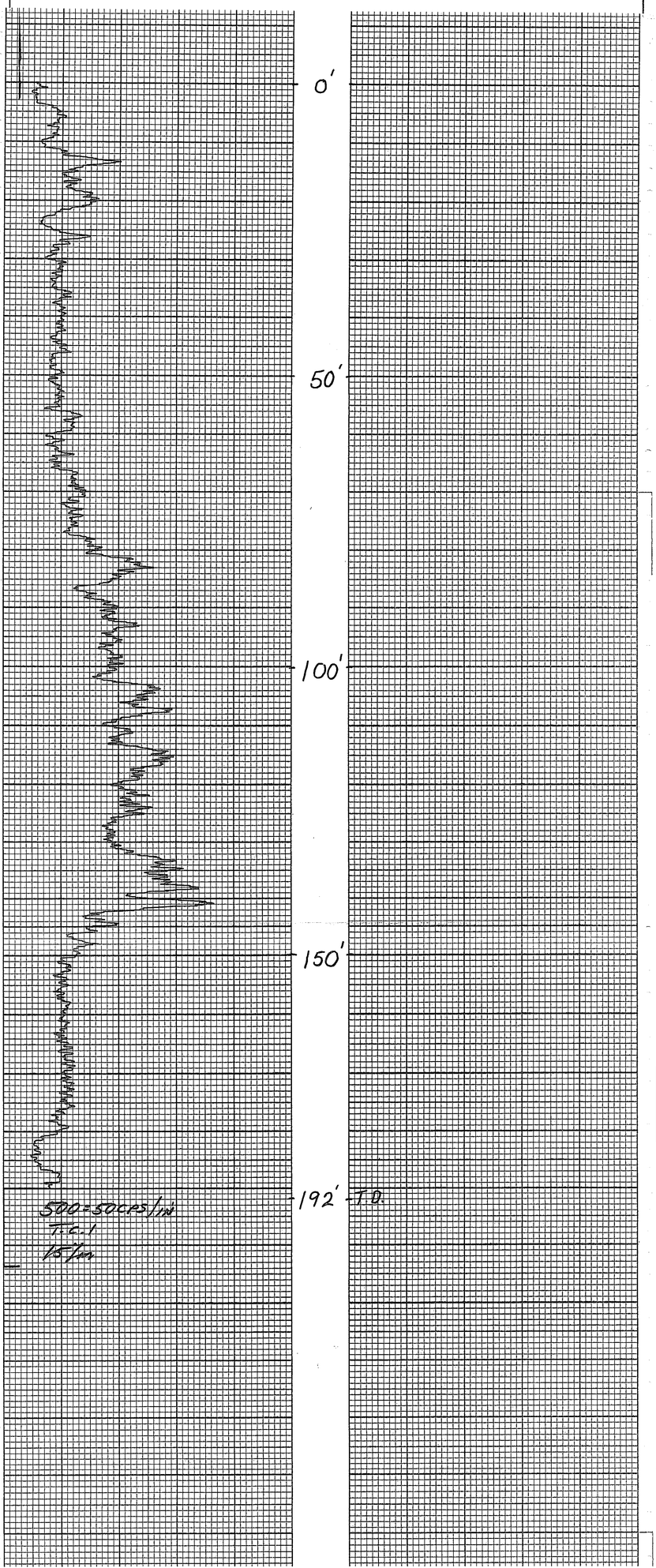
MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-72

LOCATION	ANDERSEN MINE 1204489.82N 82717.54E	GAMMA SCALE	500=50CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
GP.	1,201,999N 636,397E ELEV. 1787	K-FACTOR	2.25 X 10⁻⁵
		DEAD TIME	9.6 μSEC
		TIME CONSTANT	1
SEC.	TWP. 11N RGE. 10W	PROBE DIA.	1 11/16"
DATE	12-10-75	CALIPER	—
DEPTH DRILLED	200'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	192'	TEMPERATURE	—
FOOTAGE LOGGED	192'	OPERATOR	D. BRADLEY
HOLE DIAMETER	(0-200' 5 5/8")	DRILLER	STAN
WATER FACTOR	—	CONTRACTOR	REID
RESISTIVITY	— OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	DRY

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



MINERALS EXPLORATION CO.

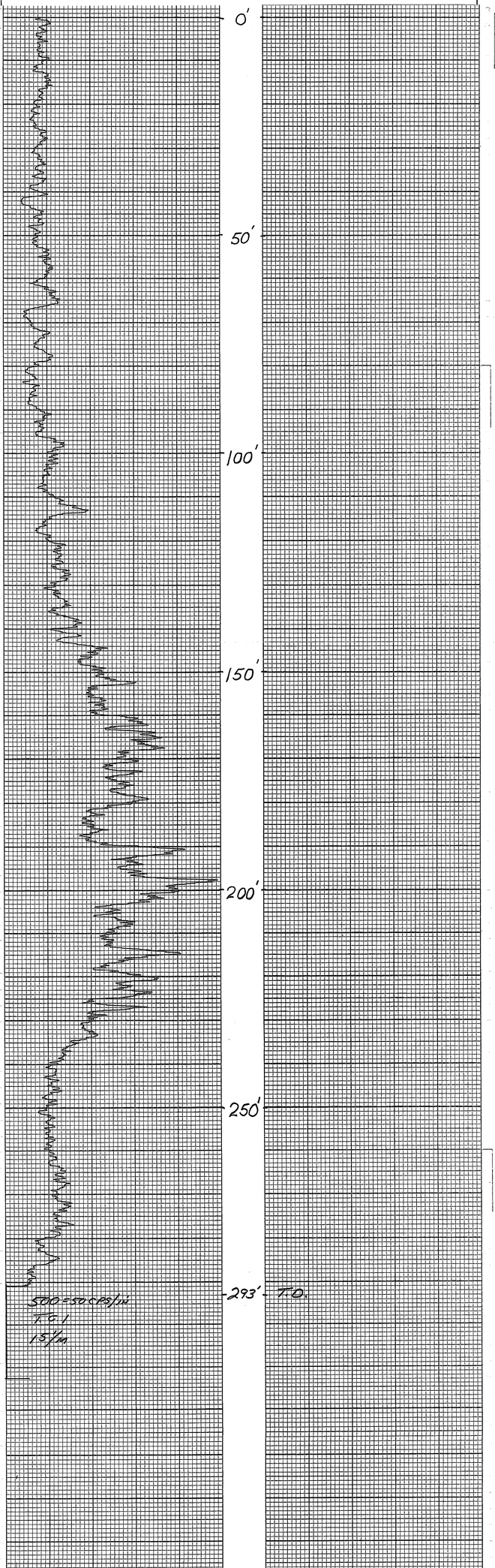
CASPER, WYOMING

HOLE NO. AM-73

LOCATION	ANDERSEN MINE 1204' 474.56N 83 121.34E			GAMMA SCALE	500=50CPS/in
COUNTY	YAVAPAI	STATE	ARIZONA	PROBE TYPE	SCINT
GP.	4 FEET 99 IN 636 BOLE	ELEV.	1833	K-FACTOR	2.25 X10^{-5}
				DEAD TIME	9.6 MSEC
				TIME CONSTANT	1
SEC.	TWP. 11N	RGE. 10W		PROBE DIA.	1 11/16"
DATE	12-10-75			CALIPER	—
DEPTH DRILLED	300'			DIRECTIONAL SURVEY	—
DEPTH LOGGED	293'			TEMPERATURE	—
FOOTAGE LOGGED	293'			OPERATOR	D. BRADLEY
HOLE DIAMETER	(0'-300' 5 1/8")			DRILLER	STAN REID
WATER FACTOR				CONTRACTOR	
RESISTIVITY	—	OHMS/INCH		LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	—	M.V./IN.		FLUID LEVEL	DRY

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

REMARKS:



MINERALS EXPLORATION CO.

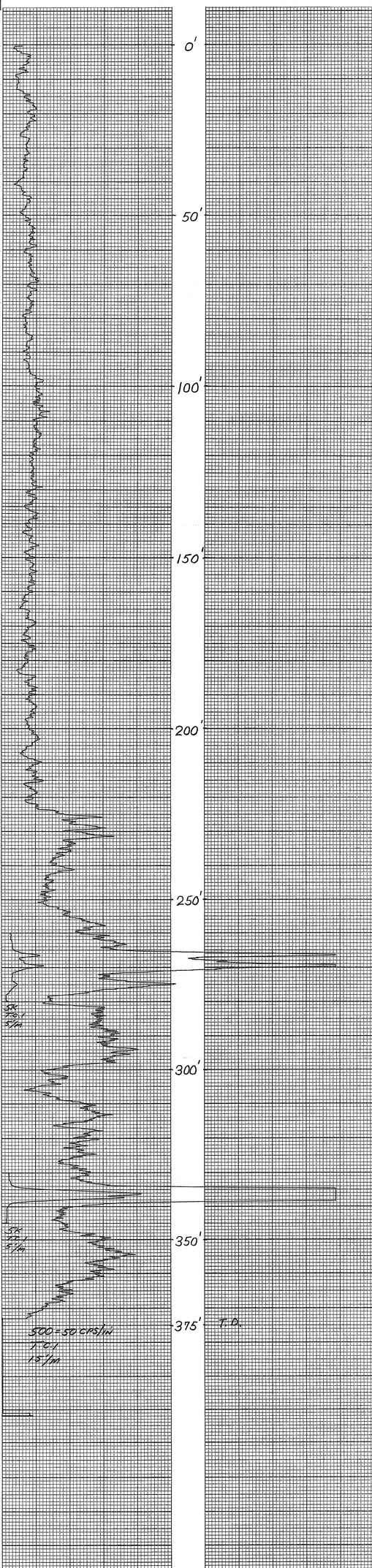
CASPER, WYOMING

HOLE NO. AM-74

LOCATION	ANDERSEN MINE 1204903.21N 83089.00E	GAMMA SCALE	500=50CPS/IN.
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25×10^{-5}
GP.	4,202,419 N 636,761 E	DEAD TIME	9.6 μSEC
ELEV.	1864	TIME CONSTANT	1
SEC.	TWP. 11N	RGE. 10W	PROBE DIA. 1 11/16"
DATE	12-10-75	CALIPER	—
DEPTH DRILLED	380'	DIRECTIONAL SURVEY	—
DEPTH LOGGED	375'	TEMPERATURE	—
FOOTAGE LOGGED	410'	OPERATOR	D. BRADLEY
HOLE DIAMETER	5 7/8	DRILLER	STAN
WATER FACTOR	—	CONTRACTOR	REID
RESISTIVITY	— OHMS/INCH	LAST A.E.C. PIT RUN	11-1-75
SELF POTENTIAL	— M.V./IN.	FLUID LEVEL	DRY

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	345'	280'	
TOP	330'	260'	
TOTAL FEET	15'	20'	
SCALE RUN	5K	5K	

REMARKS:



MINERALS EXPLORATION CO.

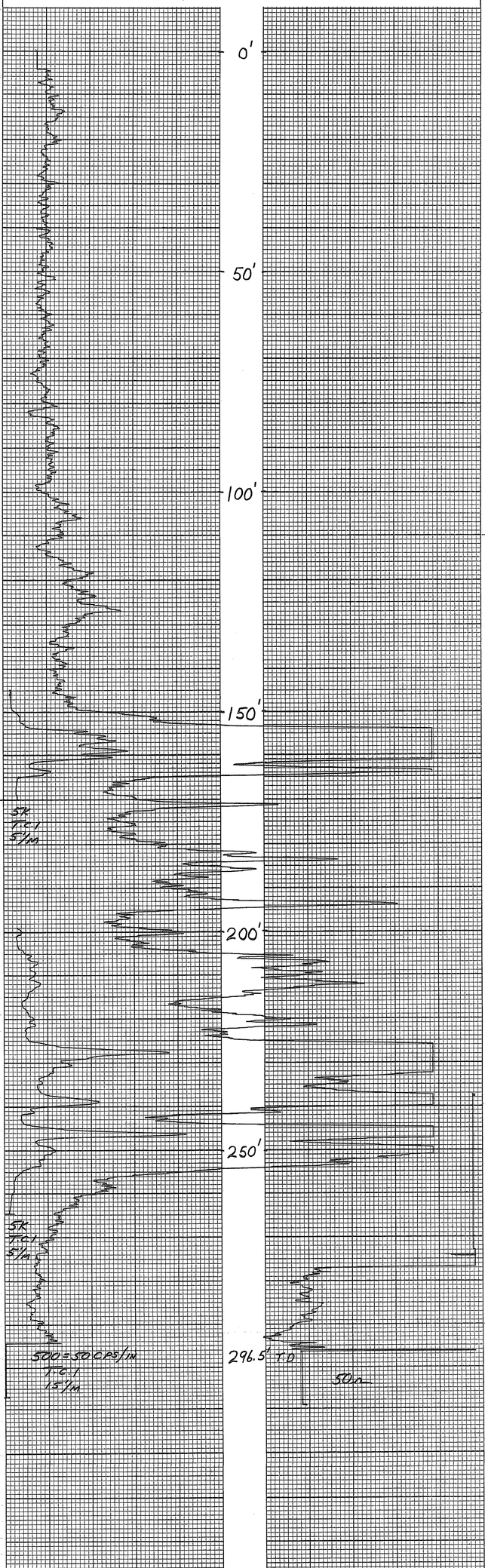
CASPER, WYOMING

HOLE NO. AM-75

LOCATION	ANDERSEN MINE 1205 277.37N 83 138.77E
COUNTY	YAVAPAI STATE ARIZONA
GP.	1,202,707N 636,804E ELEV. 1750
SEC.	TWP. 11N RGE. 10W

DATE	12-10-75		
DEPTH DRILLED	300'		
DEPTH LOGGED	296.5'		
FOOTAGE LOGGED	386.5'		
HOLE DIAMETER	5-5/8"		
WATER FACTOR	1.127		
RESISTIVITY	10 OHMS/INCH		
SELF POTENTIAL	— M.V./IN.		
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	265'	170'	
TOP	200'	145'	
TOTAL FEET	65'	25'	
SCALE RUN	5K	5K	

GAMMA SCALE	500=50 CPS/IN.
PROBE TYPE	SCINT
K-FACTOR	2.25×10^{-5}
DEAD TIME	9.6 MSEC
TIME CONSTANT	1
PROBE DIA.	1 11/16"
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	D. BRADLEY
DRILLER	SHARPE
CONTRACTOR	REID
LAST A.E.C. PIT RUN	11-1-75
FLUID LEVEL	200'
REMARKS:	



MINERALS EXPLORATION CO.

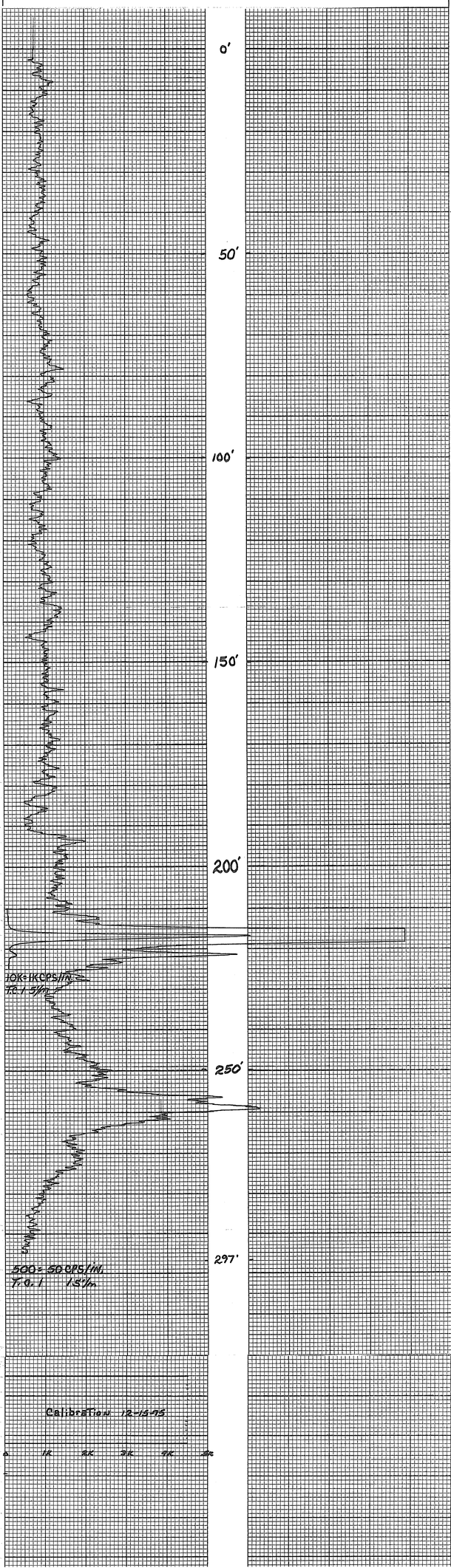
CASPER, WYOMING

HOLE NO. AM - 76

LOCATION	ANDERSON MINE 1205 677.47N 83 471.01E
COUNTY	YAVAPAI
STATE	ARIZONA
GP.	~~1,203,200N 697,129E~~
ELEV.	1764
SEC.	9
TWP.	11N
RGE.	10W
DATE	Dec. 15, 1975
DEPTH DRILLED	300'
DEPTH LOGGED	297'
FOOTAGE LOGGED	8 1/2'
HOLE DIAMETER	5 1/8" To 300'
WATER FACTOR	NO WATER
RESISTIVITY	OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	225'		
TOP	210		
TOTAL FEET	15'		
SCALE RUN	10K=1KCPS/in.		

GAMMA SCALE	500=50CPS/in.
PROBE TYPE	Scint.
K-FACTOR	2.28×10^{-5}
DEAD TIME	9.6 m sec.
TIME CONSTANT	1
PROBE DIA.	1 3/4"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Shand
CONTRACTOR	REID
LAST A.E.C. PIT RUN	Aug. 2, 1975
FLUID LEVEL	—
REMARKS:	

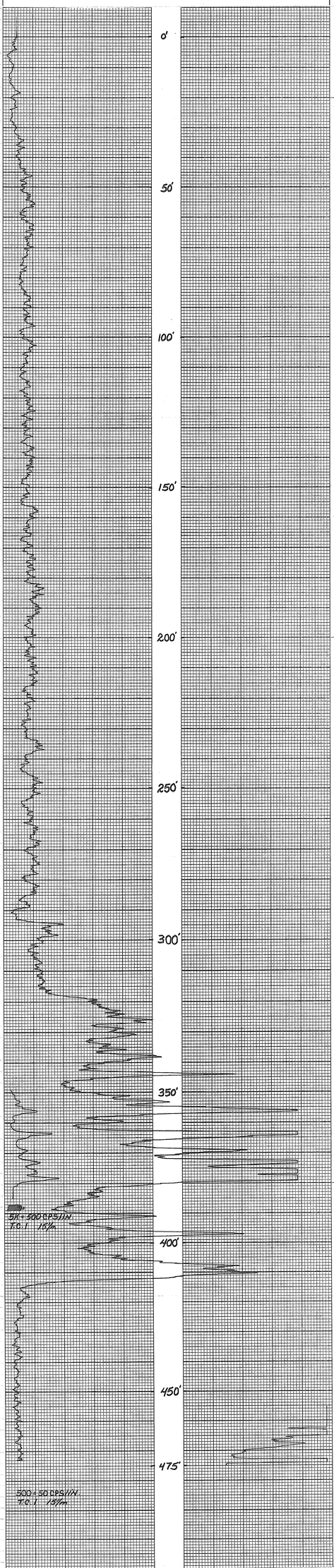


MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-77

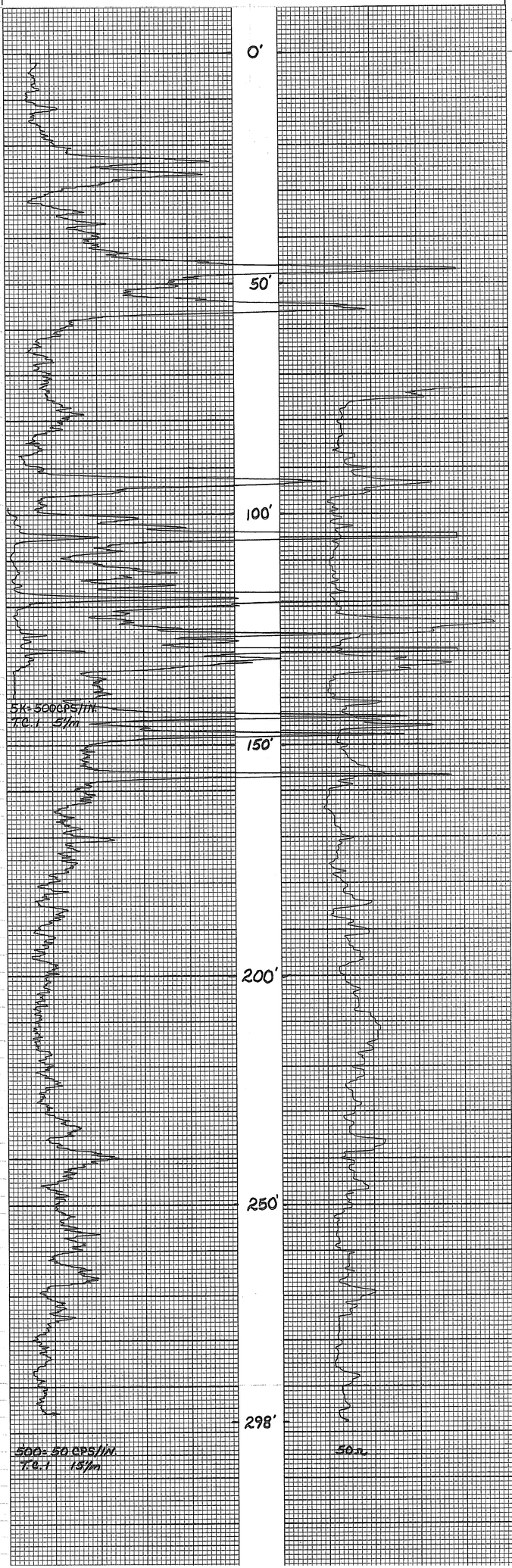
LOCATION	ANDERSON MINE 1205-265.88N 83 555.63E	GAMMA SCALE	500: 50 CPS/IN.
COUNTY	YAVAPAI	STATE	ARIZONA	PROBE TYPE	SciNT.
GP.	T.20N. R3W E	ELEV.	1844'	K-FACTOR	2.25 10^{-5}
SEC.	9	TWP.	11N	RGE.	10W	DEAD TIME	9.6 usec.
DATE	Aug. 15, 1975	TIME CONSTANT	1
DEPTH DRILLED	480'	PROBE DIA.	1 5/8"
DEPTH LOGGED	475'	CALIPER	
FOOTAGE LOGGED	510'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5 1/4" To 10' 5 1/2" To 480'	TEMPERATURE	
WATER FACTOR	1.162 1.157	OPERATOR	Hudson
RESISTIVITY	OHMS/INCH	DRILLER	STARNER
SELF POTENTIAL	M.V./IN.	CONTRACTOR	REID
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	LAST A.E.C. PIT RUN	Aug. 2, 1975
BOTTOM	385'			FLUID LEVEL	463'
TOP	350'			REMARKS:
TOTAL FEET	35'			
SCALE RUN	5K=500CPS/IN.		



MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM-78

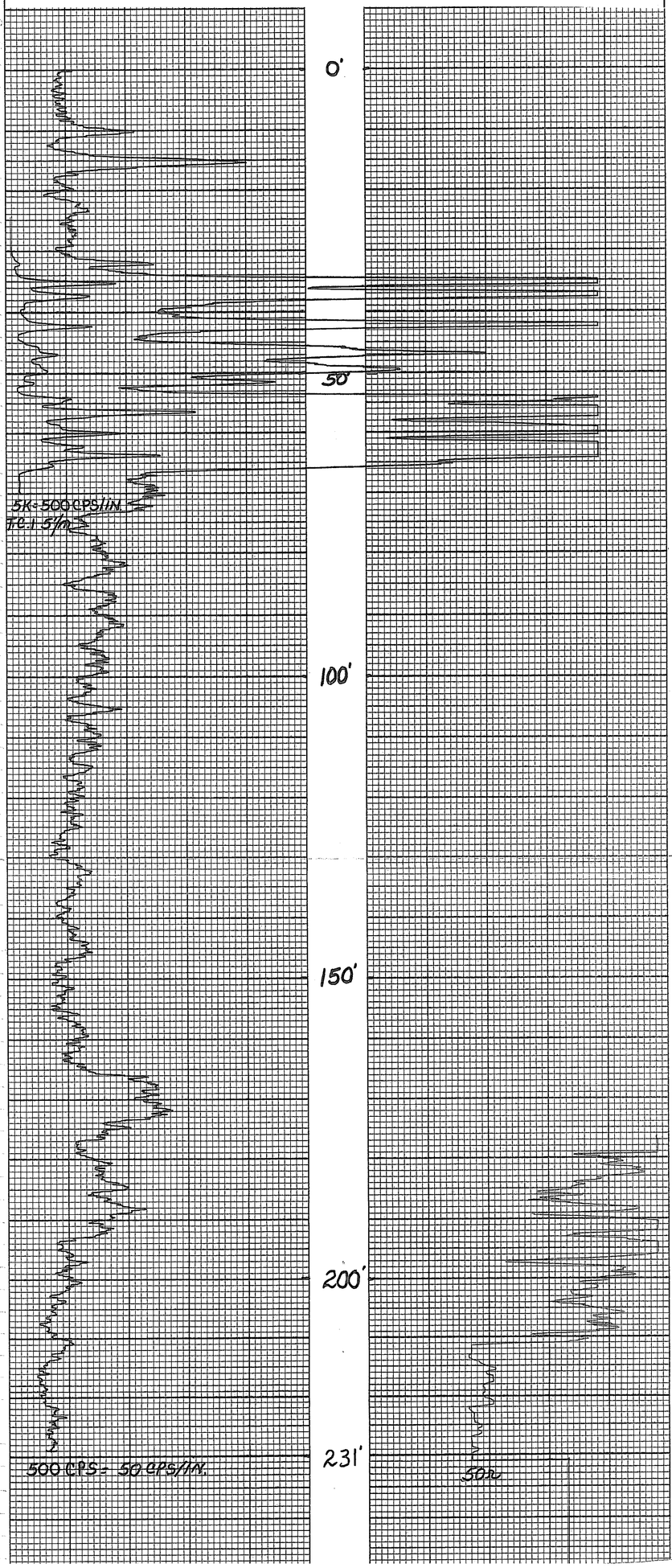
LOCATION	ANDERSON MINE 1204 330.55N 91 320.10E			**GAMMA SCALE**	500=50CPS/IN.
COUNTY	Yavapai	**STATE**	ARIZONA	**PROBE TYPE**	SciNT.
GP.	~~1,301,998N 645,203E~~	**ELEV.**	1944	**K-FACTOR**	2.25^{10-5}
				DEAD TIME	9.6 μsec.
				TIME CONSTANT	1
SEC.	**TWP.** 11N	**RGE.**	10W	**PROBE DIA.**	1 11/16"
DATE	Dec. 15, 1975			**CALIPER**	
DEPTH DRILLED	300'			**DIRECTIONAL SURVEY**	
DEPTH LOGGED	298'			**TEMPERATURE**	
FOOTAGE LOGGED	340'			**OPERATOR**	Hudson
HOLE DIAMETER	5⅞" To 300'			**DRILLER**	Sharp
WATER FACTOR	1.157			**CONTRACTOR**	REID
RESISTIVITY	50 OHMS/~~INCH~~			**LAST A.E.C. PIT RUN**	Aug. 2., 1975
SELF POTENTIAL	M.V./IN.			**FLUID LEVEL**	73'
RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**	**REMARKS:**	
BOTTOM	140'				
TOP	98'				
TOTAL FEET	42'				
SCALE RUN	5K= 500CPS/IN.				



MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM-79

LOCATION	ANDERSON MINE 1204 729.52N 91 527.28E			**GAMMA SCALE**	500 = 50CPS/IN.
				PROBE TYPE	SciNT.
COUNTY	Yavapai **STATE** ARIZONA			**K-FACTOR**	2.25^{10-5}
GP.	~~1-262, 397N 645, 201E~~ **ELEV.** 1904'			**DEAD TIME**	9.6 μsec.
				TIME CONSTANT	1
SEC.	**TWP.** 11N **RGE.** 10W			**PROBE DIA.**	1⅜"
DATE	Dec. 15, 1975			**CALIPER**	
DEPTH DRILLED	240'			**DIRECTIONAL SURVEY**	
DEPTH LOGGED	231'			**TEMPERATURE**	
FOOTAGE LOGGED	271'			**OPERATOR**	Hudson
HOLE DIAMETER	5⅝" To 240'			**DRILLER**	Starner
WATER FACTOR	1.177			**CONTRACTOR**	REID
RESISTIVITY	10 OHMS/INCH			**LAST A.E.C. PIT RUN**	Aug. 15, 1975
SELF POTENTIAL	M.V./IN.			**FLUID LEVEL**	180'
RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**	**REMARKS:**	
BOTTOM	70'				
TOP	30'				
TOTAL FEET	40'				
SCALE RUN	5K=500 CPS/IN.				

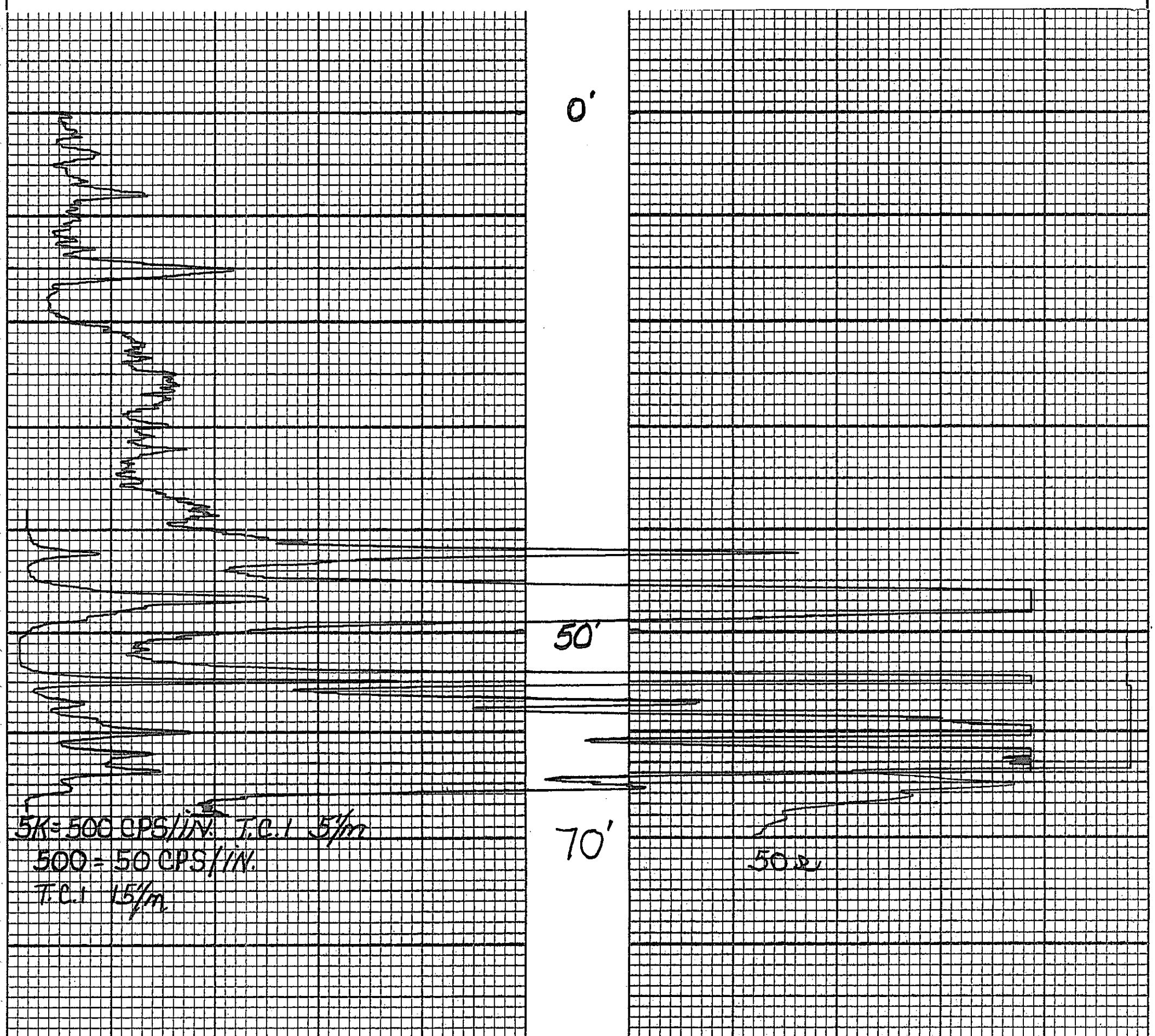


MINERALS EXPLORATION CO.

CASPER, WYOMING **HOLE NO.** AM-79C

LOCATION	ANDERSON MINE 1204724.52N 91527.19E	**GAMMA SCALE**	500=50 CPS/IN.
COUNTY	Yavapai **STATE** ARIZONA	**PROBE TYPE**	Scint.
GP. ~~1,202,392N~~ ~~645,201E~~	**ELEV.** 1905'	**K-FACTOR**	2.25^{10-5}
		DEAD TIME	9.6 μ sec.
SEC.	**TWP.** 11N **RGE.** 10W	**TIME CONSTANT**	1
		PROBE DIA.	1⅜"
DATE	Dec. 17, 1975	**CALIPER**	
DEPTH DRILLED	70'	**DIRECTIONAL SURVEY**	
DEPTH LOGGED	70'	**TEMPERATURE**	
FOOTAGE LOGGED	100'	**OPERATOR**	Hudson
HOLE DIAMETER	3⅞" To 70'	**DRILLER**	STarner
WATER FACTOR		**CONTRACTOR**	REID
RESISTIVITY	10 OHMS/INCH	**LAST A.E.C. PIT RUN**	Aug. 2, 1975
SELF POTENTIAL	M.V./IN.	**FLUID LEVEL**	64'

RERUNS	**1ST. RUN**	**2ND. RUN**	**3RD. RUN**	**REMARKS:**
BOTTOM	68'			
TOP	38'			
TOTAL FEET	30'			
SCALE RUN	5K=500CPS/IN.			



MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-80

LOCATION	ANDERSON MINE 1204335.84N 91116.13E
COUNTY	Yavapai
STATE	ARIZONA
GP.	~~1,201,996 N~~ ~~644,797 E~~
ELEV.	1984
SEC.	
TWP.	11N
RGE.	10w
DATE	Dec. 16, 1975
DEPTH DRILLED	320'
DEPTH LOGGED	317'
FOOTAGE LOGGED	360'
HOLE DIAMETER	5⅝" To 320'
WATER FACTOR	1.177
RESISTIVITY	10 OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	210'	170'	118'
TOP	195'	155'	105'
TOTAL FEET	15'	15'	13'
SCALE RUN	5K=500 CPS/IN.	5K=500CPS/IN.	1K=100CPS/IN.

GAMMA SCALE	500 = 50CPS/IN.
PROBE TYPE	Scint.
K-FACTOR	2.25 10^{-5}
DEAD TIME	9.6 μsec.
TIME CONSTANT	1
PROBE DIA.	1 11/16"
CALIPER	
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Sharp.
CONTRACTOR	REID
LAST A.E.C. PIT RUN	Aug. 2, 1975
FLUID LEVEL	135'
REMARKS:	

UNION OIL COMPANY

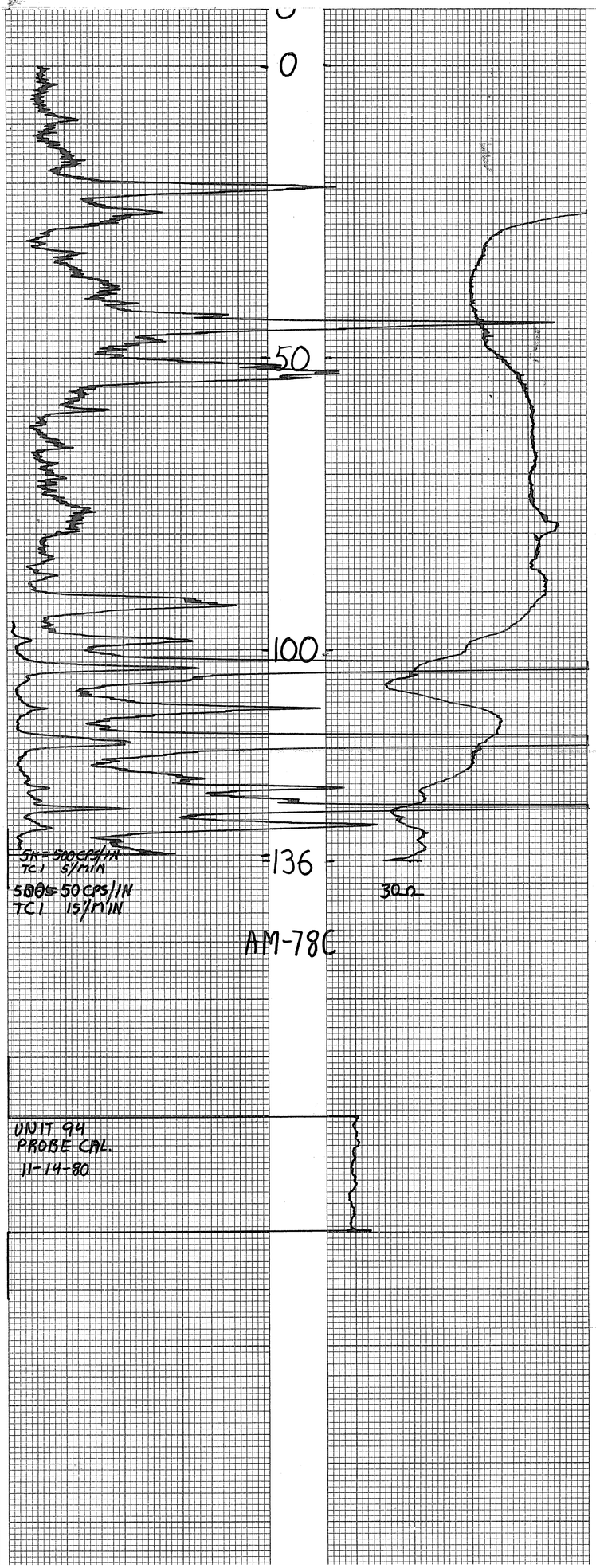
ENERGY MINING DIVISION CASPER, WYOMING HOLE NO. AM-78C

LOCATION	ANDERSON Mine		
COUNTY	Yavapai	STATE	Arizona
GP.		ELEV.	
SEC.	11	TWP. 11N	RGE. 10W
DATE	11-14-80		
DEPTH DRILLED	140		
DEPTH LOGGED	136		
FOOTAGE LOGGED	175		
HOLE DIAMETER	0-101 (6 6/8)	101-140 (5 5/8)	
WATER FACTOR	1.196	1.177	
RESISTIVITY	30 OHMS/[redacted]		
SELF POTENTIAL	— M.V./IN.		

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	134		
TOP	95		
TOTAL FEET	39		
SCALE RUN	5K=500CPS/IN		

GAMMA SCALE	500=50 CPS/IN
PROBE TYPE	Scint.
K-FACTOR	2.26×10^{-5}
DEAD TIME	8.52 μsec.
TIME CONSTANT	1
PROBE DIA.	1 1/16
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	Harris
DRILLER	Larry
CONTRACTOR	DEI
LAST A.E.C. PIT RUN	11-10-80
FLUID LEVEL	25'

REMARKS:



RECORDED BY GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

PRINTED IN U.S.A.

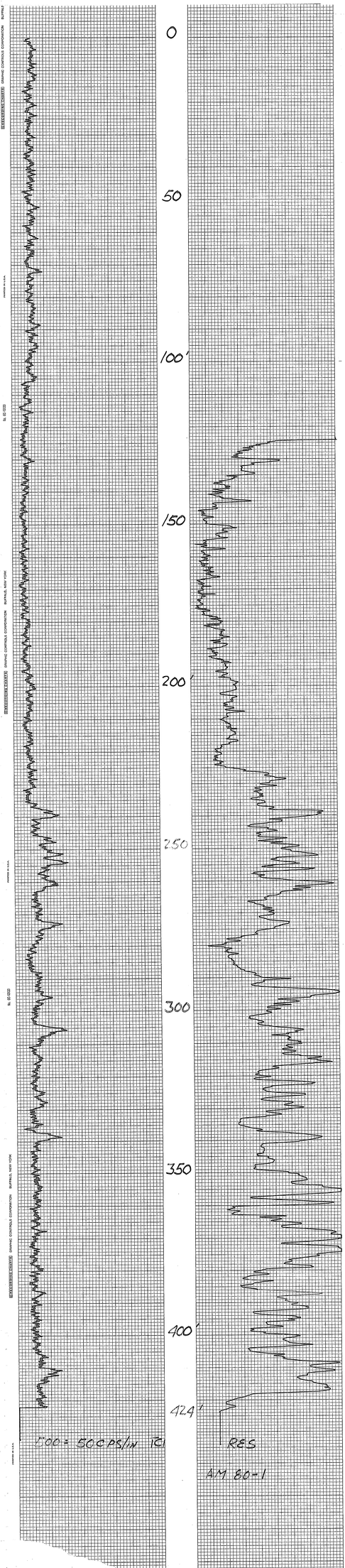
RECORDED BY GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

UNION OIL COMPANY

ENERGY MINING DIVISION — CASPER, WYOMING — HOLE NO. AM80-1

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.		ELEV.	
SEC.	TWP.	RGE.	
DATE	3-23-80		
DEPTH DRILLED	420'		
DEPTH LOGGED	424'		
FOOTAGE LOGGED	424'		
HOLE DIAMETER	5 5/8		
WATER FACTOR	1.179		
RESISTIVITY	50	OHMS/INCH	
SELF POTENTIAL		M.V./IN.	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

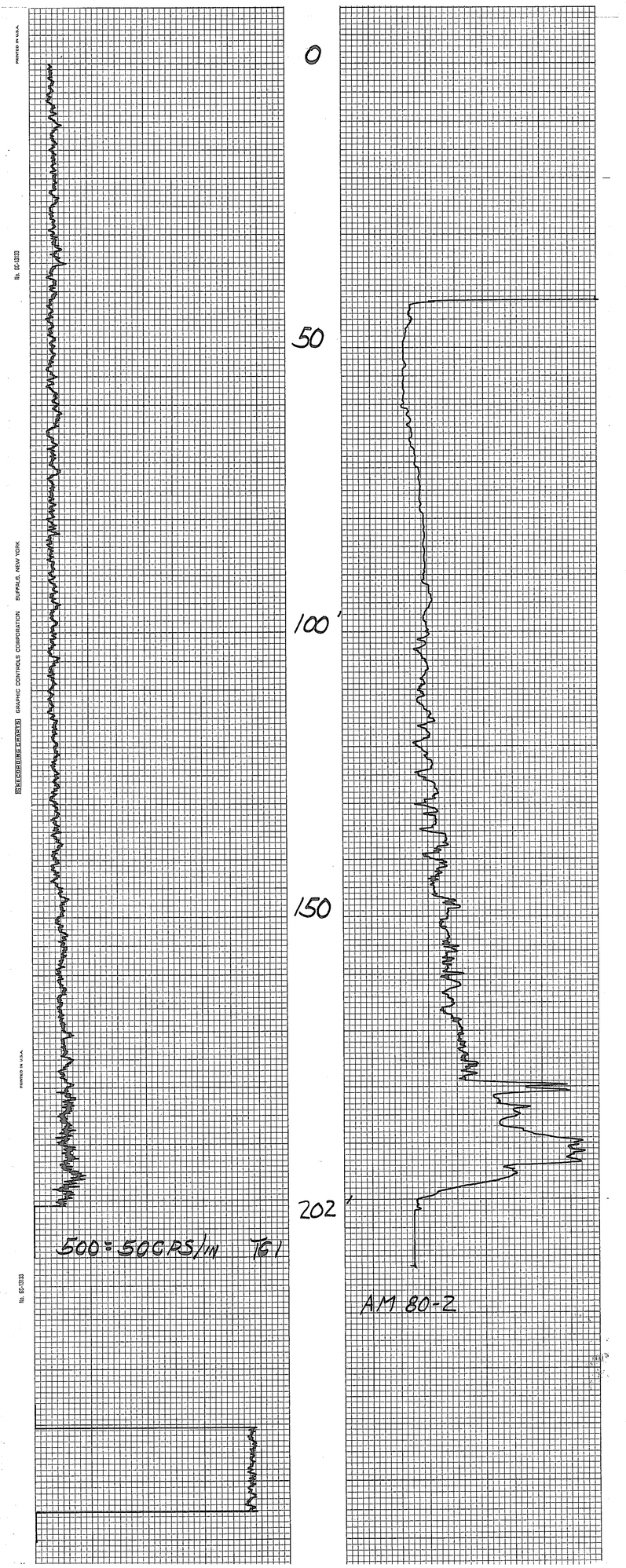
GAMMA SCALE	500 = 50CPS
PROBE TYPE	SCINT.
K-FACTOR	2.35X10-5
DEAD TIME	8.7μs
TIME CONSTANT	1
PROBE DIA.	1 11/16
CALIPER	UNIT 137
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	RUSS
CONTRACTOR	REID
LAST A.E.C. PIT RUN	3-5-80
FLUID LEVEL	
REMARKS:	



UNION OIL COMPANY

ENERGY MINING DIVISION — CASPER, WYOMING — HOLE NO. AM 80-2

LOCATION	ANDERSON MINE			GAMMA SCALE	500=50 CPS
COUNTY	YAVAPAI	STATE	ARIZONA	PROBE TYPE	SCINT.
GP.		ELEV.		K-FACTOR	2.35x10·5
				DEAD TIME	8.7μ
SEC.	TWP.		RGE.	TIME CONSTANT	1
DATE	3-24-80			PROBE DIA.	1 11/16
DEPTH DRILLED	200'			CAMPER UNIT	137
DEPTH LOGGED	202'			DIRECTIONAL SURVEY	
FOOTAGE LOGGED	202'			TEMPERATURE	
HOLE DIAMETER	5 1/8			OPERATOR	KETTERLING
WATER FACTOR	1.157			DRILLER	RUSSELL. S
RESISTIVITY	50	OHMS/INCH		CONTRACTOR	REID
SELF POTENTIAL		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					



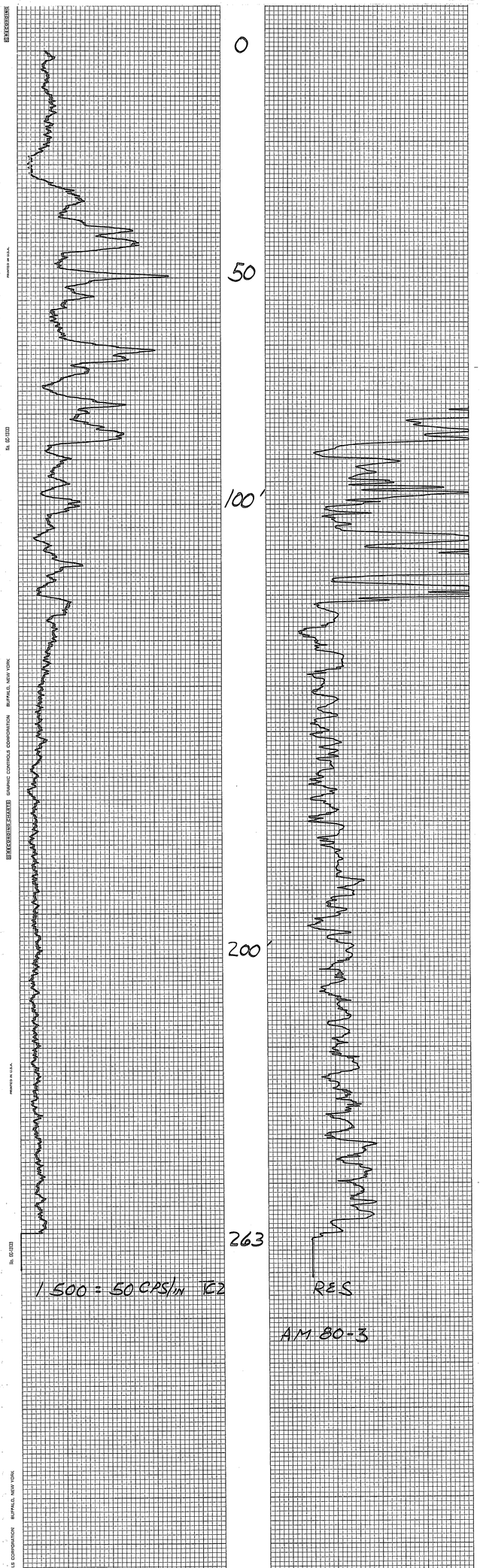
UNION OIL COMPANY

ENERGY MINING DIVISION CASPER, WYOMING HOLE NO. AM 80-3

LOCATION	ANDERSON MINE		
COUNTY	YAVAPAI	STATE	ARIZONA
GP.		ELEV.	
SEC.		TWP.	RGE.
DATE	3-24-80		
DEPTH DRILLED	260'		
DEPTH LOGGED	263'		
FOOTAGE LOGGED	263'		
HOLE DIAMETER	5 1/8		
WATER FACTOR	1.177		
RESISTIVITY	50	OHMS/INCH	
SELF POTENTIAL		M.V./IN.	

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

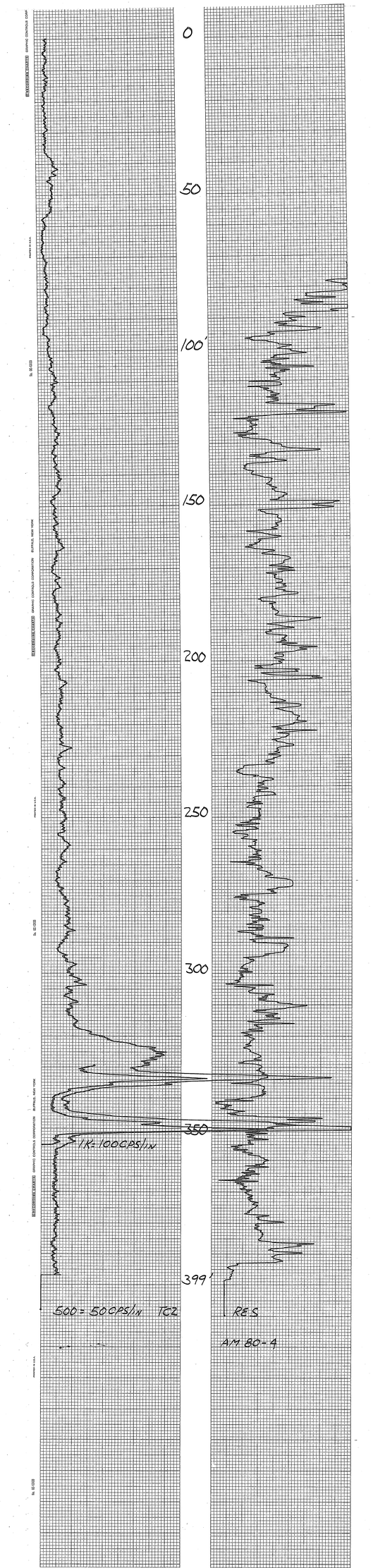
GAMMA SCALE	500=50CPS
PROBE TYPE	SC INT.
K-FACTOR	2.35 X10-5
DEAD TIME	8.7μ
TIME CONSTANT	1
PROBE DIA.	1 11/16
CAMPER UNIT	137
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERLING
DRILLER	RUSSELL S
CONTRACTOR	REID
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



UNION OIL COMPANY

ENERGY MINING DIVISION — CASPER, WYOMING — HOLE NO. AM 80-4

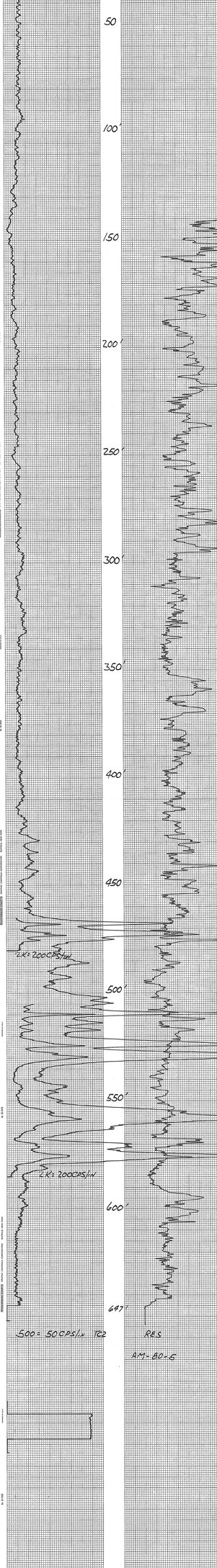
LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT.
GP.	ELEV.	K-FACTOR	2.35X10-5
SEC.	TWP. RGE.	DEAD TIME	8.7μ
DATE	3-29-80	TIME CONSTANT	1
DEPTH DRILLED	400	PROBE DIA.	1 11/16
DEPTH LOGGED	399	CAMPBELL UNIT	137
FOOTAGE LOGGED	399	DIRECTIONAL SURVEY	
HOLE DIAMETER	5 5/8	TEMPERATURE	
WATER FACTOR	1.179	OPERATOR	KETTERLING
RESISTIVITY	50 OHMS/INCH	DRILLER	RUSSELL S
SELF POTENTIAL	M.V./IN.	CONTRACTOR	REID
RERUNS	1ST. RUN / 2ND. RUN / 3RD. RUN	LAST A.E.C. PIT RUN	
BOTTOM	355	FLUID LEVEL	
TOP	330	REMARKS:	
TOTAL FEET	25		
SCALE RUN	1"=100'S		



UNION OIL COMPANY

ENERGY MINING DIVISION — CASPER, WYOMING — HOLE NO. AM 80-6

LOCATION	ANDERSON MINE	GAMMA SCALE	500-5000 CPS
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT.
GP.	ELEV.	K-FACTOR	2.35x10-5
		DEAD TIME	0.7 μs
SEC.	TWP. RGE.	TIME CONSTANT	1
DATE	3-25-80	PROBE DIA.	1 1/16
DEPTH DRILLED	460'	CALIPER (UNIT)	13"
DEPTH LOGGED	457'	DIRECTIONAL SURVEY	
FOOTAGE LOGGED	322'	TEMPERATURE	
HOLE DIAMETER	5 5/8	OPERATOR	KETTERING
WATER FACTOR	1.179	DRILLER	RUSSELL S. REID
RESISTIVITY	50 OHMS/INCH	CONTRACTOR	3-5-80
SELF POTENTIAL	M.V./IN.	LAST A.E.C. PIT RUN	
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	FLUID LEVEL	
BOTTOM	385 480	REMARKS:	
TOP	305 465		
TOTAL FEET	80 15		
SCALE RUN	2K=200CPS 2K=200CPS		



UNION OIL COMPANY

ENERGY MINING DIVISION — CASPER, WYOMING — HOLE NO. AM 80-6

LOCATION	ANDERSON MINE			GAMMA SCALE	500=50CPS
COUNTY	YAVAPAI	STATE ARIZONA		PROBE TYPE	SCINT.
GP.		ELEV.		K-FACTOR	2.35x10-5
				DEAD TIME	8.7μ
				TIME CONSTANT	2
SEC.	TWP.	RGE.		PROBE DIA.	1 11/16
DATE	3-27-80			CALIPER UNIT	137
DEPTH DRILLED	1180'			DIRECTIONAL SURVEY	
DEPTH LOGGED	1185'			TEMPERATURE	
FOOTAGE LOGGED	1185'			OPERATOR	KETTERling
HOLE DIAMETER	5 5/8			DRILLER	RUSSEll. S
WATER FACTOR	1.177			CONTRACTOR	REID
RESISTIVITY	50 OHMS/INCH			LAST A.E.C. PIT RUN	3-5-80
SELF POTENTIAL	M.V./IN.			FLUID LEVEL	
RERUNS	1ST. RUN	2ND. RUN	3RD. RUN	REMARKS:	
BOTTOM					
TOP					
TOTAL FEET					
SCALE RUN					

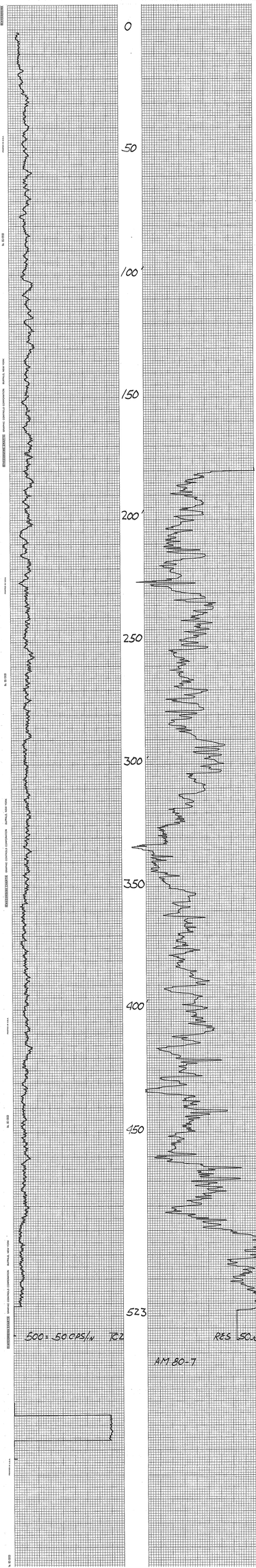
UNION OIL COMPANY

ENERGY MINING DIVISION — CASPER, WYOMING — HOLE NO. AM 80-7

LOCATION	ANDERSON MINE
COUNTY	YAVAPAI STATE ARIZ.
GP.	ELEV.
SEC.	TWP. RGE.
DATE	3-28-80
DEPTH DRILLED	520'
DEPTH LOGGED	523'
FOOTAGE LOGGED	523'
HOLE DIAMETER	5 5/8
WATER FACTOR	1.177
RESISTIVITY	50 OHMS/INCH
SELF POTENTIAL	- M.V./IN.

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

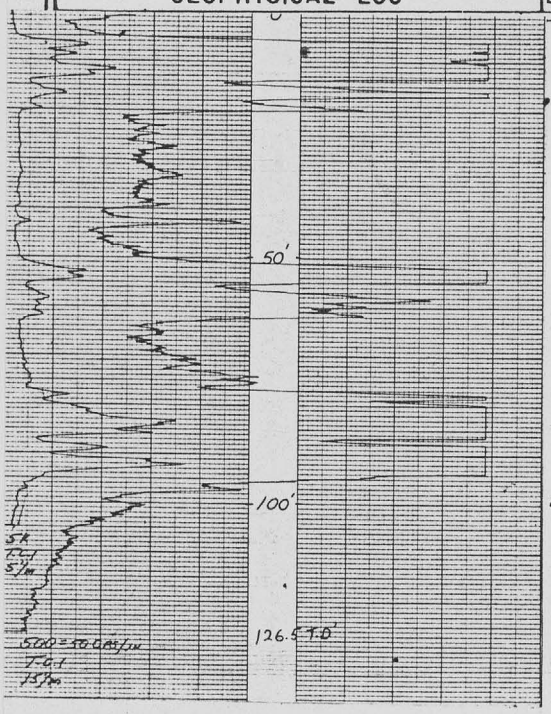
GAMMA SCALE	500=50CPS
PROBE TYPE	SCINT.
K-FACTOR	2.35x10-5
DEAD TIME	8.7μs
TIME CONSTANT	2
PROBE DIA.	1.11/16
CASING UNIT	137
DIRECTIONAL SURVEY	
TEMPERATURE	
OPERATOR	KETTERING
DRILLER	RUSSELL S
CONTRACTOR	ABCO
LAST A.E.C. PIT RUN	
FLUID LEVEL	
REMARKS:	



PROJECT ANDERSON MINE HOLE SIZE 5 5/8 ☒ AIR ☐ WATER HOLE NO. AM-71

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY DBD DATE 12-10-75

SECTION _____ TOWNSHIP _____ RANGE _____ T.D. 130 P.D. _____



MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-71

LOCATION	ANDERSEN MINE	GAMMA SCALE	500=50CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
GP.	1,203,206 N G30, 708 E ELEV. 1699	K-FACTOR	.225 X 10⁻⁵
SEC.	TWP. 11N RGE. 10W	DEAD TIME	9.6 μSEC
DATE	12-10-75	TIME CONSTANT	1
DEPTH DRILLED	130'	PROBE DIA.	1 11/16"
DEPTH LOGGED	126.5'	CALIPER	–
FOOTAGE LOGGED	231.5'	DIRECTIONAL SURVEY	–
HOLE DIAMETER	5 5/8"	TEMPERATURE	–
WATER FACTOR	–	OPERATOR	D. BRADLEY
RESISTIVITY	– OHMS/INCH	DRILLER	SHARPE
SELF POTENTIAL	– M.V./IN.	CONTRACTOR	REID
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	11-1-75
BOTTOM	105'	FLUID LEVEL	DRY
TOP	0'	REMARKS:	
TOTAL FEET	105'		
SCALE RUN	5K		

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

0-15 white and grey grn ls w/red chert & bentonite possibly uranium

15-30 olive grn siltstn w/ mod bentonite

30-35 white ls w/red chert - w/uranium

35-45 olive grn sandy ls w/orange chert

45-50 brn-olive grn siltstn

50.60 red-brn siltstn

60-80 red & grn shale w/ red.brn chert.

80-100 med brn to red brn siltstn

100-130 dk red brn siltstn w/ weathered volcanic fragments.

-130 - T.D.

DIAMOND DRILL LOG

SCALE 1"=10' STARTED _____ STOPPED _____ NOTES BY K. TAYLOR 11/77

DEPTH 43-100 BEARING _____ INCLINATION _____

HOLE No. AMTIC SHEET 1 OF 1

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

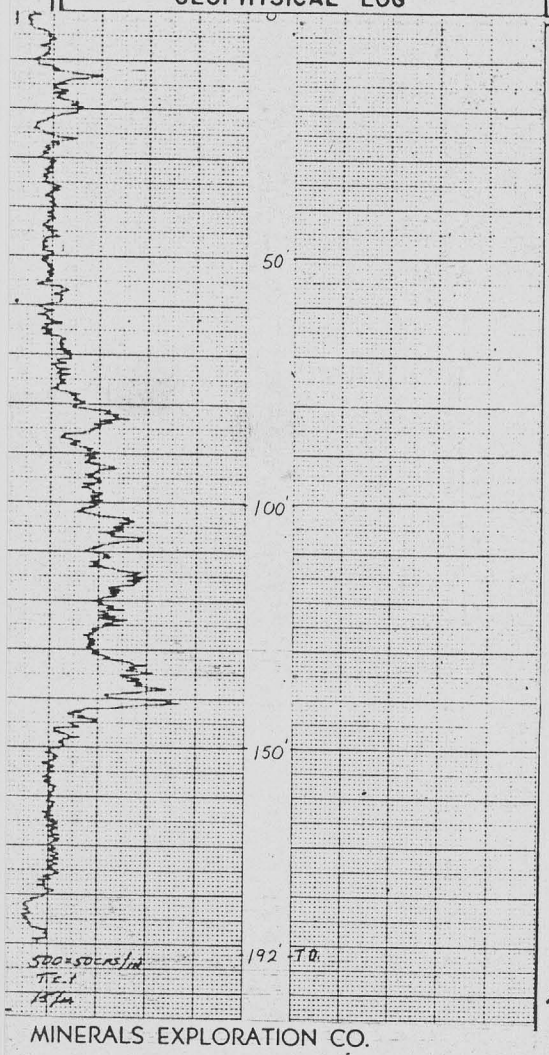
ASSAYS	% RECOV.	DEPTH 30	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
		40			Note: all colors wet HCl 10% angle FR			
			43					43.0'
		50			43-45.8 highly silicic - well lithisied + hard. abundant chert nodules. 45.8 - 47 poorly lithisied 47 - bright yellow oxide mineral 47.5 volcanic debris? alt feldspar/pink stain 51 54-56 silty claystone			dusky yellow green 5GY 5/2 clayey siltstone, siliceous cement, cherty blebs/veins hematite, jarosite stain on fractures + nodules good to poor lithisication, horizontal bedding, micaceous,
		60			58.8 moderate reddish brown 10R 3.5/6 silty clay (4") 59 abundant hematite-jarosite stain on fractures			
					60-75 NO CORE			
		70						
			75					
		80			79-80 poorly consolidated - light olive 5Y 5/2 81-86 pale red 5YR 5/2 to pinkish grey 5YR 8/1 to yellowish gray 5Y 8/1 81.3 - 83.7 moderate HCl rx 84.8 - 86.1 moderate hcl rx - bedding 10° 85 bedding 15°			
		90			88.9 - 92.5 poorly consolidated clayey siltstone 92.5 - 94 silty claystone moderate olive brown 5Y 4.5/4 93.4 greenish yellow clay mineral along fractures (along + xcutting bedding) flecks of carbon trash			
			95		96.4 carbon trash flecks.			95 light brown 5YR 6/4 pebble conglomerate, silty matrix, pebbles altered to clay w/ red and brown hematite-jarosite stain. - white stringers alt. feldspars (volcanic?) rk. frags/volcanic + andesitic.
		100	100		NO CORE			100
		110						
		120						

PROJECT Anderson Mine HOLE SIZE ____ ☑ AIR ☐ WATER HOLE NO. AM 72

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY JRL DATE 10 NOV 1975

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

GEOPHYSICAL LOG



SPC = 50 CPS/in
TC = 1
1 A/in

MINERALS EXPLORATION CO.
CASPER, WYOMING

LOCATION	ANDERSEN MINE	HOLE NO.	AM-72
COUNTY	YAVAPAI	STATE	ARIZONA
GP.	1,201,959N 636,397E	ELEV.	1787
SEC	TWP 11N	RGE 10W	
DATE	12-10-75		
DEPTH DRILLED	200		
DEPTH LOGGED	192		
FOOTAGE LOGGED	192		
HOLE DIAMETER	(0-200 5⅝)		
WATER FACTOR	—		
RESISTIVITY	—	OHMS INCH	
SELF POTENTIAL	—	M.V./IN	
RERUNS	1ST RUN	2ND RUN	3RD RUN
BOTTOM			
TOP			
TOTAL FEET			
SCALE RUN			

GAMMA SCALE	500 : 50 CPS/in
PROBE TYPE	SCINT
K-FACTOR	2.25 X 10⁻⁵
DEAD TIME	7.5 μSEC
TIME CONSTANT	1
PROBE DIA.	1 ⅝"
CALIPER	—
DIRECTIONAL SURVEY	—
TEMPERATURE	—
OPERATOR	D. BRADLEY
DRILLER	STAN
CONTRACTOR	REID
LAST A.I.C. PIT RUN	11-1-75
FLUID LEVEL	DRY
REMARKS	

DEPTH | P | C | A | STRIP LOG

LITHOLOGY LOG

0-10	Siltstn / Mudstn: brown, olive green
10-20	Siltstn / Mudstn: olive green, com olive green indurated frgts (Silica? cemt?)
20-25	Siltstn / Mudstn: olive green
25-30	Clay: white
30-35	Siltstn: olive green
35-40	Siltstn: grey, Tuffaceous
40-50	Siltstn: brown
50-	Siltstn: olive green, sctrd limstn chips @ 65', 85-100'
100-115	Siltstn / Mudstn: olive green
115-125	Siltstn / Mudstn: olive green, com or, red Fe staining
125-130	Siltstn / Mudstn: olive green
130-135	" " : " ", orange
135-140	Siltstn: abnt Red Fe stain indurated chips *
140-150	Siltstn: olive green
150-160	" " ", brown
160-175	" " ", orange
175-185	" " "
185-195	Volcnc Frgts: drk brown

T.D. = 195'

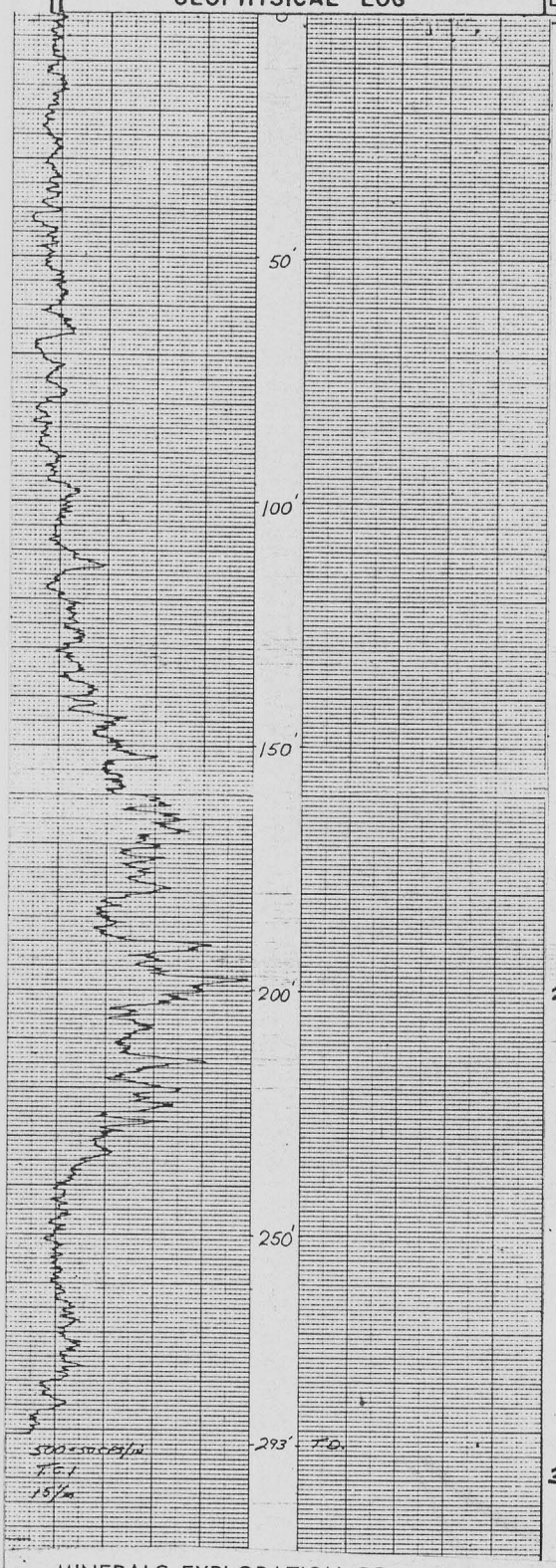
* = Altered zone?

PROJECT ANDERSON Mine HOLE SIZE ____ ☐ AIR ☐ WATER HOLE NO. AM 73

ELEVATION ____ NORTH ____ EAST ____ LOGGED BY JRLj. DATE 10 NOV 75

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

STAN STARNER



MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-73

LOCATION	ANDERSEN MINE	GAMMA SCALE	500=50CPS/IN
COUNTY	YAVAPAI	PROBE TYPE	SCINT
STATE	ARIZONA	K-FACTOR	2.25 X 10⁻⁵
GP.	1,201,991 N 636,801 E	DEAD TIME	9.6 MSEC
ELEV.	1833	TIME CONSTANT	1
SEC		PROBE DIA.	1 11/16"
TWP.	11N	CALIPER	—
RGE.	10W	DIRECTIONAL SURVEY	—
DATE	12-10-75	TEMPERATURE	—
DEPTH DRILLED	300'	OPERATOR	D. BRADLEY
DEPTH LOGGED	293'	DRILLER	STAN
FOOTAGE LOGGED	293'	CONTRACTOR	REID
HOLE DIAMETER	(0'-300' 5⅞")	LAST A.E.C. PIT RUN	11-1-75
WATER FACTOR		FLUID LEVEL	DRY
RESISTIVITY	— OHMS/INCH	REMARKS	
SELF POTENTIAL	— M.V./IN.		

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

DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
0					
0-35					Sandstone & Siltstn: brown, abnt biotite, f grain, arkosic
35-40					Limestone: off white to light olive green trace blk mngn stain? Probably equivlnt to platy lime unit contng fish fossils (Top of MTml).
40-65					Siltstn/Mudstn: olive green, brown $CaCO_3$ cmtd 50'-55'
65-100					Siltstn/Mudstn/Limstn: off white Lmstn: wh; com mngns? dendrits; mnr clr chert Silts: olive green 70-80 com wh bentonite
100-115					Siltstn: olive green, abnt biotite
115-125					Siltstn: white, same as @ 35-40 in AM 72
125-145					Siltstn: olive green 125-135 INDURATED (SILICA? cmt)
145-150					Limstone: wh w/ blk mngns? & inlets
150-190					Siltstn: olive green wh bentonitic clay 155-160 175-180 INDURATED, com or Fe stn
190-225					Siltstn: ornge brown varicolored: orng, olive green, red
225-230					Siltstn: red, orngе, indurated ALTERED? same as @ 135-140 in AM 72.?
230-235					Siltstn: olive green, indurated, com wh bentonite
235-240					Siltn/Mudstn: olive green
240-260					Siltstn/Mudstn: brown
260-280					Siltstn: red brown
280-285					Sandstn: buff, arkosic, subangl, com Fe stn, sctr pink vole frgts
285-300					Volcnc Frgts: Red brown, oxidized, sctrd calcite

PROJECT *Anderson Mine* HOLE SIZE _____ ☒ AIR ☐ WATER HOLE NO. *AM-74*

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY *TSH* DATE *12-15-75*

SECTION *9* TOWNSHIP *11N* RANGE *10W* T.D. *380'* P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						0-10' mdstn, lt. olive grn, c. wh. silicification
						10'-35 mdstn, lt. olive grn to cream buff, w/c. v. sandy zones
						35'-75' ss & mdstn interbedded, pale grn to cream, med grn, subangular
						(0-75' samples destroyed by weather)
						65-75 mdstn, olive-grn w/c. interbed ss
						75-85 ss, buff, fn-med grn, subangular
						85-95 ss, buff, fn grn, angular,
						95-120 ss, grn buff, v fn-fn grn, angular, qtz, felds, micas, rk frag. Common lm. stn w/interbed. sltstn & mdstn, grn-buff
						120-135 ss, grn-buff, v. fn-fn grn, angular, qtz, felds, micas, rk frag., tr. clay, c. lm stn, altered
						135'-140' ss, gry
						140'-150' ss, grn-gry-buff
						150-155' sltstn, grn-buff
						155-175 ss, buff, fn grn, good sort, angular, qtz, felds, micas, rk frag., c.-abund. lm stn, r. hem stn.
						175-180 mdstn, grn, v. silty
						180-190 mdstn & ls, lt. grn-cream,
						190-195 ss, fn-v. fn grn, grn buff, r. lm stn, c. mdstn, qtz & felds
						195-205 mdstn, grn, slightly calcareous
						205'-220' mdstn & ls, cream & pale grn, w/ tr.-abund. gry-brn chert
						220-235 mdstn, pale grn w/r. calcareous zones & tr lt. grn, cream, & gry-brn chert
						235'-255' mdstn, olive grn, w/ tr.-r. wh ls frag.
						255-275 mdstn, gry-grn, slightly sandy
						275'-285' mdstn, lt. olive grn w/c. brn or chert, & r. ls
						285'-290' mdstn, olive grn
						290-310 mdstn, wh & lt. olive grn, v. calcareous, tr. chert
						310-335 mdstn, olive grn, slightly calcareous
						335-340 mdstn olive grn & sltstn rd-buff
						340-350 ss, rd, v. fn-fn grn, v. silty
						350-370 mdstn & sltstn, yellow-buff & rd-buff, interbed., slightly sandy
						370-380 "paleo soil", vol. frag. in rd-brn sltstn matrix
						380' TD

50' 100' 150' 200' 250' 300' 350' 375' T.D.

500=50 cps/in
λ 4.7
15"/m

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-74

LOCATION	ANDERSEN MINE	GAMMA SCALE	500=50CPS/IN
COUNTY	YAVAPAI	STATE ARIZONA	PROBE TYPE	SCINT
QP.	1-202, 419 N 636,761	ELEV. 1864	K-FACTOR	2.25 X 10⁻⁵
SEC.		TWP. 11N RGE. 10W	DEAD TIME	9.6 μSEC
DATE	12-10-75		TIME CONSTANT	1
DEPTH DRILLED	380'		PROBE DIA.	1 11/16"
DEPTH LOGGED	375'		CALIPER	—
FOOTAGE LOGGED	410'		DIRECTIONAL SURVEY	—
HOLE DIAMETER	5 7/8		TEMPERATURE	—
WATER FACTOR	—		OPERATOR	D. BRADLEY
RESISTIVITY	— OHMS/INCH —		DRILLER	STAN
SELF POTENTIAL	— M.V./IN.		CONTRACTOR	REID
			LAST A.E.C. PIT RUN	11-7-75
			FLUID LEVEL	DRY

RERUNS	1ST RUN	2ND RUN	3RD RUN
BOTTOM	345'	280'	
TOP	330'	260'	
TOTAL FEET	15'	20'	
SCALE RUN	5K	5K	

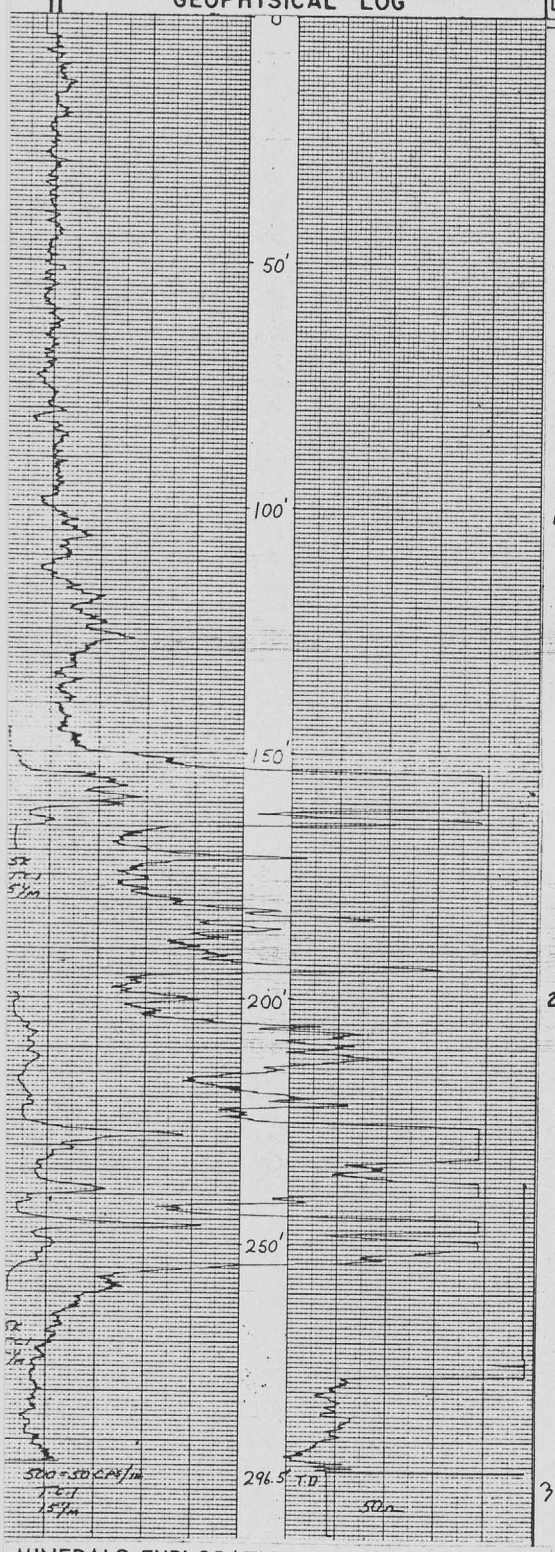
REMARKS:

PROJECT ANDERSON MINE — HOLE SIZE 5 1/4 — ☑ AIR ☐ WATER — HOLE NO. AM-75

ELEVATION — NORTH — EAST — LOGGED BY PBD — DATE 12-15-75

SECTION 9 — TOWNSHIP 11N — RANGE 10W — T.D. 300 — P.D.

* foam



MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-75

LOCATION	ANDERSEN MINE	GAMMA SCALE	500 = 50 CPS/IN
COUNTY	YAVAPAI STATE ARIZONA	PROBE TYPE	SCINT
GP.	1,202,799N 636,804E ELEV. 1750	K-FACTOR	2.25 X 10⁻⁵
SEC.	TWP. 11N RGE. 10W	DEAD TIME	9.6 USEC
DATE	12-10-75	TIME CONSTANT	1
DEPTH DRILLED	300'	PROBE DIA.	1 11/16"
DEPTH LOGGED	296.5'	CALIPER	—
FOOTAGE LOGGED	386.5'	DIRECTIONAL SURVEY	—
HOLE DIAMETER	5 5/8"	TEMPERATURE	—
WATER FACTOR	1.177	OPERATOR	D. BRADLEY
RESISTIVITY	10 OHMS/INCH	DRILLER	SHARPE
SELF POTENTIAL	— M.V./IN.	CONTRACTOR	REID
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	11-1-75
BOTTOM	265' 170'	FLUID LEVEL	202'
TOP	200' 145'	REMARKS:	—
TOTAL FEET	65' 25'		
SCALE RUN	5R 5R		

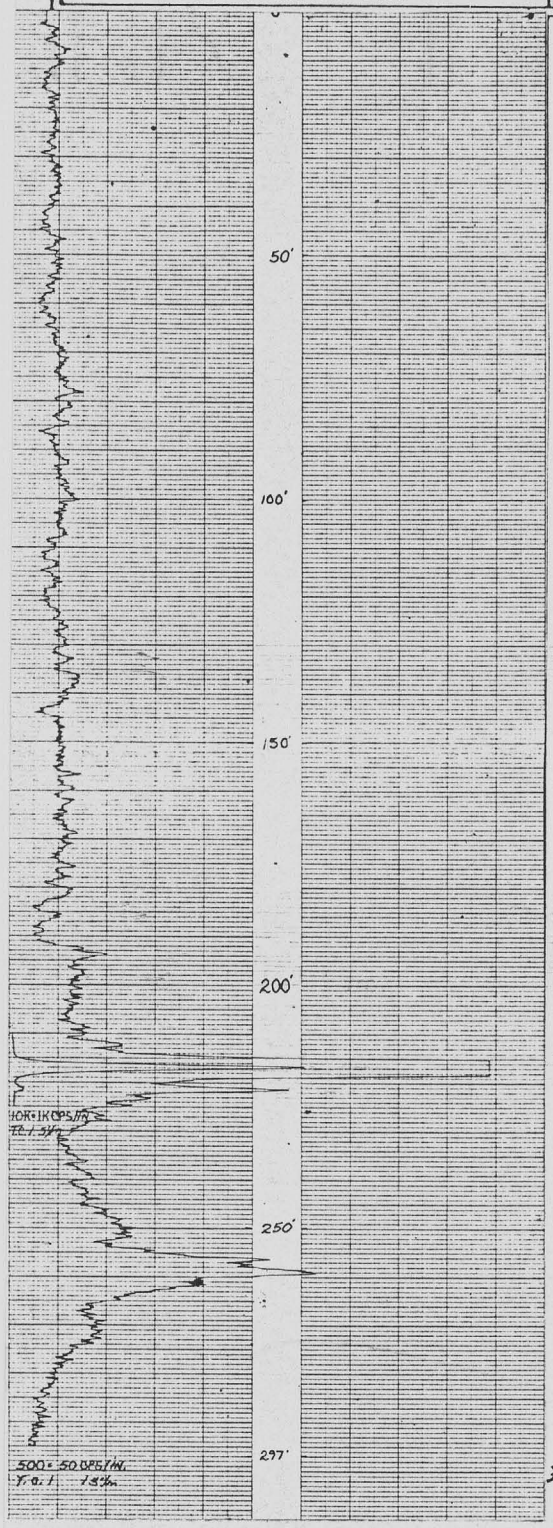
DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
					0-5 olive-grn siltstn w/ med. brn siltstn
					5-15 olive brn siltstn
20					15-40 med. brn. siltstn - seem to be a bentonitic variety
40					40-50 med brn fg-mg ss w/ tr-common brn siltstn
					has common-abundant limonite staining. fragments are angular and feldspars show slight alteration
60					50-60 med. brn "chunky" siltstn (mudstn.?)
					60-70 med. brn sandy siltstn.
80					70-85 med brn sandy siltstn & olive grn shale w/ ls stringers
					85-100 brn grn siltstn
100					100-110 olive grn siltstn
					110-125 olive grn siltstn & white ls w/ bentonite
20					125-135 olive grn siltstn
					135-145 olive grn siltstn interbedded w/ red brn siltstn
40					145-160 olive grn siltstn w/ blebs of bentonite
60					
80					180-200 lt. grn siltstns w/ grn-grn ls and red & white chert.
200					200-205 pale grn siltstn w/ limonite staining
					205-215 red brn siltstn
20					215-220 white ls w/ red-orange chert
					220-225 red-brn mudstn.
40					225-230 white ls w/ red chert
					230-235 blk carbonaceous ~~shale~~ siltstn
60					235-245 red brn siltstn.
					245-275 red shale siltstn
80					275-300 basement.
300					
20					
40					
60					
80					
400					

PROJECT ANDERSON MINE HOLE SIZE 5 1/8 ☒ AIR ☐ WATER HOLE NO. AM-76

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY DBD DATE 12-15-75

SECTION 9 TOWNSHIP 11N RANGE 10W T.D. 300 P.D. _____

* foam



MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-76

LOCATION	ANDERSON MINE
COUNTY	YAVAPAI STATE ARIZONA
GP.	1,203,800N 637,129E ELEV. 1764
SEC.	9 TWP. 11N RGE. 10W
DATE	Dec. 15, 1975
DEPTH DRILLED	300'
DEPTH LOGGED	297'
FOOTAGE LOGGED	B 1/2'
HOLE DIAMETER	5 1/8" to 300'
WATER FACTOR	NC WATER
RESISTIVITY	OHMS/INCH
SELF POTENTIAL	M.V./IN.

RERUNS	1ST. RUN	2ND RUN	3RD. RUN
BOTTOM	225'		
TOP	210'		
TOTAL FEET	15'		
SCALE RUN	10K=1KCPS/in.		

GAMMA SCALE	500=50 CPS/IN.
PROBE TYPE	Scint.
K-FACTOR	2.28 x 10^-5
DEAD TIME	9.6 micro.
TIME CONSTANT	1
PROBE DIA.	1 5/8"
DIRECTIONAL SURVEY	
CALIPER	
TEMPERATURE	
OPERATOR	Hudson
DRILLER	Shaed
CONTRACTOR	REID
LAST A.E.C. PIT RUN	Aug. 2, 1975
FLUID LEVEL	—
REMARKS:	

DEPTH | P | C | A | STRIP LOG

LITHOLOGY LOG

0-5 red brn mudstn.

5-10 med gry mg sand w/tr. of ls w/chert.

10-20 red & gry siltstns

20-40 mg-cg limonite stained ss w/common-abundant limonite staining. frags are angular and show slight alteration

40-60 red brn siltstn at 55, common qtz grains

60-65 g-y-grn siltstn

65-95 med brn siltstn - mudstn.

95-105 . yellow brn mudstn.

105-115 - gry brn siltstn

115-135 - med brn siltstn

135-145 - yellow brn siltstn

145-165 - med tan brn siltstn

165-180 yellow gry siltstn.

180-195 chalk ls w/red chert.

195-220 olive grn siltstn

220-250 olive grn siltstn w/ bentonite

250-255 blk carbonaceous siltstn (mudstn?)

255-285 red brn siltstn w/tr. sand

285 - basement

PROJECT *Anderson Mine* HOLE SIZE _____ ☒ AIR ☒ WATER* HOLE NO. *AM-77*

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY *JSH* DATE *12-15-78*

SECTION *9* TOWNSHIP *11N* RANGE *10W* T.D. *480* P.D. *475*

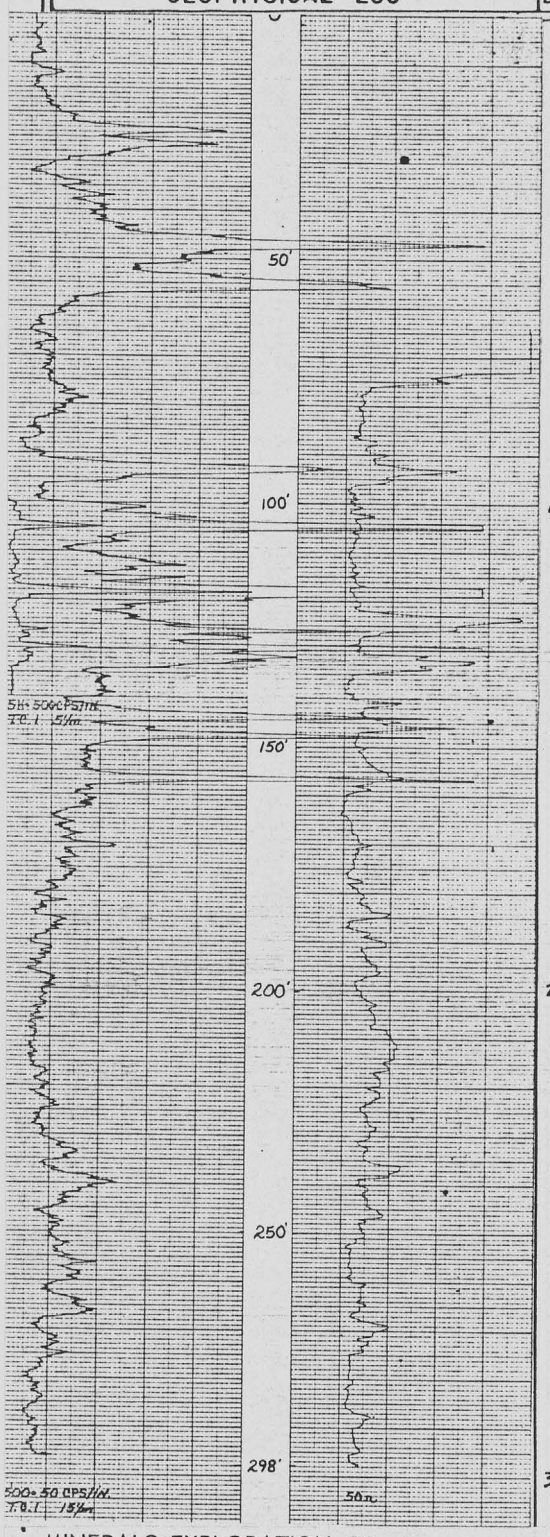
* Water-foam injection

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
	0					0-20' ss, wh, fn-med grn, subangular, w/interbd calcareous mdstn, w/ tr. lm & hem stn
	20					20'-45' ss, wh, fn grn, tuffaceous, tr-r. lm stn, v. calcareous, w/ tr. interbed wh silty ls.
50'	40					45'-55' ss, gry-buff, fn grn, angular, c. lm stn, gt's, feld micas,
	60					55-60' ss, or, fn grn, abund lm & c. hem. stn
	80					60-80 ss, buff, fn grn, c. lm stn., angular,
100'	100					80-90 ss, lt. buff, r-c. lm stn, angular
	20					90-120 sltstn, gry-buff to rd-buff, v. tuffac w/ c. sandy zones
	40					120'-130' ss, or-buff, fn grn, angular, gt's, felds, mica r-c. lm stn
150'	60					130'-150' ss, buff, or buff, v. fn-fn grn, as above w/ c. lm & tr. hem stn
	80					150'-160' ss, lt. buff, fn grn, r-c. lm stn
	200					160-165 sltstn, rd-buff, v. sandy & tuffaceous
200'	20					165-195 sltstn, buff to grn buff, tuffaceous w/ interbed. v. sandy zones
	40					
	60					195'-255' sltstn, buff, sandy, r-c. tuffaceous material, w/ tr-r. interbed. lt. grn. mdstn esp. @ base
	80					
250'	300					255'-275' mdstn, olive grn w/ c-abund. interbd. sltstn as above
	20					275'-290' mdstn & ls, wh to v. pale grn, v. sandy
300'	40					290-300' chert & mdstn, wh to brn, calcareous
	60					300-315 mdstn, olive grn & r. cream w/ r. interbd sltstn
	80					315-360 mdstn-sltstn, grn, tuffaceous & v. silty
350'	400					
	20					360-370 mdstn, gry-grn
	40					370-395 mdstn, grn to grn buff, only v. slightly silty
400'	60					
	80					395-425 mdstn, grnsh-blue w/ r-abund. blk carbonaceous material
450'	500					425-440 mdstn & sltstn, grn & rd-buff, slightly san (ran out of fuel for drill rig-hole set ~45 min
	20					440-480 Paleosoil, red & grn, c. vol. rk frag. & r. grn & wh clay
	40					
475'	60					
	80					480' TD
	500					

PROJECT ANDERSON MINE HOLE SIZE ☑ AIR ☐ WATER HOLE NO. AM-78

ELEVATION NORTH EAST LOGGED BY DBD DATE 12-16-75

SECTION TOWNSHIP RANGE T.D. 300 P.D.



MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-78

LOCATION	ANDERSON MINE	GAMMA SCALE	500=50CPS/IN.
COUNTY	Yavapai STATE ARIZONA	PROBE TYPE	Scint.
GP.	1,201,998 N 695,203 E ELEV. 1944	K-FACTOR	2.25 10^{-3}
SEC	TWP. 11N RGE. 10W	DEAD TIME	9.6 μsec.
DATE	Dec. 15, 1975	TIME CONSTANT	1
DEPTH DRILLED	300'	PROBE DIA.	1⅝"
DEPTH LOGGED	298'	CALIPER	
FOOTAGE LOGGED	340'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5⅞" TO 300'	TEMPERATURE	
WATER FACTOR	1.157	OPERATOR	Hudson
RESISTIVITY	50 OHMS/~~M~~M	DRILLER	Sharp
SELF POTENTIAL	M.V./IN	CONTRACTOR	REID
RERUNS	1ST. RUN 2ND. RUN 3RD. RUN	LAST A.E.C. PIT RUN	Aug. 2., 1975
BOTTOM	140'	FLUID LEVEL	73'
TOP	98'	REMARKS:	
TOTAL FEET	42'		
SCALE RUN	5K= 500CPS/IN.		

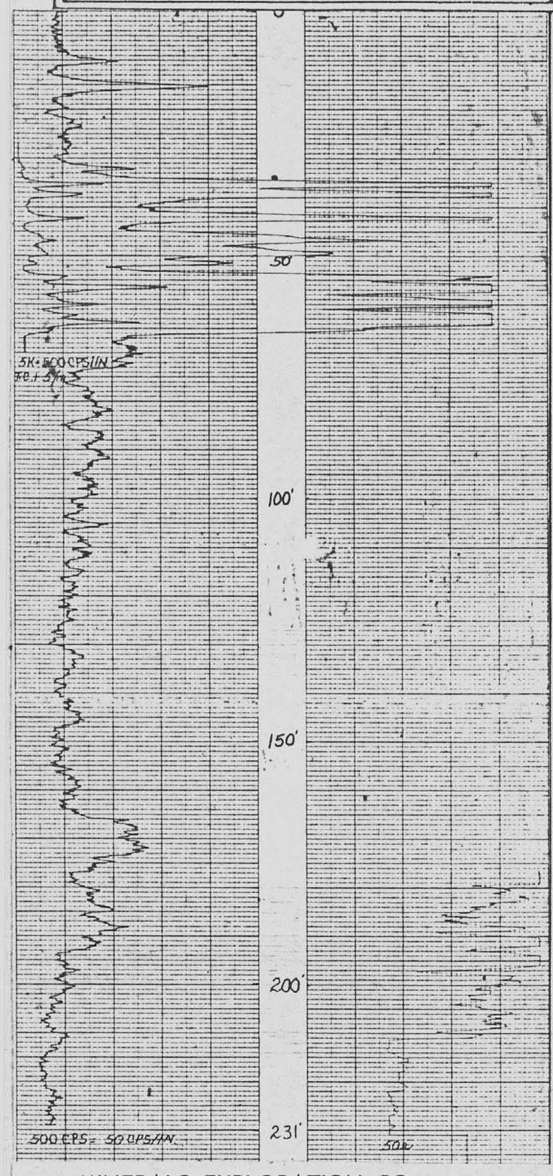
DEPTH	STRIP LOG	LITHOLOGY LOG
0		
		0-25 white ls w/ brn chert and gry-grn mudstns. tr chips of grn sandy ls. tr. bentonite
20		
		25-35 bentonite w/ tr.-common olive grn siltstn
40		35-50 olive grn siltstn w/ mod bentonite and tr ls & orange chert.
		50-60 white ls w/ rose chert; tr-mod sandy olive grn siltstn.
60		60-70 white ls w/ abn bentonite (white)
		70-75 white ls w/ brn chert & white bentonite
80		75-85 olive grn mudstn w/ tr. bentonite
		85-100 bentonite & brn chert; mod rose mudstn.
100		100-120 white bentonite; two olive grn mudstns at 115
20		120-130 white ls w/ white bentonite & red brn chert.
		130-135 rose colored mudstn.
		135-140 red brn mudstn.
40		140-150 red brn mudstn & mg sand - p common limonite
		150-155 interbedded red brn mudstns and orange mudstones
60		155-180 - olive grn mudstns.
80		180-205 - med grn. brn siltstns
200		205-225 red brn mudstone & interbedded w/ f.g. angular sand - common limonite staining.
20		
		225-240 red-brn interbedded mudstn & sands. most of the red color due to red mudstn. Sand is like above material
40		240-250 - med brn f.g. sand.
		250-260 - med brn mudstn.
60		260-285 - red brn silty sandstn. Very little change is seen in the sand from 205-285.
80		
		285 - T.D. basement composed of mg-cg sands, weathered volcanics and pieces of decomposed granite
300		
20		
40		
60		
80		
400		

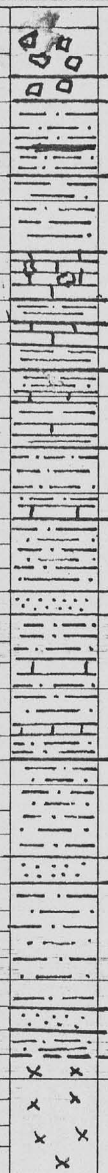
PROJECT ANDERSON MINE HOLE SIZE 5 5/8" ☒ AIR ☐ WATER HOLE NO. AM 79

ELEVATION ______ NORTH ______ EAST ______ LOGGED BY S. PAVLAK DATE 12/16/75

SECTION 11 TOWNSHIP 11 N RANGE 10 W T.D. 240' P.D. 231'

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG





0-5' FLOAT: SURFICIAL SLOPE WASH
RESIDUUM OF WH, BLK, RED CHERT, VOLCANIC FRAGS; WH. LIMESTN

5-15' CHERT: RED, BLK, WHITE, CLEAR.

15-20' CHERT: WHITE

20-35' MUDSTN: WHITE-LT GY; SILTY; MINOR BLK CARBON. MATTER; $CaCO_3$ CEMENT

35-50' MUDSTN: LT GY GRN; $CaCO_3$ CEMENT; VERY SLIGHTLY SILTY.

50-60' LIMESTN: WHITE; COMMON OR, WH. CHERT

60-65' MUDSTN: OLIVE GRN

65-70' LIMESTN: WHITE, SALMON PINK; COM. OR. CHE[RT]

70-75' MUDSTN: OLIVE GRN, DEEP RED.

75-90' MUDSTN & LIMESTN: INTBD OLIVE GRN, RED MUDSTN W/ PINK & WHITE LIMESTN

90-105' SLTSTN: LT OLIVE GRN, MINOR RED SLTSTN; MINOR WH. LIMESTN.

105-120' SLTSTN: BRN, MUDDY.

120-125' S.S.: MED-CRSE; BRN; ABNT QTZ WITH YEL. STAINS.

125-155' SLTSTN & LIMESTN: LT BRN & LT GRN SLTSTN; INTBD PINK & BLK LIMESTN. WH. CHERT.

155-175' SLTSTN: RED, RED BRN, LT OLIVE GRN

175-180' S.S. RED BRN; M-C; SUB ANG; ABNT QTZ; MINOR BLK VOLC. FRAGS

180-205' SLTSTN: RED, RED BRN, GRN.

205-210' S.S.: RED BRN W/ MINOR GRN SLTSTN.

210-215' SLTSTN: LT. OLIVE GRN.

215-240' BASEMENT - ABNT RED VOLCANIC FRAGS. SOME BLACK FRAGS OF VOLCANICS. DIFF. TO PICK BASEMENT.

MINERALS EXPLORATION CO.

CASPER, WYOMING HOLE NO. AM-79

LOCATION	ANDERSON MINE	GAMMA SCALE	500 = 50 CPS/IN
COUNTY	Yavapai · STATE ARIZONA	PROBE TYPE	SCINT.
GP.	1,202,397 N 695,201 E · ELEV. 1904'	K-FACTOR	2.25 $^{10^{-5}}$
SEC.	TWP. 11N · RGE. 10W	DEAD TIME	9.6 μsec.
DATE	Dec. 15, 1975	TIME CONSTANT	1
DEPTH DRILLED	240'	PROBE DIA.	1 11/16"
DEPTH LOGGED	231'	CALIPER	
FOOTAGE LOGGED	271'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5 5/8" To 240'	TEMPERATURE	
WATER FACTOR	1.77	OPERATOR	Hudson
RESISTIVITY	10 OHMS/INCH	DRILLER	STarner
SELF POTENTIAL	M.V./IN	CONTRACTOR	REID
		LAST A.E.C. PIT RUN	Aug. 15, 1975
		FLUID LEVEL	180'

RERUNS	1ST. RUN	2ND. RUN	3RD. RUN
BOTTOM	70'		
TOP	30'		
TOTAL FEET	40'		
SCALE RUN	5K=500 CPS/IN		

REMARKS:

S. PAVLAK
12/21/95

AM 79C 25'-10' = Logged interval

FT.	LITH	DESCRIPTION
25		25'-27'8" MUDSTN: Gy GRN; slightly silty; minor blk stns (Mn?); rare hem. stn.
26		
27		
		27'8"-33'10" MUDSTN: Bentonitic (?); silty; Gy olive grn mudstn zones; calcareous; minor Mn stn.
28		
29		
30		
31		
32		32'8"-32'9" CHERT: red brn, Gy.
33		

S. HAVLAK
12/21/75

AM 79C

FT.	LITH	DESCRIPTION
33		
		33'10" – 34' LIMESTN: WHITE
34		
		34' – 35'6" MUDSTN: WHITE – LT GY; CALCAREOUS. NOTE: MUCH OF THIS INTERVAL SAMPLES ARE CRUSHED & NON-COHESIVE.
35		
		35'6" – 45'6" MUDSTN: LT GY – LT GY GRN; CALCAREOUS; TR. HEM STN; CALCITE-FILLED FRACTURES; R-C MN STN.
36		
37		
38		
39		
40		40' YELLOW URANIUM MINERAL; MN.
41		

S. PAULAK
12/21/75

AM 79C

FT.	LITH.	DESCRIPTION
41		
42		
43		~43' YELLOW URANIUM MINERAL
44		~44' 7" OR LIM. STNS.
45		
46		45'6" - 49'5" MUDSTN: WH-GY BRN; LOCALLY CALCAREOUS; LOCALLY SILICIFIED; STRINGERS GY GRN MUDSTN.
47		~47' YELLOW-OR MINERAL
48		
49		

S. PAVLAK
12/21/75

(4)

AM- 79 C

FT.	LITH.	DESCRIPTION
49		
		49' 5" – 50' 3" LIMESTN; WHITE; SILTY; SiO_2 FILLED FRACTURES.
50		
		50'3" – 52'6" MUDSTN: LT GY - WHITE; SILTY; CALCAREOUS;
51		
52		
		52'6" – 53'3" LIMESTN: WHITE; SILTY; FEW LT GY MUDSTN INTERVALS.
53		
		53'3" – 55'7" MUDSTN: LT GY, WHITE; SILTY; CALCAREOUS FINELY DISSEMINATED MN DENDRITES
53		
54		
55		
		55'7" – 56' 5" LIMESTONE: WHITE, MOTTLED; MOSTLY SILICIFIED WITH RED - RED BRN CHERT.
56		

(5)

S. PAVLAK
12/21/75

AM 79C

FT.	LITH.	DESCRIPTION
56		
		56' 5" – 62' SLTSTN: LT GY – WHITE; FEW OLIVE GRN MUDSTN INTBDS; CALCAREOUS; MINOR HEM. STN; MINOR RED CHERT; RARE BLK ORGANIC TRASH.
57		
58		
59		
60		
61		
62		
		62' – 63' 8" SLTSTN: GY LOCALLY COM. HEM STN, ESPEC AT TOP & BOT; PALE YELLOW GRN MINERAL DISPERSED THROUGHOUT BUT RARE; POSSIBLE FINELY DISSEMINATED CARBONACEOUS TRASH.
63		
		63' 8" – 64' 2" SLTSTN: LT GY – OFF WHITE; CALCAREOUS; HEM STN; YELLOW URANIUM MIN; DISSEMINATED CARBON. TRASH.
64		

S. PAVLAK
12/21/95

AM 79C

FT.	LITH.	DESCRIPTION
64		
		64' 2" - 65' 4½" LIMESTN: LT GY, WHITE, PINK (PALE); HEM. STN; RED CHERT COMMON; YELLOW URANIUM MIN RARE.
65		
		65' 4½" - 67' 3" SLTSTN: WHITE - LT GY; CALCAREOUS; LOCALLY VERY MICACEOUS; HEM STND; ABNT INVERTEBRATE FOSSIL (GASTROPODS) SHELLS 66' 7" - 66' 8"?
66		
67		
		67' 3" - 70' MUDSTN: OLIVE GRN; HEM STN; CALCAREOUS; RARE CARBON. TRASH (?)
68		
69		
70		END OF CORE.

PROJECT ANDERSON MINE HOLE SIZE 5 5/8 ☒ AIR ☐ WATER HOLE NO. AM-80

ELEVATION _____ NORTH _____ EAST _____ LOGGED BY DBP DATE 12-16-75

SECTION _____ TOWNSHIP 11N RANGE 10W T.D. 320 P.D. _____

GEOPHYSICAL LOG	DEPTH	P	C	A	STRIP LOG	LITHOLOGY LOG
						0-10 med brn mudstn w/ yellow grn mudstn.
						10-25 med. brn mudstn.
						25-30 med. brn mudstn w/ white bentonite
						30-45 red-brn mudstn
						45-50 yellow grn siltstn - mudstn. w/ white bentonite
						50-70 white ls w/ white bentonite & rose chert.
						70-80 lt. yellow grn mudstn w/ tr. bentonite
						80-95 white ls and white bentonite
						95-110 olive grn mudstn w/ tr. of red siltstn & bentonite
						110-120 olive grn mudstn interbedded with white ls w/ red brn
						120-135 white ls w/ white bentonite & white & olive grn chert
						135-140 olive grn mudstn.
						140-165 white ls w/ white chert.
						165-180 pale grn ls & white ls w/ pink & white chert. tr. of grn mudstn
						180-190 white ls w/ pink chert & white bentonite
						190-195 white ls w/ white chert w/ pink & lt. grn. mudstn.
						195-200 red-brn & grn mudstn.
						200-215 pink mudstn.
						215-230 pink-brn mudstn.
						230-245 lt tan mudstn
						245-250 lt. yellow tan mudstn.
						250-255 yellow brn. siltstn
						255-285 lt tan silty sand. tr-mod limonite staining
						285-290 red brn siltstn
						290-295 olive grn mudstn & orange mudstn
						295-310 med brn silty sand w/ mod limonite staining. qtz is generally angular.
						310 - T.D. basement - red siltstn. vg sand, weathered granitic fragments.

MINERALS EXPLORATION CO.

CASPER, WYOMING

HOLE NO. AM-80

LOCATION	ANDERSON MINE	GAMMA SCALE	500 = 50 CPS/IN
COUNTY	Yavapai STATE ARIZONA	PROBE TYPE	SCINT
GP.	1,201,966 N 649,797 E ELEV. 1964	K FACTOR	2.25 10^{-6}
SEC	TWP 11N RGE 10E	DEAD TIME	9.6 m SEC.
DATE	DEC. 16, 1975	TIME CONSTANT	1
DEPTH DRILLED	320'	PROBE DIA.	1⅝"
DEPTH LOGGED	317'	CALIPER	
FOOTAGE LOGGED	360'	DIRECTIONAL SURVEY	
HOLE DIAMETER	5⅝" To 320'	TEMPERATURE	
WATER FACTOR	1.177	OPERATOR	Hudson
RESISTIVITY	10 OHMS/INCH	DRILLER	Sharp
SELF POTENTIAL	MV/IN	CONTRACTOR	REID
		LAST A.E.C. PIT RUN	Aug. 2, 1975
		FLUID LEVEL	135'
		REMARKS	

RERUNS	1ST RUN	2ND RUN	3RD RUN
BOTTOM	210'	170'	118'
TOP	195'	155'	105'
TOTAL FEET	15'	15'	13'
SCALE RUN	5A: 500 CPS/IN. 5X: 500 CPS/IN 1A: 100 CPS/IN.		