Plot_Log_Card_ 12/20/77 LATITUDE mar 🎉 ch.Oak and Alle 30 39 12 50 80 49 25 n 88°50 L \$ 527 M. 285 (E) Z G Z E.M. Nutter Maxwell 2400 ac tract. Surface : -M. S. ELS H. Spurlock & C. Michaels est gos Wast Union, N. Ya. Minimum Error of Closure_ Source of Rievation <u>USGS elev on Sheep Run Road</u> 0f lacation <u>= 858</u> 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..... Dill Department Map No. Squares: Abadoanen STATE OF WEST VIRGINIA Company United Operating Co DEPARTMENT OF MINES Address <u>600 Commerce Sq. Charleston W. Vo</u> OIL AND GAS DIVISION CHARLESTON Farm Joba Birch H. Spurkek & G. Michaels Acres 4489. Lease No. WELL LOCATION MAP D0D-1884 FILE NO. Quadrangle <u>Sullman 1/2 Helbran</u> County Ladderdage District Lauthweest - Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude <u>Hudb</u> Engineer_ and longitude lines being represented by border lines as shown. Engineer's Registration No. 1222 DEC & 0 1977 _Drawing No.. - Denotes one inch spaces on border line of Date Dac. 5.1977 original tracing. 47=017

TRASCO 500 5-77 MC8333. 2400 Weis 66 Streight Fork- Blaestone Creek (133)



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

DECEMBER 1)

OR GOASSEVISION

Oil and Gas Division

WELL RECORD

Quadra	ngle_	Pullman	7½
Permit	No.	DDDD_188	4

Rotary_X_	Oil
Cable	Gas_
Recycling	Comb
Water Flood	Storage
Disposal	(Kind)

Permit No. <u>DDD</u>	<u>D-1</u> 884					water 1100 Disposal	(Kind)
Address 600	Commer	rating Com	<u>arleston,</u> W	Casing and V Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Well No. 1	Shee	p Run Ele	ev 1071	Size 20-16			
District South	west_	County_ <u>Dod</u>	<u>dridge</u>	Cond.	 	<u> </u>	4
		ed in fee byH		13-10"	-		
Contractive Contra		<u>chaels</u>		9 5/8			
0 0 00 000 1 1 000000000000000000000000		. W. Va.		8 5/8	243	243	Circulated
Mineral rights are	owned by	<u> John Birc</u>	<u>h et al</u>	7	<u> </u>		<u> </u>
		st Union		5 1/2		ļ	•
Drilling Commend	ced Jal	nuary 30, J	978	4 1/2		2140	700' Fillup
Drilling Complete	ed Fel	oruary 3, 3	1978	3			
Initial onen flow	Sho	cu. ft	Obbls.	2			
		Me ft. per day_		Liners Used			
		_hrs. before test					
Well treatment de		LINS. DEIDIE LESCE	and the second	Attach copy of	aamaantina raaa	d	
		وسريسا يسي	and how and with spil	• •	_		Wain and
Fraced	3 zon	es with 16	<u>/5 bbls. Wa</u>	ater - uppo	er weir -	· rower	METT GIIG
Injun.	TOP	Juu pounas	sano - (20,	,000# 00/10	00, 00,00	Um 20/	40) Average
treati	ng pre	<u>ssure in We</u>	<u> </u>	in Big In	<u>jun 2,700</u>	0	
valuati (prov. dhi o est hini dala shirito (ptenyo ye totikan kina beke data kina bata ka	ina kantajana na ya Krista kanta na kata na ka	encono con contrate en actual de la contrate de la					
	STATISTICAL PROPERTY CONTRACTOR STATISTICS C	and a second contractive and the second contract	ngilagbougsprowieris, voljointertaussis in Polity Villointii (1906 intellika hetekonomien Hillionnika kollikali	nte de catalon de montre de cale en grenon montre acuser « de la contre de contre de contre de catalon de contre			
Coal was encoun	tered at	No Coal	Feet.	www.time.co.uto.	Inche	S	
Frach water	60 ^s	E	g 1 g 1 g	Salt	Water		Feet
Producing Sand	Weir	and Big I	njun	Dent	h 1,796-	-1,820-	1,982,2,094
a a controlling controlling			andras ggille zis sandras fra sindra vendritar et vitili et interes et di 1 et manuer et en			6 10 25m	Wein
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water	* Remarks
and-Shale	Grey	Hard		292			
hale	Grey	Soft	292	308	en alemany a		
and-Streaks	E130						
of Shale		Hard	308	608		•	
hale	Grey	Soft	608	614			
and	Grey	Hard	614	920	-		
hale	Grey	Soft	920	1014	the state of the s		
and	Grey	Hard	1014	1045	Mary 10-707		
hale	Grev	Soft	1045	1080			
and	Grev	Hard	1080	1142			
hale	Grey	Soft	1142	1170	-min-s-curio		
and	Greÿ	Hard	1170	1220			
and-Shale	Grey	Soft	1220	1680			
ime	Grey	Hard	-1680	1786			
Sand(Big Inj	jun) Gr.	Soft	1786	1820	Sho Gas		
Shale	Grey		1820	1982			
7eir							
	Grey	Soft	1982	2094	\$ho Gas		
Shale	Grey Grey	Soft Soft	1982 2094	2094 2160	Sho Gas		

(over)

^{*} Indicates Electric Log tops in the remarks section.

Signed by



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

DEC 2 0 1977

OIL & GAS DIVISION DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,		
Charleston, W. Va.	DATE December 19, 1977	
Surface Owner H. Spurlock & C. Michaels	Company United Operating	ng Company
Address West Union, WVA	Address 600 Commerce Sq.,	
Mineral Owner John Birch et al	W 1 7	
Wast Inion W Va	03 D	
6 A CA CA C C C C C C C C C C C C C C C	7	
Offit Owner		
Address	Deallean 71.	
Coal Operator	. Quadrangie	
Address		
THIS PERMIT MUST BE POSTED AT THE WELL SITE	•	
All provisions being in accordance with Chapter 22,		
	NSPECTOR	
for <u>drilling</u> . This permit shall expire if To	O BE NOTIFIED Paul Gari	rett
operation have sol commenced by 4-23-78 A	oppres Clarksburg, W. '	Va.
Series of 423.18 A	DURESS CICIED COLOR	
	HONE 622-3871	
Deputy Director - Oil & Gas Division		
GENTLEMEN:		
The undersigned well operator is entitled to drill upon the		
title thereto, (or as the case may be) under grant or lease of	lated Junited Operating Com	by <u>John</u> pany
Birch made to Consolidated then	ICE and recorded on the	day of
19, in <u>Doddridge</u> County, Book <u>97</u>	Page <u>115</u>	
X NEW WELL DRILL DEEPER	REDRILLFRACTU	JRE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLER		
		•
The enclosed plat was prepared by a registered engineer chave been notified as of the above date.	or licensed land surveyor and all coal o	wners and/or operators
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or f	notified that any objection they wish to filed with the Department of Mines with	o make, or are required in ten (10) days. *
Copies of this notice and the enclosed plat were mailed by	registered mail, or delivered to the above	ve named coal operators
or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the De	day	before, or on the
same day with the maining of delivery of this copy to the Be	Λ Λ	- m 8-11-11
TYPIAN CYPNITE CODITE OF ALL	Very truly yours	
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name)	
	Well Operator UNITED OPERATIN	G COMPANY
WEST VIRGINIA GEOLOGICAL AND	_ 600 Commerce So	<u>uare</u>
ECONOMIC DUNVEI		
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 Well Ope		
AC-304 - 292-6331	City or Town	
	<u>West Virginia</u>	2530L
	State	
*SECTION 3 If no objections are filed or found by the	Department of mines, within said period of to	en days from the receipt
notice and plat by the department of mines, to said proposed location the filing of such plat, that no objections have been made by the coal of	, the department shall forthwith issue to the wooderators or found thereto by the department?	en operator a permit rectuind that the same is approve
and the well operator authorized to proceed.		Marie Company
The state of the s	nonn 100!	
too Low Andrew B	<u>DODD-1884</u>	PERMIT NUMBER
have read and funderstand the reclamation requirements as set Chapter 22, parcial of Seption 12-h and will carry out the specified requi	forth in 47-017 irements."	

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

PROPOSED WORK ORDER	TO X DRILL	DEEPENFRACTURE-STIMULATE			
DRILLING CONTRACTOR:	•	RESPONSIBLE AGENT:			
	int		nan & J. L. Trittipo		
ADDRESS SMETHVIL	<u>le, WV 26178</u> 2222		יים ניים ניים ניים אין		
ESTIMATED DEPTH OF COM	MPLETED WELL: 2400	ROTARY_X	CABLE TOOLS		
PROPOSED GEOLOGICAL FO					
		COMB. X STORAGE	DISPOSAL		
			OODOTHER		
		Annual Conference of the Annual Security Conference			
TENTATIVE CASING PROGR	AM:	and the second of the second o			
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN A SECOND WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10					
9 - 5/8					
8 - 5/8	300	300 1	Circ.		
5 1/2			ATM TO SAME TO SAME TO SAME		
4 1/2	0	2400	700' fillup		
3			Perf. Top		
Liners			Perf. Bottom Perf. Top		
244.55.5			Perf Bottom		
APPROXIMATE COAL DEPTH	ER DEPTHS 140' FEET	gar until 1970 	Control of the Contro		
IS COAL BEING MINED IN	THE AREA? <u>no</u>	BY WHOM?	Miles System Chain		
TO DRILL:					
SUBMIT FIVE (5) COPI OF PLAT.	ES OF OG - 1, \$100.00 PERM	MIT FEE, PERFORMANCE B	OND AND PERMANENT COPY		
TO DRILL DEEPER OR RED.	RTI I.				
SUBMIT FIVE (5) COPIL	ES OF OG - 1, SHOWING ORIG R TO 1929, A PERMANENT	GINAL PERMIT NUMBER AND COPY OF THE PLAT AND	ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD		
TO FRACTURE - STIMULATI					
OIL AND/OR GAS WELI	L ORIGINALLY DRILLED BEF	ORE JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE		
	AT AND ORIGINAL WELL RI LORIGINALLY DRILLED ON .		29, FIVE COPIES OG - 1, SHOW-		
ING ORIGINAL PERMIT	NUMBER, AND PERFORMANC	E BOND.	1, 11, 11, 11, 11, 11, 11, 11, 11, 11,		
Required forms must be four (24) hours in advance		completion for bond release.	Inspector to be notified twenty-		
The following waiver mu	ast be completed by the coal o	perator if the permit is to be	issued within ten days of receipt		
thereof.					
	Agent for		r or Operator of the coal under tion.		
			vell being drilled at this location, 7, Chapter 22 of the West Virginia		
Code.		of and an area of an area	., samples and of the west virginia		
	7 .				
		· · · · · · · · · · · · · · · · · · ·	For Coal Company		

Official Title