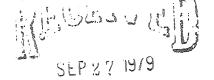


Form OG-10





STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

OIL & GRYDWISION E DEPT. BPHMINES Cable Tools .

Quadrangle Web	b, WV-KY	· ·	OIL AND	GAS DIVISION		Storage	
Permit No. Way-			WELL	RECORD		Oil or Gas	Well Gas (KIND)
Company Col	•	Cransmission Charleston,	•	Casing and Tublog	Used In Drilling	Left in Well	Packers
Farm E. D.				Size			
Location (waters)				16			Kind of Packer
		ි විශ්ල විද්යා සිට අත කරේ අතු එක් සිට කර කරේ යුතු වැනු ඇත. ඇත. යුතු යුතු දැනු කර ඇත. ඇත. යුතු යුතු යුතු යුතු ය 			64.03	64,03	
District Linco				10			Size of
		e by Mahala		33 8 5 / 8	1289.20	1289,20	appentation of the property of the statement of the state
		dd1628		6%			Depth set
Mineral riplate are	owned by Wi	ayne Co, Land	d and		3854.05		
			gton, WV	4%	2169.55	2874.55	කුරු කුණු මුණා සහ සක්කරුවේ සහ සම්බන්ධයේ කිරීමට කර කිරීමට සහ කිරීමට සහ සම්බන්ධයේ සහ සහ සහ සහ සහ සක්කරුවේ සහ සම
			55° 0			ą.	Perf. top 1442
			 (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		1399.65	N .	Perf. bottom 1454
			Ö			i	Perf. top
			V)	Perf. bottom
			Inch	•	cementing record.		
			Inch	• •			lo. Ft. 9-27-78 Date
			Cu. Ft.				
			hrs.				
			bbis., 1st 24 hrs.				FEET 36 INCHE
			ODIS., 1St 24 NTS.				FEET INCHE
		·					
WELL FRACTU	RED (DETAILS	3) Foam frac	tured Injun on the state of the	on 6-6-79 wi	th 500 gallo	ns 15% Aci	FEET INCHE d,

	•		·				
Producing Sand					. Depin		######################################
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil Sand	e de la composition della comp		0	10	•		
Sand & Shale			10	20			
Coal	Commission		20	23			
Sand	00 00 00 00 00 00 00 00 00 00 00 00 00		23	40			
Coal	N CONTRACTOR OF THE CONTRACTOR		40	42		CONTRACTOR OF THE PROPERTY OF	
Sand & Shale			42	564			
Salt Sand	Riversities of the Control of the Co		564	785	Show Gas	590'	·
Sand & Shale			785	965		Dutantoons	10.00 10.00
Maxon			965	981		time management	*Back-9*Acces
Shale & Sand			981	1070			
Shale	· ·		1070	1100			976.8
B. Lime			1100	1440	Gas- 21 MCF	1432'	

B. Lime 1440 1100 Gas- 21 MCF 1432' Injun 1440 1460 1460 1974 Shale 1974 2068 Berea 2068 3206 Shale Gas- 94 MCF 28001 Lime (Corniferous)
Shale Selurian 3206 3925 38901 Gas - 152 M¢F ? Rose Hill 3925 3956 H₂S-1700 ppm 3956 T.D. OCT 1 2 1979



STATE OF WEST VIRGINIA



DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS ENVISION DELT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

	TO THE DEPARTMENT OF MINES,				
	Charleston, W. Va.	DATE March 9, 1978			
	Surface Owner Melvin & Mahalia Mullins	Company Columbia Gas Trans. Corp.			
	Address	Address P.O. Box 1273, Charleston, W. Va			
	Mineral Owner Wayne Co. Land & Mineral Co.	F.D. Caldwell . 13 500			
	Address Rm.1115, First Nat'l. Bank Bldg. Huntington, W. Va. Same as about	Location (waters) Bull Creek			
	Coal Owner Same as abo	Vevel No. 20299-T Elevation 7.34.81			
	Address	District Lincoln County Wayne			
	Coal Operator Not Operated	Quadrangle Webb, W. Va Kentucky			
	Address	- Quality (
	THIS PERMIT MUST BE POSTED AT THE WELL SITE				
	All provisions being in accordance with Chapter 22,				
		RSPECTOR			
	for <u>drilling</u> . This permit shall expire if To	BE NOTIFIED Kenneth Butcher			
	operations have not commenced by 7-16-78. AI	DRESS RFD #1, Barboursville, W. Va.			
	Deputy Director - Oil & Gas Division	IONE 736-4885			
	GENTLEMEN:				
	the undersigned wen operator is entitled to drill upon the	above named farm or tract of land for oil and gas, having fee			
-	title thereto, (or as the case may be) under grant or lease de Caldwell made to United Fuel Gas	The state of the s			
	19, in Wayne County, Book 16				
	X NEW WELLDRILL DEEPER	REDRILL FRACTURE OR STIMULATE			
	OIL AND GAS WELL ORIGINALLY DRILLED				
		DEL ONE VOND V, 1900.			
	The enclosed plat was prepared by a registered engineer of have been notified as of the above date.	licensed land surveyor and all coal owners and/or operators			
	The above named coal owners and/or operator are hereby r to make by Section 3 of the Code, must be received by, or fil	notified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *			
	Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Dep	registered mail, or delivered to the above named coal operators day			
	•	Very truly yours			
	PLEASE SUBMIT COPIES OF ALL				
	GEOPHYSICAL LOGS DIRECTLY TO:	Sign Name Well Operator & Development			
	andra de la companya de la companya La companya de la co	P.O. Box 1273			
		L.O. BOR LE/S			
w. V	A. OIL & GAS CONSERVATION COMMISSION Address	Street			
	WASHINGTON STREET FAST OF	Charloston			
613	Trace	Charloston			
613	WASHINGTON STREET, EAST of Well Opera	tor Charleston			
613	WASHINGTON STREET, EAST of Well Opera	tor Charleston City or Town			

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.

BLANKET BOND

WAY-1607

PERMIT NUMBER

and understand the reclamation requirements as set forth in ricle 4. Section 12-b and will carry out the specified requirements."

47-099

tor, Exploration and Development

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

PROPOSED WORK ORDER TO DRILLING CONTRACTOR: (If		DEEPEN FRACTURE STIMULATE RESPONSIBLE AGENT: NAME Joe Campbell			
NAME					
ADDRESS		ADDRESS P.O. Box	2946, Huntington, W. V.		
TELEPHONE		TELEPHONE 529-	4173		
ESTIMATED DEPTH OF COMPL	ETED WELL: 3850'	ROTARY X	CABLE TOOLS		
PROPOSED GEOLOGICAL FORM	MATION: <u>Basal Cor</u> ni	ferous			
TYPE OF WELL: OIL_	GAS X CO	MBSTORAGE	DISPOSAL		
			ODOTHER		
TENTATIVE CASING PROGRAM					
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FIEL UP OR SACKS - CUBIC FT.		
20 - 16 xxxpx11-3/4	701				
9 - 5/8	70 1		Cement to surface		
8 - 5/8	1100'				
7	エエハハ		Cement to surface		
5 ½					
4 ½	3700'				
3	3100		Porf Top		
2-3/8	3850'		Perf. Top Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
		Andrew and the second section of the section of the second section of the sec			
OF PLAT. TO DRILL DEEPER OR REDRIL SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTE TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUT	OF OG - 1, \$100.00 PERMIT L: OF OG - 1, SHOWING ORIGIN O 1929, A PERMANENT COF D. RIGINALLY DRILLED BEFORM AND ORIGINAL WELL RECORGINALLY DRILLED ON AND MBER, AND PERFORMANCE B	FEE, PERFORMANCE BO AL PERMIT NUMBER AND PY OF THE PLAT AND TO E JUNE 5, 1929, FIVE (5) C RD. D/OR AFTER JUNE 5, 1929 FOND.	OND AND PERMANENT COPY OF PERFORMANCE BOND. ON HE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE OF FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-		
The following waiver must be thereof.	e completed by the coal opera	tor if the permit is to be is	ssued within ten days of receipt		
WAIVER: I the undersigned, Ager this lease have examine	nt for ed and place on our mine map				
			ll being drilled at this location, , Chapter 22 of the West Virginia		
		Fo	r Coal Company		
		t ma	Official Title		