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WV Division of  
Environmental Protection

OCT 19 1994

30-Jul-93  
API # 47-61-01118

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: PAWLAK, REBECCA J. Operator Well No.: A-1969 (PAWLAK)

LOCATION: Elevation: 2,014.00 Quadrangle: MORGANTOWN SOUTH

District: CLINTON County: MONONGALIA  
Latitude: 13580 Feet South of 39 Deg. 32Min. 30 Sec.  
Longitude 340 Feet West of 79 Deg. 55 Min. Sec.

Company: ALAMCO, INC.  
200 W. MAIN ST., P.O. BOX 1740  
CLARKSBURG, WV 26302-1740

Agent: MARTY L. PERRI

Inspector: RANDAL MICK  
Permit Issued: 08/06/93  
Well work Commenced: 09/09/94  
Well work Completed: 09/21/94  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) \_\_\_\_\_  
Fresh water depths (ft) 30, 260  
Salt water depths (ft) 1220

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 254

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	30'		
8-5/8"	679.55'	679.55'	185 Sks. to Surface
4-1/2"		1851.50'	160 Sks. 205 Ft. 3

OPEN FLOW DATA

Producing formation 4th Sand Pay zone depth (ft) 1702-1724  
Gas: Initial open flow 94 MCF/d Oil: Initial open flow - Bbl/d  
Final open flow 260 MCF/d Final open flow - Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 380 psig (surface pressure) after 72 Hours

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: ALAMCO, INC.

OCT 28 1994

By: Richard R. Hoffman  
Date: \_\_\_\_\_

Formations: 0-538' from Drillers Log Book - 538' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>
0	5	SD
5	111	SH
111	160	SD
160	254	SH & SD
254	256	Coal
256	538	SH, RR & SD
538	569	Lime & SH
569	781	Big Lime/Injun
781	834	Squaw
834	898	SH
898	1001	Weir
1001	1125	SH
1125	1183	Gtz/50'
1183	1701	SD & SH
1701	1734	4th Sand
1734	1877	SD & SH
	1875	Driller TD
	1877	Log TD

Water, Coal, Gas

Water: 30'; 260'; 1220'

Coal: 254'

Oil: None

Gas Checks:

750'	N/S
875'	N/S
936'	N/S
1030'	N/S
1092'	N/S
1153'	N/S
1184'	N/S
1246'	N/S
1647'	N/S
1740'	94 MCFD
TD	94 MCFD

Treatment and Perforations:

Stimulation: 09/21/94

Perforations: (1702-1724') 12 holes

Frac: 4th Sand WF-20 w/N2  
40,000# 20/40 Sand, 716 BBLs,  
101,000 SCF N2

58961

17685

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JUL 22 93

Permitting  
Office of Oil & Gas

FORM WW-2B

067-1118  
Issued 8/6/93  
Expires 8/6/95

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

- 1) Well Operator: ALAMCO, INC. 010 (975) (4) 485
- 2) Operator's Well Number A-1969 (PAWLAK) 3) Elevation: 1919'
- 1) Well type: (a) OIL      / or GAS XX /  
(b) If Gas: Production XX / Underground Storage      /  
Deep      / Shallow XX /
- 1) Proposed Target Formation(s): Speechley/Balltown 433
- 1) Proposed Total Depth: 3,300 feet
- 1) Approximate fresh water strata depths: NONE
- 1) Approximate salt water depths: NONE
- 1) Approximate coal seam depths: 69'-75'
- 0) Does land contain coal seams tributary to active mine? Yes      / No XX /
- 1) Proposed Well Work: SEE ATTACHED
- 2) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP (Cu. Ft.)
	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	
Conductor	11-3/4"	LS	32#	40'	40'	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	24#	713'	713'	As required by 38 CSR 18-11-22
Production	4-1/2"	M-75	11.60	3300'	3300'	As required by 38 CSR 38-11-1
Tubing						
Liners						

ACKERS: Kind NONE  
 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 TYPE  Agent

LPH

1) Date: July 20, 1993  
2) Operator's well number A-1969 (PAWLAK)  
3) API Well No: 47 - 061 - 1118  
State - County - Permit

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Rebecca J. Pawlak  
Address 8525 Shoal Creek Blvd - Apt 205  
Austin, Texas 78758  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:  
Name NONE OF DECLARATION  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Rebecca J. Pawlak  
Address 8525 Shoal Creek Blvd - Apt. 205  
Austin, Texas 78758  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Randal Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304) - 987-3324

(c) Coal Lessee with Declaration  
Name NONE OF DECLARATION  
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 9 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 ALAMCO, INC.  
By: [Signature]  
Its: Manager, Land  
Address P. O. Box 1740  
Clarksburg, WV 26302-1740  
Telephone 304 623-6671

Subscribed and sworn before me this 21st day of July, 1993

[Signature] Notary Public  
My commission expires December 9, 2002