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Division of Energy  
SEPT 10 90  
Permitting  
Oil and Gas Section

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: YOCHYM, ROSE A. Operator Well No.: MULLOOLY 2

LOCATION: Elevation: 1230.00 Quadrangle: ROANOKE

District: COURT HOUSE County: LEWIS  
Latitude: 1100 Feet South of 39 Deg. 0 Min. 0 Sec.  
Longitude 9650 Feet West of 80 Deg. 25 Min. 0 Sec.

Company: PETROLEUM DEVELOPMENT COR  
P. O. BOX 26  
BRIDGEPORT, WV 26330-0026

Agent: ERIC R. STEARNS

Inspector: STEVE CASEY  
Permit Issued: 07/12/90  
Well work Commenced: 08/02/90  
Well work Completed: 08/06/90  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) 2527'  
Fresh water depths (ft) 1047'  
Salt water depths (ft) \_\_\_\_\_

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	30'	.	
8 5/8"	1203'	1203'	290 sks
4 1/2"	2533'	2533'	

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 159-162; 920-924

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2520-27  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 5.2 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 900 psig (surface pressure) after 72 Hours

Natural

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PETROLEUM DEVELOPMENT CORP.

By: Eric R. Stearns

Date: August 28, 1990

SEP 14 1990

Mulooly #2

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
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Well came in natural

### W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	1800	Damp H2O @ 1047'
Little Lime	1800	1828	coal 159-162; 920-924
sand, shale	1828	1846	gas chk @ 2310' No Show
Big Lime	1846	1880	gas chk @ 2527' 20/10-7"Mer
Big Injun	1880	2032	gas chk @ 2527' 10/10-7"Mer
sand, shale	2032	2520	
Gordon	2520	2527	T. D. 2527' 8/10-7"Mer

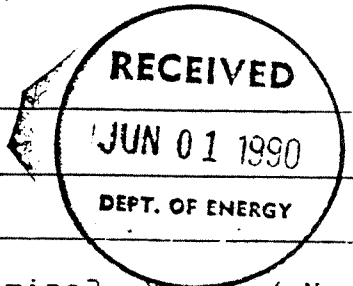
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APR 1960

041-4008  
 Issued 07/12/90  
 Expires 07/12/92  
 Page \_\_\_ of \_\_\_

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Petroleum Development Corporation
- 2) Operator's Well Number: Mullooly #2 3) Elevation: 1230'
- 4) Well type: (a) Oil \_\_\_ / or Gas XX  
 (b) If Gas: Production XX / Underground Storage \_\_\_ /  
 Deep \_\_\_ / Shallow XX /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 45, 1100
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 127, 281
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No XX /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12) CASING AND TUBING PROGRAM



TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4	H-40	42	30	-----	-----
Fresh Water						
Coal						
Intermediate	8 5/8	H-40	20/23	1150	1150	380918-11.3 380918-11.22
Production	4 1/2	M-75	10.5	5000	5000	450 sks
Tubing						380918-11.1
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket one  Agent

041-4008  
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1) Date: May 30, 1990  
2) Operator's well number  
Mullooly #2  
3) API Well No: 47 - 041 - 4008  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Rose A. Yochym  
Address Rt. 1, Box 438  
Clarksburg, WV 26301  
(b) Name Charles G. Yochym  
Address Rt. 5, Box 373  
Clarksburg, WV 26301  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Stephen Casey #2  
Address Rt. 2, Box 232-D  
Jane Lew, WV 26378  
Telephone (304)- 745-4888

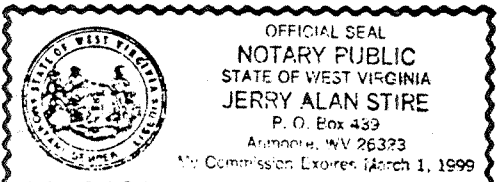
5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Same As Surface  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)  
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:  
\_\_\_\_\_ Personal Service (Affidavit attached)  
XX Certified Mail (Postmarked postal receipt attached)  
\_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.  
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.  
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Petroleum Development Corporation  
By: \_\_\_\_\_  
Its: Geologist  
Address P.O. Box 26  
Bridgeport, WV 26330  
Telephone 304-842-6256



Subscribed and sworn before me this 30th day of May, 1990

Jerry Alan Stire  
Notary Public  
My commission expires March 1, 1999