



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Vadis N.W.

Permit No. Dodd-2469

Rotary_X	Oil
Cable	Gas_X
Recycling	Comb
Water Flood	Storage
Disposal	(Vind)

Permit No. Dodu-2409				Disposal	(Kind)
Companie Natural Con				1	
Company Carnegie Natural Gas	י דו דו דו	Casing and	Used in	Left	Cement fill up
Address 3904 Main Street, Munhal		Tubing	Drilling	in Well	Cu. ft. (Sks.)
Farm B.O. Davis Ac	res_22			1	
Location (waters) Lick Run	3,003	Size	principal de la company de		e national and the second
Well No. 2-1829 Ele		20-16	DOCUMENTAL		
District New Milton County Dod		<u>Cond.</u> 13-10"			
The surface of tract is owned in fee by					
Garnett C. Davis		9 5/8 8 5/8	1202	1202	450 sks.
Address Blandville, W.VA 26328					1
Mineral rights are owned by B.O. Davis:	A 26228	7 5 1/2		 	+
etal. Address Blandville, W.V.		5 1/2	5440	0بلبا5	85 sks.
Drilling Commenced August 29, 19		4 1/2	2440		U) BKB.
Drilling Completed September 9, 19		3		 	-
Initial open flow 6.300 cu. ft.	bbls.	2 77 3			
Final production 375,000 cu. ft. per day	bbls.	Liners Used	 		_
Well openhrs. before test 1	700 RP.		1		
Well treatment details:	•	Attach copy of o	cementing reco	ord.	
Perforated 5342-5404 with 18 sh	ots. Fractu	red by Halli	burton on	10/18/79	9 with 34,158 g
of water and 500 gal. of acid a	nd 90,000 lb	of sand.			
			·····		
					miken mengenya mengenya kanangan kenangan bahasan mengenya kanangan mengenya dan mengenya dan mengenya dan men
				·····	
Coal was encountered at None	Feet_		Inche	es	
Fresh waterFe	et	Salt V	Water		Feet
Producing Sand Alexander		Deptl	₁ <u>5342-5</u>	404	······································
**************************************	f	<u> </u>			
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	r Water	* Remarks
Substructor	0	70			

Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Substructor Sand Red Rock Sand Shale Sand Shale Red Rock Shale Sand Red Rock Shale Sand Red Rock & Shale Line Shale Red Rock & Shale Line Shale Sand Shale Sand Shale Sand Shale Sand		0 10 15 30 75 100 180 220 240 340 404 515 661 680 803 1010 1074 1227 1345 1355 1565 1780	10 15 30 75 100 180 220 240 340 404 515 661 680 803 1010 1074 1227 1345 1565 1780 1811	NOV 3 0 1979 OIL & GAS DIVISION DEPT. OF MINES

(over)

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

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Shale Sand Shale Red Rock Shale Lime Sand Shale Sand Shale Sand Shale Sand Shale	1811 1880 1935 1942 1948 - 1972 2060 2160 2250 2375 2604 2636 4505 4505	1880 1935 1942 1948 1972 2060 2160 2250 2375 2604 2636 4505 4580 5472	
T.D.		5472	e digitalism di Sila Mendidistri. Majarahan salah Sila Majarahan
		7416 (18.4)	
	Garden Copy of the		n en la Kommunia projektion better francische er Ottomation in de la september 1991 in de la september 1991.
en e			
			できる[4.5]「4.5]「4.5]「4.5]「4.5]「4.5]「4.5]「4.5]
			AUGAT La propies Augusta Augusta
		REPORT OF THE PARTY OF THE PART	terist Skatsarij Skatsarij Skatsarij i skatsarij aptilati
	3408 3 140 4 15 3 3 15 1		
·		mana di salah di sala	
			November 28.

APPROVED Carnegie Natural Gas Company (when By July Geologist (Title)





Oil and Gas Division

OF SEGAS DIVISION FET OF MINES

OIL AND GAS WELL PERMIT APPLICATION

	RTMENT OF MINES, ston, W. Va.			
Olimi ic		DATE August 10, 1979		
Surface Owner	ace Owner	Company Carnetic Natural Was Company		
	31 marville, W. Ve. 26328		ot, Munhal , P . 1512(
	F. O. Bavis Heirs etal		Acres	
Address	Slandvil e, W. Vs. 26328	Location (waters)		
Coal Owner		Well No2-1829	Elevation 1093	
Address				
Coal Operator	No compercial coal	Quadrangle VIII No. 10		
Address				
HIS PERMIT MUST	BE POSTED AT THE WELL SITE			
All provisions being	in accordance with Chapter 22, , the location is hereby approved			
for <u>drilling</u>	. This permit shall expire if	INSPECTOR TO BE NOTIFIED Paul Garret	t	
operations have got	commenced by 4-14-80	ADDRESS		
Deputy Director -	Oil & Gas Division	PHONE		
GENTLEMEN:				
19_26 in _00d()	made to County, Book	ease datedand recorded on the	mber3day of	
AND S.		REDRILLFRAC		
OIL	AND GAS WELL ORIGINALLY DRI	LLED BEFORE JUNE 5, 1969.	TURE OR STIMULATE	
The enclosed p	olat was prepared by a registered engin as of the above date.	eer or licensed land surveyor and all coal	owners and/or operators	
The above nam to make by Section	ned coal owners and/or operator are her on 3 of the Code, must be received by,	reby notified that any objection they wish or filed with the Department of Mines wi	to make, or are required thin ten (10) days. *	
or com a Milera We	then above shown respective angress	ed by registered mail, or delivered to the ab- day	2 - P	
	COPIES OF ALL COGS DIRECTLY TO:	Very truly yours, (Sign Name) Well Operator	tural Gas Company	
ECONOMIC SURV		ddress 390 Min Street	**************************************	
P. O. BOX 879 MORGANTOWN, W AC-304 - 292	EST VIRGINIA 26505 Well	Operator Munhall City or Town		
	t daligi bilang terminak mengeberahkan		int statem was	
	an indicate expension for the property of the second	Pennsylvani. State	2, 1,2,20	

*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.

. BLANKET BOND

47-017-2469

PERMIT NUMBER

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

PROPOSED WORK ORDER TO	ODRILL	DEEPEN F	RACTURE-STIMILLATE	
DRILLING CONTRACTOR: (I	f Known)	RESPONSIBLE AGENT:		
AME		NAME L. Yoho- Div. Supt.		
ADDRESS	7. 75. 26h56		Onte, V. Va. 2602	
TELEPHONE	• 73-16/2	TELEPHONE		
ESTIMATED DEPTH OF COMP	PLETED WELL: 5400		CABLE TOOLS	
PROPOSED GEOLOGICAL FOR		IIIIIIII —	CABLE TOOLS	
		OMP COMPAGE	DISPOSAL	
	ithe i ohi.	NG WATER FLO	ODOTHER	
TENTATIVE CASING PROGRA	M:			
CASING AND TUBING SIZE	USED FOR	LEFT IN	CEMENT FIEL UP	
20 - 16	DRILLING	WELL	ON SICKE COR II.	
13.440	301		The second secon	
9 - 5/8			* * . Sec.	
8 - 5/8	1200	1200 •	A Color	
7		4.44-48-37	To surface	
5.1/2			2.80	
4 1/2	400	Show	600	
3			Perf. Top	
2			Perf. Bottom	
Liners			Perf. Top	
			Perf. Bottom	
APPROXIMATE PRESULTIVATION	DEDDITO			
APPROXIMATE FRESH WATER	DEPTHSFEET _	SALT WATER _	FEET	
APPROXIMATE COAL DEPTHS	W. co.	3	The state of the s	
IS COAL BEING MINED IN TH	IE AREA?	BY WHOM?		
TO DRILL:				
SUBMIT FIVE (5) COPIES OF PLAT.	OF OG - 1, \$100.00 PERMIT	Γ FEE, PERFORMANCE BO	ND AND PERMANENT COPY	
O DRILL DEEPER OR REDRII				
WELLS DRILLED PRIOR T MUST ALSO BE SUBMITTE	10 1323, A PERMANENT CO	NAL PERMIT NUMBER AND PY OF THE PLAT AND TH	PERFORMANCE BOND. ON HE ORIGINAL WELL RECORD	
	· ·			
OF FRACTURE - STIMULATE:				
,	AND ORIGINAL WELL RECO	ORD.	OPIES OG - 1, PERFORMANCE	
OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	RIGINALLY DRILLED ON AN MBER,AND PERFORMANCE 1	D/OR AFTER JUNE 5, 1929 BOND.	FIVE COPIES OG - 1, SHOW-	
Required forms must be filed four (24) hours in advance.	d within ninety (90) days of co	empletion for bond release. I	nspector to be notified twenty-	
(21) nours in auvance.			•	
a.			The second secon	
The following waiver must be nereof.	pe completed by the coal opera	ator if the permit is to be iss	sued within ten days of receipt	
AIVER: I the undersigned, Ages this lease have examine	ed and place on our mine map	Coal Company, Owner o	or Operator of the coal under	
providing operator has a	Coal Company ha	ave no objections to said well	being drilled at this location,	
Code.	complied with all rules and regul	ations in Articles 4, 5, and 7,	Chapter 22 of the West Virginia	
			_	
			Coal Company	
Andrew Communication Communication (Communication)	and the second s		Coar Company	
en e		***************************************	Official Title	