

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

Well Operator's Report of Well Work

Farm name: GILES, LAWRENCE W. Operator Well No.: A-1970

LOCATION: Elevation: 1,791.00 Quadrangle: MORGANTOWN SOUTH

District: CLINTON County: MONONGALIA
Latitude: 2150 Feet South of 39 Deg. 32Min. 30 Sec.
Longitude 175 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: 11/08/93
Well work Commenced: 10/05/94
Well work Completed: 11/04/94
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2109
Fresh water depths (ft) 142'
Salt water depths (ft) 1246'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4	30'		
8-5/8	657'	657'	185 Sks. To surface
4-1/2		2054.30'	170 Sks. 219 Ft. ³

OPEN FLOW DATA

Producing formation Bayard Pay zone depth (ft) 1886-1919
Gas: Initial open flow 100 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 0 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 475 psig (surface pressure) after 72 Hours
Second producing formation 4th Sand Pay zone depth (ft) 1737-1755
Gas: Initial open flow 100 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 187 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 410 psig (surface pressure) after 72 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.

By: Richard R. Hoffman
Date: 12-5-94

Formations: 0-607' from Drillers Log Book - 607' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>	
0	10	SH	<u>Water:</u> Damp @ 142'	
10	45	SD	1/2" @ 1246'	
45	175	SH		
175	294	SD	<u>Coal:</u> None	
294	560	SH & RR		
560	607	SH & Lime	<u>Oil:</u> None	
607	831	Big Lime/Injun		
831	946	SD & SH	<u>Gas Checks:</u>	
946	1032	Weir		
1032	1154	SH	748'	N/S
1154	1217	Gtz/50'	934'	N/S
1217	1740	SD & SH	1027'	N/S
1740	1768	4th Sand	1427'	N/S
1768	1786	SH	1521'	N/S
1786	1815	5th Sand	1707'	N/S
1815	1828	SH	1800'	70 MCFD
1828	1923	Bayard	1955'	70 MCFD
1923	2109	SH	2109'	100 MCFD
	2109	Drlg. T.D.		
	2103	Log T.D.		

Treatment and Perforations:

10/19/94

Bayard (1886-1919) 12 holes WF20
w/N2 Assist 40,000# 20/40,
767 BBLs.

11/04/94

4th Sand (1737-1755) 10 holes
Foam Frac, 40,000# 20/40,
593 BBLs.

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

18149

Well Operator: ALAMCO, INC. (975)
Operator's Well Number A-1970 GILES/CAYTON 3) Elevation: 1,791'

Well type: (a) OIL ___/ or GAS XX/
(b) If Gas: Production XX/ Underground Storage ___/
Deep ___/ 433 Shallow XX/

Proposed Target Formation(s): Balltown/Speechley

- 5) Proposed Total Depth: 3,000 feet
- 7) Approximate fresh water strata depths: HOLE DAMP @ 180'
- 8) Approximate salt water depths: NONE
- 9) Approximate coal seam depths: NO COAL REPORTED
- 10) Does land contain coal seams tributary to active mine? Yes ___/ No XX
- 11) Proposed Well Work: SEE ATTACHED
- 12) CASING AND TUBING PROGRAM

New Well.

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (Cu. Ft.)
Conductor	11-3/4"	LS	32#	40'	40'	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	23#	700'	700'	As req. by 38 CSR 18-11-11.2
Production	4-1/2"	J-55	10.50#	3,000'	3,000'	As req. by 38 CSR 38-11-
Tubing						
Liners						

PACKERS: 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

2 1 93

3) API Well No: 47 - 061 - 1127
State - County - Permit

Permitting
Office of Oil & Gas
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 Lawrence W. Giles
 - Address Route 9, Box 119-T
Morgantown, WV 26505
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
- Name _____
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name Lawrence W. Giles
 - Address Route 9, Box 119-T
Morgantown, WV 26505
 - Name Roy P. Cayton & Gracella Cayton
 - Address Route 3, Box 542-B
Morgantown, WV 26505
 - (c) Coal Lessee with Declaration
 - Name _____
 - Address _____
- 6) Inspector Randal Mick
- Address 111 Blackshere Drive
Mannington, WV 26582
 - Telephone (304)-986-3324

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 12 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: Marty [Signature]
 Its: Manager, Land
 Address 200 West Main Street
Clarksburg, WV 26302-1740
 Telephone 304 623-6671

Subscribed and sworn before me this 27th day of September, 19 93

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

WELL OPERATOR ALAMCO, INC.
OPERATOR WELL NO: A-1970 GILES/CAYTON
FILE NUMBER 47-061- 1127

11. Proposed Well Work:

Well A-1970 will be drilled to approximately 700' KB. The 8-5/8" casing will be set at approximately 700' KB and then cemented to surface. The well will then be drilled to 3,000' KB and the 4-1/2" casing set at approximately 3,000' KB. The 4-1/2" casing will be cemented to 1,100' KB. The well will then be hydraulically fractured in the Balltown/Speechley Sand Formation.

12. Plan for partial abandonment:

GGB\0924933.0