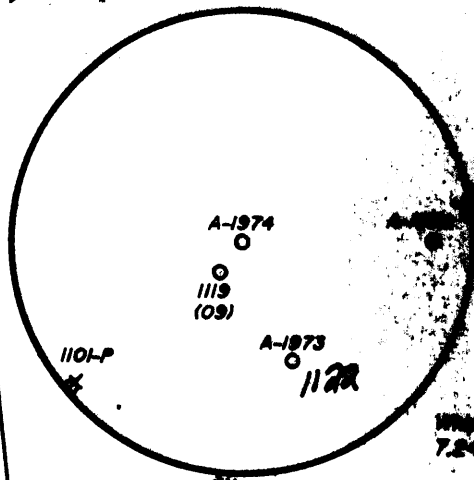
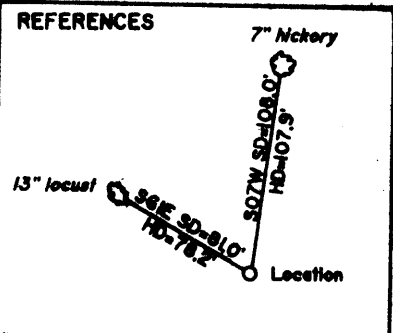


*June 11/15/93*



LONGITUDE 79-55-00 W

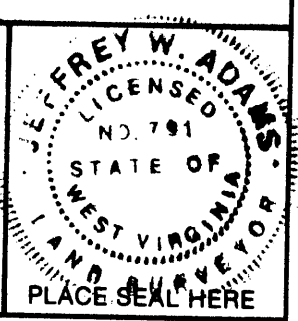
NORTH



(+) 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 Hill top 350'  
SW of Location; elev. 1930'

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) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 791



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



DATE August 26, 19 93  
 OPERATOR'S WELL NO. A-1974  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X

LOCATION: ELEVATION 1890 WATERSHED Cobun Creek  
 DISTRICT Clinton COUNTY Monongalia

QUADRANGLE Morgantown South 7 1/2' & 15 SW  
 SURFACE OWNER Thomas A. Laurita ACREAGE 48.705  
 OIL & GAS ROYALTY OWNER Thomas A. Laurita LEASE ACREAGE 48.705  
 LEASE NO. 3129

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 Balltown / Speechley ESTIMATED DEPTH 3000  
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Marty Ferri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

COUNTY NAME

PERMIT

*329 0.40*

A-1973

J. Laurita 46.47 ac.

Summers 10 ac.

Kelley 90.455, ac.

Whitney 7.842 ac.

Laurita 1.885 ac.

Abruzzino 2.784 ac.

Freeman 2.707 ac.

48.705 ac. total

Location A-1974

LR. (fd. 1/2" iron rod)



FORM WW-8

*6-6 South Burns Chapel (712)*

**RECEIVED**  
 WV Division of  
 Environmental Protection

OCT 19 1994

Permitting  
 Office of Oil & Gas

20-Oct-93  
 API # 47- 61-01123

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

Well Operator's Report of Well Work

Farm name: LAURITA, THOMAS A. Operator Well No.: LAURITA A-1974

LOCATION: Elevation: 1,890.00 Quadrangle: MORGANTOWN SOUTH

District: CLINTON County: MONONGALIA  
 Latitude: 2175 Feet South of 39 Deg. 32Min. 30 Sec.  
 Longitude 2150 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: 10/20/93  
 Well work Commenced: 09/13/94  
 Well work Completed: 09/27/94  
 Verbal Plugging  
 Permission granted on:

Rotary  Cable \_\_\_\_\_ Rig \_\_\_\_\_  
 Total Depth (feet) 2263' DTD  
 Fresh water depths (ft) 232'

Salt water depths (ft) 1356'

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	25'	-	175 Sks.
8-5/8	655'	655'	193 Ft. <sup>3</sup>
4-1/2		2238.4'	175 Sks. 226 Ft. <sup>3</sup>

OPEN FLOW DATA

Producing formation 4th Sand Pay zone depth (ft) 2039-2066'  
 Gas: Initial open flow 327 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow 280 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 375 psig (surface pressure) after 24 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.

OCT 20 1994

For: ALAMCO, INC.

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

Formations: 0-648' from Drillers Log Book - 648' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>
0	114	SH & SD
114	313	SH & RR
313	648	SD
648	872	SH & RR
872	911	Lime & SH
911	1152	Big Lime/Injun
1152	1235	SH
1235	1333	Weir
1333	1454	SH
1454	1509	Gantz/50'
1509	2035	SH & SD
2035	2068	4th Sand
2068	TD	SD & SH
	2263	Driller TD
	2257	Log TD

Water, Coal, Gas

Water: 1/4" @ 232'  
1" @ 1356'

Coal: None

Oil: None

Gas Checks:

904'	N/S
1213'	N/S
1275'	N/S
1335'	N/S
1428'	N/S
1521'	N/S
1984'	N/S
2077'	462 MCF
TD	327 MCF

Treatment and Perforations:

Stimulation:

4th Sand (2039-2066') 12 holes

WF-20 w/N2 Assist

40,000# 20/40,

767 BBLs, 99,000 SCF N2

18119

18119

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

Well Operator: ALAMCO, INC. (975) (4) 485

Operator's Well Number A-1974 (LAURITA) 3) Elevation: 1,890'

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

- 5) Proposed Target Formation(s): BALLTOWN/SPEECHLEY
- 6) Proposed Total Depth: 3,000 feet
- 7) Approximate fresh water strata depths: 1" Stream @ 57'
- 8) Approximate salt water depths: NONE
- 9) Approximate coal seam depths: 255'-256'
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_/ No XX
- 11) Proposed Well Work: SEE ATTACHED
- 12) CASING AND TUBING PROGRAM *Drill & Simulate 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						
<del>Intermediate</del>	8-5/8"	J-55	24#	707'	<i>CS.</i> 707'	As req. by 38 CSR 18-11 38 CSR 18-11
Production	4-1/2"	M-75	11.60	2,900'	2,900'	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 *Bank Letter*  Agent  
 TYPE

1) Date: September 1, 1993  
2) Operator's well number A-1974 (LAURITA)  
3) API Well No: 47 - 061 - 1123  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Thomas A. Laurita</u> Address <u>Route 9, Box 86-A</u> <u>Morgantown, WV 26505</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator: Name <u>NONE OF DECLARATION</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration Name <u>Thomas A. Laurita</u> Address <u>Route 9, Box 86-A</u> <u>Morgantown, WV 26505</u></p> <p>Name <u>Reliance Minerals Inc.</u> Address <u>P. O. Box 842</u> <u>Morgantown, WV 26505</u></p> <p>(c) Coal Lessee with Declaration Name <u>NONE OF DECLARATION</u> Address _____</p>
<p>6) Inspector <u>Randal Mick</u> Address <u>111 Blackshere Drive</u> <u>Mannington, WV 26582</u> Telephone (304)- <u>986-3324</u></p>	

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: *Marty Simon*  
 Its: Manager, Land  
 Address P. O. Box 1740  
Clarksburg, WV 26302-1740  
 Telephone 304 623-6671

Subscribed and sworn before me this 29th day of September, 1993

*Debbie M Cox* Notary Public  
 My commission expires December 9, 2002

WELL OPERATOR           ALAMCO, INC.  
OPERATOR WELL NO:     A-1974 Laurita  
FILE NUMBER            47-061- 1123

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11. Proposed Well Work:

Well A-1974 will be drilled to approximately 707' KB. The 8-5/8" casing will be set at approximately 707' KB and then cemented to surface. The well will then be drilled to 2,900' KB and the 4-1/2" casing set at approximately 2,900' KB. The 4-1/2" casing will be cemented to 1,100' KB. The well will then be hydraulically fractured in the Balltown/Speechley Formation.

12. Plan for partial abandonment:

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