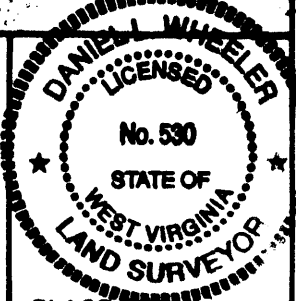


**D. L. WHEELER & ASSOCIATES, INC.**  
 J. F. ALLEN BUILDING, SUITE 200  
 600 DAVISSON RUN ROAD  
 CLARKSBURG, WEST VIRGINIA 26301  
 Tele. Ph.: 304-623-5851  
 Fax. No.: 304-623-6131

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION WELL API NO. 0129  
 ELEV. = 1836.2'

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) *Daniel L. Wheeler*  
 R.P.E. \_\_\_\_\_ L.L.S. 530  
 DANIEL L. WHEELER



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



DATE SEPTEMBER 14, 19 92  
 OPERATOR'S WELL NO. A-1908  
 API WELL NO. 47-077-0279

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS,") PRODUCTION  STORAGE DEEP SHALLOW   
 LOCATION: ELEVATION 1823' WATERSHED FIELDS CREEK  
 DISTRICT VALLEY 8 COUNTY PRESTON  
 QUADRANGLE GLADESVILLE 7.5' *Thorn*

SURFACE OWNER PATRICIA W. & JAMES M. BUCK ACREAGE 110  
 OIL & GAS ROYALTY OWNER PATRICIA WARD BUCK, ET. AL. LEASE ACREAGE 110  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL  CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON CLEAN OUT AND REPLUG  
 TARGET FORMATION SPEECHLY/BALLTOWN ESTIMATED DEPTH 3400'  
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTI PERRI  
 ADDRESS P.O. BOX 1740 CLARKSBURG, WV. 26301  
 ADDRESS P.O. BOX 1740 CLARKSBURG, WV. 26301

WEST VIRGINIA DEPARTMENT OF ENERGY FORM WW-6

COUNTY NAME PERMIT

NOV 17 92  
WV Division of  
Environmental Protection

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

Well Operator's Report of Well Work

Farm name: BUCK, PATRICIA & JAMES Operator Well No.: WARD A-19C8

LOCATION: Elevation: 1823.00 Quadrangle: GLADESVILLE

District: VALLEY County: PRESTON  
Latitude: 1400 Feet South of 39 Deg. 30Min. 0 Sec.  
Longitude 0 Feet West of 79 Deg. 52 Min. 30 Sec.

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

Agent: MARTY L. PERRI

Inspector: PHILLIP TRACER  
Permit Issued: 10/01/92  
Well work Commenced: 10/03/92  
Well work Completed: 11/12/92  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary XX Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 2,997' KB  
Fresh water depths (ft) 50', 140'  
Salt water depths (ft) NONE

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	30'	--	
8-5/8"	486'	486'	To Surface
4-1/2"	2,866'	2,866'	To 1152' KB
2-3/8"	2,753'	2,753'	--

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 230'-235'

OPEN FLOW DATA NO TEST

Producing formation Speechley & Balltown Pay zone depth (ft) 2451'-2779'  
 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

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.

Reviewed TM6  
Recorded CH

For: ALAMCO, INC.  
By: [Signature]  
Date: 11/13/92 DEC 14 1992

FORMATION DEPTHS:

<u>Top</u>	<u>Bottom</u>	<u>Rock Type</u>
0	50	Sand
50	230	Sand & Shale
230	235	Coal & Shale
235	275	Sand & Shale
275	565	Red Rock & Shale
565	585	Lime & Shale
585	600	Red Rock & Shale
600	702	Big Lime
702	730	Red Rock & Shale
730	800	Big Injun
800	881	Sand & Shale
881	1013	Sand
1013	1846	Sand & Shale
1846	1867	Sand
1867	2446	Sand & Shale
2446	2454	1st Speechley
2454	2500	Sand & Shale
2500	2550	2nd Speechley
2550	2572	Shale
2572	2592	3rd Speechley
2592	2630	Sand & Shale
2630	2636	1st Balltown
2636	2700	Sand & Shale
2700	2716	2nd Balltown
2716	2758	Sand & Shale
2758	2780	3rd Balltown
2780	2997	Sand & Shale

1/2" H<sub>2</sub>O @ 50'  
1" H<sub>2</sub>O @ 140'

Gas Check @ 881' N/S  
Gas Check @ 974' N/S  
Gas Check @ 1191' N/S  
Gas Check @ 1688' N/S  
Gas Check @ 1812' N/S  
Gas Check @ 1843' N/S  
Gas Check @ 2467' N/S  
Gas Check @ 2623' N/S  
Gas Check @ 2810' N/S

PERFORATION INTERVALS:

1st, 2nd, 3rd Speechley  
(2451'-2595') - 16 shots

1st Balltown (2632'-35')  
2 shots  
2nd Balltown (2702'-14')  
5 shots  
3rd Balltown (2761'-79')  
10 shots

FRACTURE:

Well was fractured on  
11/02/92 with 1st, 2nd and  
3rd Speechley and 1st Ball-  
town receiving 60,000 lbs.  
of 20/40 sand and the 2nd  
and 3rd Balltown receiving  
40,000 lbs. of 20/40 sand.  
5% HCl ran throughout both  
stages.

RECEIVED

WV Division of  
Environmental Protection

SEP 3 0 92

Permitting  
Office of Oil & Gas

- 1) Date: September 21, 1992
- 2) Operator's well number  
A-1908 (WARD)
- 3) API Well No: 47 - 077 - 0279  
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:

Surface Owner (a) Name Patricia W. & James Buck  
and 5/6'ths Address 4012 Beechwood Road  
mineral owner University Park, MD 20782

(b) Name James J. Hawkins, Sr.  
Address 916 Fortney Street  
Morgantown, WV 26505

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Phillip Tracy  
Address Route 2, Box 37-A  
Montrose, WV 26283  
Telephone (304)-636-8798

5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration  
Name Patricia Ward Buck & James M. Buck  
Address 4012 Beechwood Road  
University Park, MD 20782  
Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration  
Name N/A  
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 8 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 AMCO, INC.  
By: Marty Perry  
Its: Manager, Land  
Address P. O. Box 1740  
Clarksburg, WV 26302-1740  
Telephone 304 623-6671

Subscribed and sworn before me this 22nd day of September, 1992

Elsie A. Coy  
My commission expires February 21, 1999

COMMISSIONER  
\*\*\*\*\*

SEP 30 92

077-0279  
 Issued 10/01/92  
 Expires 10/01/94

Permitting  
 Office of Oil & Gas  
**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

- 1) Well Operator: ALAMCO, INC. 975 (8) 368
- 2) Operator's Well Number A-1908 (WARD) 3) Elevation: 1823'
- 4) Well type: (a) OIL     / or GAS XX /  
 (b) If Gas: Production XX / Underground Storage     /  
 Deep     / Shallow XX /
- 5) Proposed Target Formation(s): Speechley / Balltown
- 6) Proposed Total Depth: 3400' feet
- 7) Approximate fresh water strata depths: 85'
- 8) Approximate salt water depths: -0-
- 9) Approximate coal seam depths: -0-
- 10) 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		40'	-0-	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	23#	500'	<u>6/5</u> 500'	As required 38 CSR 18-11 38 CSR 18-11
Production	4-1/2"	J-55	J.55 10.50#	3,000'	3,000'	As required 38 CSR 38-11
Tubing						
Liners						

PACKERS: Kind NONE  
 Sizes      
 Depths Set    

For Division of Oil and Gas Use Only

14368  
33

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond Blanket  Agent

TYPE

Well Operator: ALAMCO, INC.  
Operator Well No.: A-1908 (WARD)  
File Number: 47 - 077 - 0279

**RECEIVED**  
77 Division of  
Environmental Protection

SEP 30 92

Permitting  
Office of Oil & Gas

~~~~~  
11.) Proposed well work:

Well A-1908 will be drilled to approximately 500'. The 8-5/8" casing will be set at approximately 500' and then cemented to surface. The well will then be drilled to 3,400' KB and the 4-1/2" casing set at approximately 3,000' KB. The 4-1/2" casing will be cemented to 2,200' KB. The well will then be hydraulically fractured in the Speechley/Balltown formations.

12.) Plan for partial abandonment: