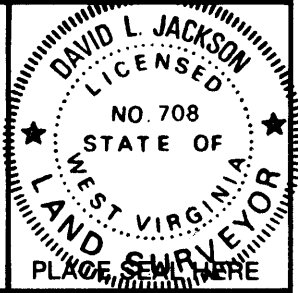


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Top of knob 4500'
NE of Location; elev. 1917'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) David L. Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS



DATE November 7, 19 94
 OPERATOR'S WELL NO. 2040
 API WELL NO. 47-061-1182
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1643' WATERSHED Booths Creek
 DISTRICT Clinton COUNTY Monongalia
 QUADRANGLE Gladesville 7 1/2' Thomson NW
 SURFACE OWNER Linn Herron ACREAGE 132.125
 OIL & GAS ROYALTY OWNER Elaine H. Shale et al LEASE ACREAGE 132 out of 170
 LEASE NO. 4699
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Halderburg ESTIMATED DEPTH 8400
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Marty Perri
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

COUNTY NAME
 PERMIT

FORM WW-8

6-6 313

RECEIVED
WV Division of
Environmental Protection

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
JAN 12 1995

Permitting Well Operator's Report of Well Work

Farm name: **Office of Oil & Gas** HERRON, LINN & DOROTHY Operator Well No.: 2040

LOCATION: Elevation: 1,643.00 Quadrangle: GLADESVILLE

District: CLINTON County: MONONGALIA
Latitude: 3090 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 7975 Feet West of 79 Deg. 55 Min. 0 Sec.

Company: ALAMCO, INC.
P O BOX 1740
CLARKSBURG, WV 26302-1740

Agent: MARTY L. PERRI

Inspector: RANDAL MICK
Permit Issued: 11/17/94
Well work Commenced: 11/28/94
Well work Completed: 12/27/94
Verbal Plugging
Permission granted on: 11/20/94
Rotary X Cable _____ Rig
Total Depth (feet) 7811
Fresh water depths (ft) 125

Salt water depths (ft) 1058

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	316	316	150 Sks. 184 Ft.
8-5/8	2169	2169	645 Sks. 753 Ft.
4-1/2		7706	225 Sks. 358 Ft.

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 7380-7488
Gas: Initial open flow Odor MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 2320 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 3100 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.

By: [Signature] Richard R. Hoffman
Date: _____

Formations: 0-2200' from Drillers Log Book - 2200' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>	
0	140	SH	<u>Water:</u>	125'
140	680	SD & SH		1058' Salt Water
680	1000	Lime & SH		
1000	2521	SD & SH	<u>Coal:</u>	None
2521	2541	Speechley		
2541	2730	SD & SH	<u>Oil:</u>	None
2730	2790	Balltown		
2790	6973	SH	<u>Gas Checks:</u>	
6973	7060	Tully Limestone		
7060	7260	SH	1450'	N/S
7260	7358	Marcellus	1698'	47 MCFD
7358	7367	Onondaga	1730'	33 MCFD
7367	7516	Huntersville Chert	1762'	45 MCFD
7516	7542	Needmore Shale	2200'	N/S
7542	7553	Basal Limestone	2819'	N/S
7553	7612	Oriskany	3812'	N/S
7612	7811	SH	4304'	N/S
	7811	Drillers TD	5428'	N/S
	7810	Log TD	7369'	N/S
			7528'	N/S
			7810'	11 MCFD

Treatment and Perforations:

Stimulation: 12/27/94
Huntersville Chert

Perforations: (7380-7488')
27 Holes; WF-30 w/5% HCl throughout
15,000# 80/100; 60,000# 20/40;
1293 BBLs. Total Fluid

061-1182 leased 11/17/94

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS *express 11/17/96*
WELL WORK PERMIT APPLICATION

1) Well Operator: ALAMCO, INC. 975 (4) 368

2) Operator's Well Number 2040 3) Elevation: 1,643'

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

20010

Proposed Target Formation(s): HELDERBURG 485

Proposed Total Depth: 8,400 feet

Approximate fresh water strata depths: 80'

Approximate salt water depths: NONE

Approximate coal seam depths: 150'

Does land contain coal seams tributary to active mine? Yes / No XX /

11) Proposed Well Work: SEE ATTACHED

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"	LS	32#	300'	300 <i>45</i>	As required by 38 CSR 18-11-3 38 CSR 18-11-2.2
FRESH WATER						
COAL						
INTERMEDIATE	8-5/8"	J-55	24#	2,033'	2,033'	As required by 38 CSR 18-11-3 38 CSR 18-11-2.2
PRODUCTION	4-1/2"	M-75	11.60#	7,800'	7,800'	As required by 38 CSR 38-11-1

PACKERS: Kind NONE
Sizes
Depths Set

08 4949 / 36
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond CC Blanket Agent

1) Date: November 8, 1994
2) Operator's well number
2040
3) API Well No: 47 - 061 - 1182
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: 5) (a) Coal Operator:
 (a) Name Linn Herron and Dorothy Herron Name NO RECORD DECLARATION
 Address 11408 Rosedale Lane Address _____
Beltsville, MD 20705
 (b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name Elaine Shale, et al
 Address 729 Monongalia Avenue
Morgantown, WV 26505
 (c) Name _____ Name _____
 Address _____ Address _____
- 6) Inspector Randal Mick (c) Coal Lessee with Declaration
 Address 111 Blackshere Drive Name NO RECORD DECLARATION
Mannington, WV 26582 Address _____
 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 _____ on the above named parties, by:
XX Personal Service (Affidavit attached)
 _____ 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 Kesser
 Its: Manager, Land
 Address 200 West Main Street
Clarksburg, WV 26301
 Telephone 304 623-6671

Subscribed and sworn before me this 9th day of November, 1994

Notary Public



OFFICIAL SEAL
NOTARY PUBLIC

Commission Expires _____

December 9, 2002

ALAMCO, INC.
200 WEST MAIN ST
CLARKSBURG, WV 26301
My Commission Expires December 9, 2002



STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

November 17, 1994

Division of Environmental Protection
Office of Oil and Gas
Nitro, West Virginia

Re: Application for Permit #47-061-01182 to drill deep well.

COMPANY: ALAMCO, INC.

FARM: Linn Herron #2040

COUNTY: Monongalia DISTRICT: Clinton QUAD: Gladesville

The application of the above company is Approved for Helderburg.
(Approved or Disapproved)

Applicant has complied with the provisions of Chapter twenty-two, eight (22-8), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owner; **yes**
- 2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of operator and; ***yes**
- 3.) Provided a plat showing that the proposed location is a distance of **853** feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

A handwritten signature in black ink, appearing to read "Brett Loflin".

Brett Loflin
Engineer III

3,600 feet to 47-061-01180

WELL OPERATOR ALAMCO, INC.
OPERATOR WELL NO: 2040
FILE NUMBER 47-061- 1182

11. Proposed Well Work:

Well 2040 will be drilled to approximately 300' KB. The 11-3/4" casing will be set at approximately 300' KB and then cemented to surface. The well will then be drilled to 2,073' KB and the 8-5/8" casing set at approximately 2,033' KB and then cemented to surface. The well will then be drilled to 7,800' KB and the 4-1/2" casing set at approximately 7,800' KB. The 4-1/2" casing will be cemented to 6,950' KB. The well will then be hydraulically fractured in the Helderberg Formation.

12. Plan for partial abandonment: