riot____ Log__ Card_ CSDW Mflm___ LATITUDE 39 (15') Muskingham Island OHIO RIVER -3 eugene **MAY0** TRACT "T" BALTIMORE & OHIO RAILROAD To wheeling Minimum Error of Closure / in 200 Source of Elevation U.S.G.S.B.M on R.R. Bridge 1000' SW : 603 I, the undersigned, hereby certify that this map is correct to the best of my know-ledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. Fracture..... New Location..... Drill Deeper..... Signed: Map No. Squares: Abandonment... STATE OF WEST VIRGINIA Company Sundonce Enterprises DEPARTMENT OF MINES OIL AND GAS DIVISION Address 225 4th St. Suite 4 East, Parkersburg CHARLESTON Eugene Mayo _Acres 10 Lease No. WELL LOCATION MAP Well (Farm) No. _One_ _ Serial No. FILE NO. WOO - 747 Elevation (Spirit Level) _587 Quadrangle. Parkersburg 7/2 + Denotes location of well on United States County Wood District Williams Topographic Maps, scale 1 to 24,000 latitude Surveyor Engineer MSHOUS and longitude lines being represented by border lines as shown. Surveyor's Registration No. 1227 - Denotes one inch spaces on border line of _Drawing No. File No. original tracing. 47-107 Scale 1" : 500' Ate April 22.1976 PARKERS BURG

(RASCO 500 10-74 MC3081-

30 % MAY 6 1076

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date	Jan	12.	1981	1
Openatoria				

FORM IV-35 (Obverse)

METT	NO.	
		• •

[08-78	5 .				WEL!	L OPERATOR'S	REPORT31	API Wel	No. 47 - 107 - 074 State County Per
		DRIL	LING, FA	<u>ACTUR</u>	ING A	ND/OR STIMUL	ATING, OR PHY	SIJAL CHANGE	State County Per
WELL TYPE:	011 X	/ (Gas X	/ Li	lauid	Injection	/ Waste	Disposal/	
									Shallow X /)
LOCATION:	CATION: Elevation: 708'								
								Quadrangle: Val	
WELL OPERAT	OR ATT	EC MIN	EDATE	TNC			DESIGNATED A	TRUT U U AT	I PN "
Addres	(Su	ccesso	r to Su	ndano	e En	terprises,I	inc.)	P. O. Box 1	LEN 365
•			RG, WV						, WV 26101
			18.4						
PERMITTED WO									acture or stimulate
							ate new forma	•	
	•0	tner pr	ysical (nange	e in v	well (specin	у)		
						7.			
PERMIT ISCU						76		SPECTOR FOR THI	
	WOUS PR	OGRESS	ION FROM	DRIL	LING			nald Conner	
			PERMISSI _, 19		I AINE.	D	Address	Mineral We	lls, WV
								Depth	1864 feet
								Cable Tools	
							1442 feet.		
								the area? N	0_
									24 , 19 80
			-			·	•		
CASING AND									_
CASING OR TUBING TYPE	: 11	1	Weight per ft	1	Usedi		INTERVALS Left in wel	CEMENT FILL-U OR SACKS L (Cubic feet)	l l
Canductor	8 5/	<u> </u>		х		150'	150'	cement to	Kinds
Fresh water									
Coal	#								Sizes
Intermediat									
Production	43	<u> </u>		Х		2097'	2097'	100 sks	Depths set
Tubing	-	 				<u> </u>	ARCEE TO	VFM-	
Liners	+	<u> </u>			1		W OGG		Ferforations:
	\blacksquare	 					JAN 1 4 1	QR1	1864 Top1869 Bottom
		 					JAN 14 1	301	
		<u> </u>	L				OIL & GAS D	IVISION	
OPEN FLOW D	ATA					D	EPT. of	MINES	
Produc	ing for	mation	BEre	a				Pay zone dept	h 1864-1869 fee:
G	as: In	itial o	pen flo	·,(600	Mcf/d	Oil: Initia	l open flow,	25 Pt1/d
	Fi	nal ope	en flow,			Mcf/d	Final	open flow,	10 Bb1/d
		Time	of ope	ı (Lov	w betw	ween initial	and final te	sts, <u>6</u> hour	s
s	taste r	ock pre	essure,	600	0 ps	sig (surface	measurement)	after 6 ho	urs shut in
[If ar	plicabl	e due s	o multi	ole co	omple:	tion]			
Second	produc	ing for	rmation .					Pay zone dept	hfee:
								l open flow,	
•	Fi	nal ope	en flow,			Mcf/d	Final	open flow,	
		Time	of ope	n flov	w betw	ween initial	and final te	sts, hour	S
3	tatic r	ock pr	essure,		p:	sig (surface	measurement)	after ho	urs shut in

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated 1864' to 1869' with shots.
Fractured with 20,000 # sand and 550 barrels of water.

WELL LOG

FORMATION	Color	llard or Soft	34 Top Feet	Bottom Feet	Remarks Including indication of all fres and salt water, coal, oil and ga
Soil	Red	Soft	. 0		
Shale	Brown	Soft	55	55	
Sand	Brown	Soft		133	
Shale	Dk.GBy	Soft	133 200	200	
Sand	1	Med.		241	
Shale	Brown Gry. Br.		241 360	360	
Sand	1 -	Med.		380	
Shale	Gry.	Med. Soft	380	400	
Sand	Gry.	1	400	446	
Shale	Lt. Gry.	Med.	446	480	
Sandy Shale	Gry.	Soft	480	556	
Sandy Share	Gray	Med.	556	610	14
Shale	Brown	Med.	610	616	
Sand	Gry.Red	Soft	616	688	
-	lt. Gry	Med.	688	696	•
Shale	Dk. Gry	Soft	696	737	
Sand	Lt. Gry	Med.	737	829	<i>,</i> '
Shale	Red-Gry	med.	829	846	
Sand	Lt.Gry	MedHd	846	932	1.1
Sandy Shale	Gray	Med.	932	1022	·
Sand	Lt. Gry	MedHd		1043	
Shale	RdGry	Soft	1043	1062	
Sand	Lt. Gry	Med.	1062	1096	•
Sandy Shale	Gray	Soft	1096	1186	
Shaley Sand	Gray	MedHd		1273	
Sand	Lt. Gry	Hard	1273	1304	
Shale	Dk.Gry	Med.	1304	1324	
Sand	lt.Gry	Med.	1324	1332	•
Shale	Dk. Gry	med.	1332	1372	
Lime	White	Hard	1372	1478	Salt Water 1442-1474
Shale	Dk. Gry	Soft	1478	1832	
Coffee Shale	Dk. Brn	Soft	1832	1864	
Berea Sand	White	Hard	1864	1869	Show of Oil and Gas
Shale	Dk. Gry	Med.	1869	2189	
Gordon Sand	Gray	Med.Hd	2189	2207	Show of Gas
Shale	Gray	Med.Hd.	2207	2247	•

(Attach separate sheets to complete as necessary)

AZTEC MINERALS, INC.

Well Operator

•.

General Manager

NCTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

April 21, 1976 Sundance Enterprises, Inc. 225 4th St., Parkersburg, W.V
OOF 144 Ct Dowlsonshing W V
CC) HULL DU. ICINCIDUULE, W.V
yo Acres 10
waters) Ohio River 587'
Elevation 587
illiams County Wood
, Valley Mills
TIED <u>Donald Corner</u> Vineral Wells, Wo.
28-8172
1976 by Eugene C. and as yet unrecorded ecorded on the day of
RILLFRACTURE OR STIMULATE UNE 5, 1969. nd surveyor and all coal owners and/or operators
any objection they wish to make, or are required Department of Mines within ten (10) days. * ail, or delivered to the above named coal operators day
Mines at Charleston, West Virginia. Ours, SUNDANCE ENTERPRISES, INC. Well Operator

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

<u>Wao - 747</u> PERMIT NUMBER 47-107

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	XX DRILL	DEEPEN	FRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If I		RESPONSIBLE AGENT:					
			1107 t - m 11				
ADDRESS Weston, West		1 00- 11-	n St., Parkersburg, W.Va				
TELEPHONE		1,00	5418				
ESTIMATED DEPTH OF COMPLI	TED WELL 2.200	ROTARY XX	CABLE TOOLS				
PROPOSED GEOLOGICAL FORM	ATION, Gordon						
PROPOSED GEOLOGICAL FORM	ATION: GOLGOIZ	 COMB VV STORA	GE DISPOSAL				
TYPE OF WELL: OIL	GAS	COIVID. AA STORA	U COD OTHER				
	RECYC	CLING WATER F	CLOODOTHER				
TENTATIVE CASING PROGRAM	:						
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP				
SIZE	DRILLING	WELL.	OR SACKS - CUBIC FT.				
20 - 16							
9 - 5/8							
8 - 5/8	150 '	150!	Circulate to surface				
7							
5 ½		es et :					
4 1/2		2,200	75 sks				
			Perf. Top				
2			Perf. Bottoin				
Liners			Perf. Top				
			Perf. Bottom				
OF PLAT. TO DRILL DEEPER OR REDRII	LL:		E BOND AND PERMANENT COPY				
SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR ' MUST ALSO BE SUBMITT	TO 1929, A PERMANEN	RIGINAL PERMIT NUMBER T COPY OF THE PLAT A	AND PERFORMANCE BOND. ON NO THE ORIGINAL WELL RECORD				
TO FRACTURE - STIMULATE:							
	RIGINALLY DRILLED B AND ORIGINAL WELL	EFORE JUNE 5, 1929, FIVE RECORD.	(5) COPIES OG - 1, PERFORMANCE				
OIL AND/OR GAS WELL C ING ORIGINAL PERMIT N	RIGINALLY DRILLED O JMBER, AND PERFORMA	N AND/OR AFTER JUNE 5. NCE BOND.	, 1929, FIVE COPIES OG - 1, SHOW-				
Required forms must be file four (24) hours in advance.	,	s of completion for bond rele	ease. Inspector to be notified twenty-				
	* · · · · · · · · · · · · · · · · · · ·						
			4				
The following waiver must thereof.	be completed by the coa	al operator if the permit is to	o be issued within ten days of receipt				
	rent for	Coal Company, C	Owner or Operator of the coal under				
WAIVER: I the undersigned, Ag	ned and place on our mi	ne maps this proposed well	location.				
We the	Coal Com	pany have no objections to s	aid well being drilled at this location,				
providing operator has	s complied with all rules an	nd regulations in Articles 4, 5,	and 7, Chapter 22 of the West Virginia				
Code.	•						
			For Coal Company				
		designation of the state of the	Official Title				