

5.45  
0.94

No wells within 2,400'

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

FILE NO. \_\_\_\_\_

DRAWING NO. \_\_\_\_\_

SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1 in 200

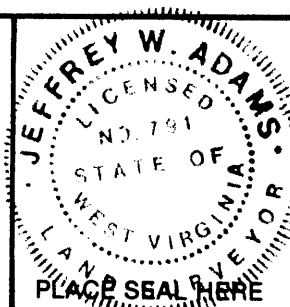
PROVEN SOURCE OF ELEVATION Road intersection

5,500' NE of Location: El. 1957'

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) Jeffrey W. Adams

R.P.E. \_\_\_\_\_ L.L.S. 791



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



DATE January 29, 19 93  
OPERATOR'S WELL NO. A-1923  
API WELL NO. \_\_\_\_\_

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

47 - 061 - 1092  
STATE COUNTY PERMIT

LOCATION: ELEVATION 1736 WATER SHED Baath's Creek  
DISTRICT Clinton 4 COUNTY Monongalia

QUADRANGLE Morgantown South 7112' Morgantown SW  
SURFACE OWNER Dora C. Dalton ACREAGE 68

OIL & GAS ROYALTY OWNER George & Catherine Beall LEASE ACREAGE 68  
LEASE NO. 3115

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 Oriskany ESTIMATED DEPTH 8200

WELL OPERATOR Alanco, Inc. DESIGNATED AGENT Marty Perri  
ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

DEEP WELL

6.6 South Burns Chapel (313)

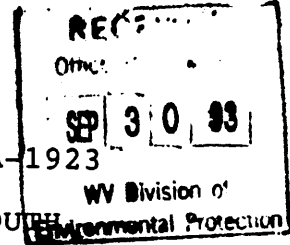
FORM WW-6

0.57-2.00

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work



Farm name: BEALL, GEORGE & DORA ETAL Operator Well No.: A-1923

LOCATION: Elevation: 1736.00      Quadrangle: MORGANTOWN SOUTH

District: CLINTON      County: MONONGALIA  
Latitude: 13500 Feet South of 39 Deg. 32Min. 30 Sec.  
Longitude 4950 Feet West of 79 Deg. 55 Min. 0 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: 02/16/93  
Well work Commenced: 08/05/93  
Well work Completed: 09/13/93  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 7825' Drlg. TD  
Fresh water depths (ft) 27'; 85'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4	35.00'	35.00'	None
8-5/8	1265.00'	1265.00'	335 Sks. 395.3 Ft.
4-1/2		7768.90'	250 Sks. 375 Ft.

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 13'-15'; 85'-88';  
243'-246'

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7392'-75  
Gas: Initial open flow 21 MCF/d Oil: Initial open flow - Bbl/d  
Final open flow 1061 MCF/d Final open flow - Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 3525 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.

Reviewed TM6  
Recorded \_\_\_\_\_

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

OCT 1 1993

Formations: 0-1,182' from Drillers Log Book - 1,182' TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>
0	5	Fill
5	13	SD & SH
13	15	Coal
15	85	DD & SH
85	88	Coal
88	243	SD & SH
243	246	Coal
246	576	SD & SH
576	584	L. Lime
584	591	SD & SH
591	688	B. Lime
688	710	SD, SH & RR
710	835	Big Injun
835	1162	SD & SH
1162	1182	50 Ft.
1182	1515	SD & SH
1515	1549	SD
1549	1680	SD & SH
1680	1738	SD
1738	1880	SD & SH
1880	2472	SD & SH
2472	2499	SD
2499	2684	SH
2684	2698	SD
2698	7267	SH & Silt
7267	7368	Marcellus SH
7368	7385	Onondaga
7385	7572	Huntersville Ch.
7572	7628	Oriskany
7628	7806	Helderberg
	7806	Loggers TD

Water, Coal, Gas

Water:

Hole Damp @ 27'  
1/4" Stream @ 85'

Coal:

13' - 15'  
85' - 88'  
243' - 246'

Gas Checks:

725'	N/S
1910'	N/S
2221'	N/S
2349'	N/S
3004'	N/S
3253'	N/S
3528'	N/S
3960'	N/S
5015'	N/S
5521'	N/S
6026'	N/S
6529'	N/S
6997'	60 MCF/D
7577'	21 MCF/D
7670'	21 MCF/D
7825'	60 MCF/D
Collars	60 MCF/D

DF = 485  
DFT = 475

Perforations:

Perforated w/29 Holes from 7392' - 7534'

Fracture:

09/09/93  
Treated w/1000 gal. 15% HCl and 300 BBL treated water

09/13/93  
Treated w/15,000# 80/100 sand and 60,000# 20/40 Sand in 30# gel system with 5% HCl throughout.

21821

061-1092  
Issued 2/16/93  
Expires 2/16/95

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

- 1) Well Operator: ALAMCO, INC. 010 (975) 4) 484
- 2) Operator's Well Number A-1923 (Beall/Viers) 3) Elevation: 1736'
- 4) Well type: (a) OIL     / or GAS XX/  
(b) If Gas: Production XX/ Underground Storage     /  
Deep XX/ Shallow     /
- 5) Proposed Target Formation(s): Huntersville Chert 463
- 6) Proposed Total Depth: 7750 feet
- 7) Approximate fresh water strata depths: -0-
- 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 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	23#	1,250'	1,250'	As required 38 CSR 18-11
Production	4-1/2"	M-75	11.60#	7,700'	7,700'	As required 38 CSR 38-11
Tubing						
Liners						

PACKERS: Kind NONE  
 Sizes ---  
 Depths Set ---

~~075368~~  
2

For Division of Oil and Gas Use Only

- Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP
  - Plat  WW-9  WW-2B  Bond                       Agent
- TYPE

1) Date: February 2, 1993  
2) Operator's well number  
A-1923 (BEALL/VIERS)  
3) API Well No: 47 - 061 - 1092  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION 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>George &amp; Dora C. Beall</u><br/>Address <u>Route 5, Box 74</u><br/><u>Morgantown, WV 26505</u></p> <p>(b) Name <u>Bethany Dugan Sara J. Viers</u><br/>Address <u>810 Chappell Rd. P. O. Box 430</u><br/><u>Charleston, WV Pineville, WV</u></p> <p>(c) Name <u>Paul Viers, II</u><br/>Address <u>9477 Fondren Rd.</u><br/><u>Houston, TX 77074</u></p> <p>6) Inspector <u>Randal Mick</u><br/>Address <u>111 Blackshere Drive</u><br/><u>Mannington, WV 26582</u><br/>Telephone (304)- <u>987-3324</u></p> | <p>5) (a) Coal Operator:<br/>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration<br/>Name _____<br/>Address <u>SAME AS SURFACE OWNERS</u></p> <p>(c) Coal Lessee with Declaration<br/>Name <u>N/A</u><br/>Address _____</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 18 on the above named parties, by:

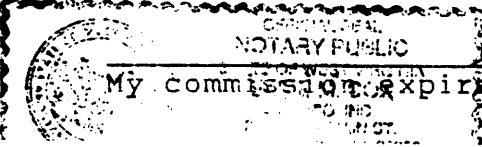
- Personal Service (Affidavit attached)
- XX Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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 200 West Main Street  
Clarksburg, WV 26301  
Telephone 304 623-6671

Subscribed and sworn before me this 2nd day of February, 1993



Relsie M. Cox Notary Public  
My commission expires December 9, 2002

Well Operator: ALAMCO, INC.

Operator Well No.: A-1923 (Beall/Viers)

File Number: 47-061 - 1092

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11.) Proposed well work:

Well A-1923 will be drilled to approximately 1,300' KB. The 8-5/8" casing will be set @ approximately 1,250' KB and then cemented to surface. The well will then be drilled to 7,750' KB and the 4-1/2" casing set at approximately 7,700' KB. The 4-1/2" casing will be cemented to 6,550' KB. The well will then be hydraulically fractured in the Huntersville Chert formation.

12.) Plan for partial abandonment: