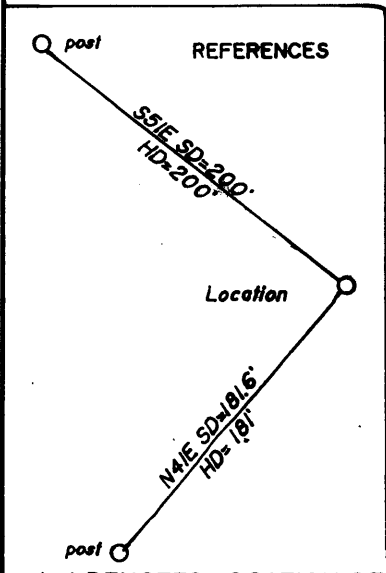
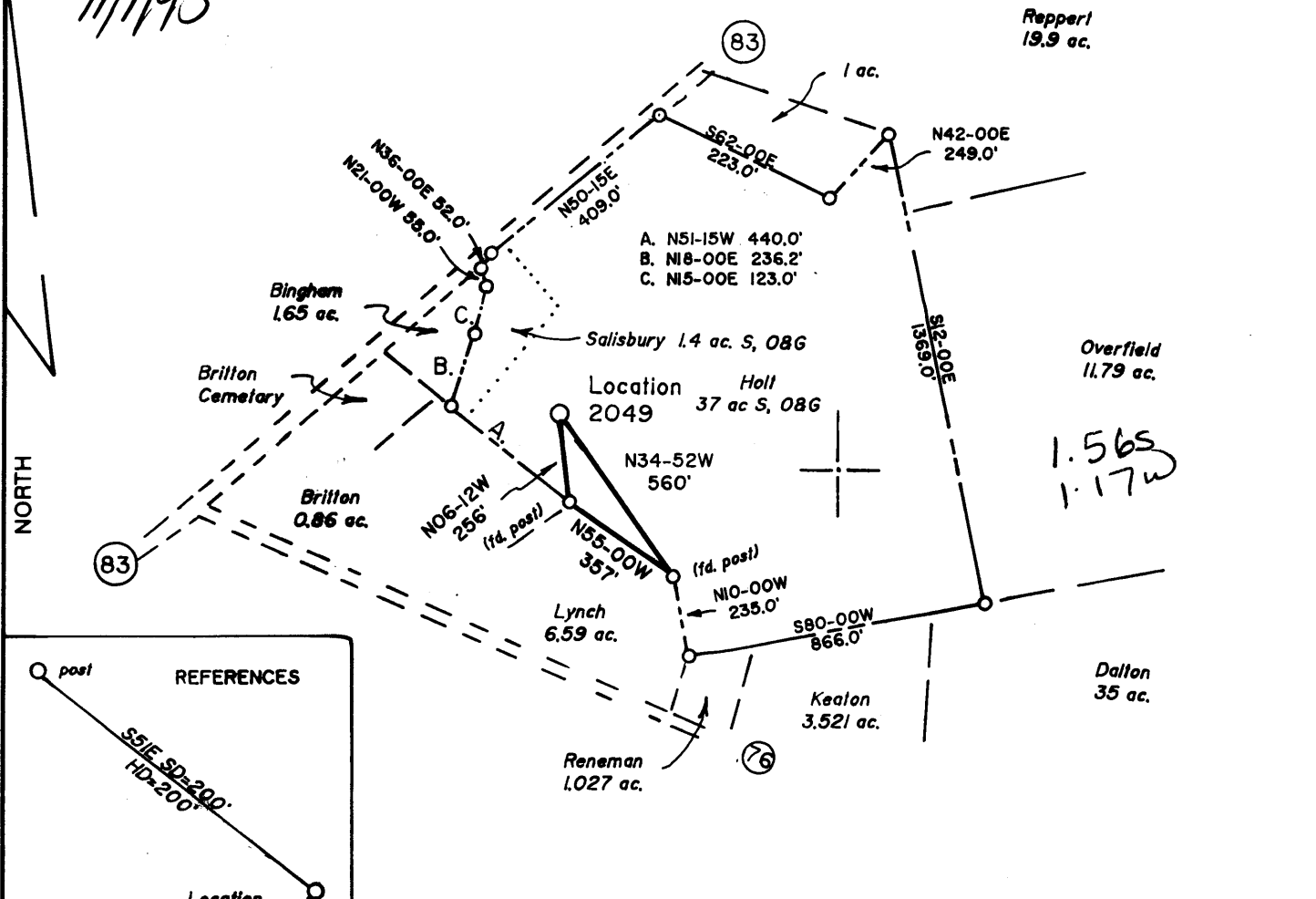


Jamie
11/1/95



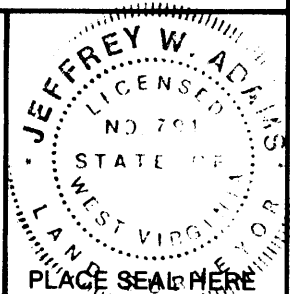
Note:
Well Location is at least 400' from any outside lease boundaries
No wells within 3000' of location.

(+) 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 Road Int. 1800' West of Location; elev. 1893'

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 October 18, 19 95
OPERATOR'S WELL NO. 2049
API WELL NO. 47-061-01217
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1934 WATER SHED Laurel Run
DISTRICT Clinton COUNTY Monongalia
QUADRANGLE Gladesville 7 1/2'

SURFACE OWNER John A.B. Holt ACREAGE 37
OIL & GAS ROYALTY OWNER John A. B. Holt, et al. LEASE ACREAGE 38.4
LEASE NO. 5147 & 5168

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 Huntersville Chert ESTIMATED DEPTH 8,300
WELL OPERATOR Alamco Inc. OIO DESIGNATED AGENT Marti Perri
ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

DEEP WELL

6-6 313

FORM WW-6

LONGITUDE 79-55-00W

COUNTY NAME

PERMIT

WR-35 RECEIVED WV Division of Environmental Protection

01-Nov-95 API # 47- 61-01217

FEB 21 1996

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

Permitting Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HOLT, JOHN A. B. Operator Well No.: 2049

LOCATION: Elevation: 1,934.00 Quadrangle: GLADESVILLE

District: CLINTON County: MONONGALIA
Latitude: 8275 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 6300 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: 11/01/95
Well work Commenced: 01/15/96
Well work Completed: 02/14/96
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 8050
Fresh water depths (ft) 40,203,620
Salt water depths (ft) -

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 55 - 58

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include 16", 11-3/4", 8-5/8", and 4-1/2" sizes.

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7726'-7853'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2090 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 3160 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: 2/14/96

FEB 25 1996

Formations: 0-758' from Drillers Log Book - 758' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>	
0	5	Fill	<u>Water:</u> 1/4" @ 40'	
5	55	SD & SH	1" @ 203'	
55	58	Coal	Damp @ 620'	
58	230	SD & SH		
230	362	SD	<u>Coal:</u> 55 - 58 Ft.	
362	758	SD & SH		
758	773	Little Lime	<u>Oil:</u> None	
773	797	SD & SH		
797	878	SD	<u>Gas Checks:</u>	
878	920	Keener	951'	N/S
920	973	Big Injun	2275'	15 MCF/D
973	1101	SD & SH	4916'	N/S
1101	1201	Weir	6403'	N/S
1201	1323	SD & SH	8050'	N/S
1323	1335	Gantz		
1335	1353	SD & SH		
1353	1370	50'		
1643	1876	Gordon		
1876	1921	4th Sand	<u>Treatment and Perforations:</u>	
1921	1958	SD & SH	Stimulation:	
1958	1970	5th Sand	Perforations: (7726'-7853')	
1970	2001	SD & SH	25 Holes	
2001	2036	Bayard	Frac: WF-30 w/15,000# 80/100 Sand	
2036	2250	SD & SH	and 60,000# 20/40 Sand in	
2250	2675	SH	1250 BBLs. Fluid w/5% Hcl through-	
2675	2686	Speechley	out.	
2686	2920	SH		
2920	2937	Balltown		
2937	7311	SH		
7311	7400	Tully		
7400	7616	SH		
7616	7709	Marcellus		
7709	7723	Onondaga		
7723	7876	Huntersville		
7876	7901	Needmore		
7901	7914	Basal L.S.		
7914	7968	Oriskany		
7968	8050	Helderberg		
	8058	Drlg. TD		
	8050	Log TD		

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Environmental Protection

001 1985

061-1217 Issued 11/01/95
Expires 11/01/97

FORM WW-2B

Permitting
Office of Oil & Gas

Page 3 of 10

21271

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

Well Operator: ALAMCO, INC. ⁰¹⁰ 975 (4) 368

Operator's Well Number 2049 3) Elevation: 1,934

type: (a) OIL ___/ or GAS XX/
(b) If Gas: Production XX / Underground Storage ___/
Deep XX / Shallow ___/ ⁴⁶³

5) Proposed Target Formation(s): HUNTERSVILLE CHERT

5) Proposed Total Depth: 8,300 feet

7) Approximate fresh water strata depths: 20' and 140'

3) Approximate salt water depths: 1,200' and 2,100'

9) Approximate coal seam depths: 60', 150' and 560'

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

TYPE	SIZE	GRADE	WEIGHT PER FT	FOR DRILLING	LEFT IN WELL	Fill-Up (Cu. Ft.)
CONDUCTOR	16"	LS	32#	40'	-0-	NONE
FRESH WATER						
COAL						
SURFACE CSG	11-3/4"	J-55	32#	300'	300'	As required by 38 CSR 18-11-3 38 CSR 18-11-2, 2
INTERMEDIATE	8-5/8"	J-55	24#	2,260'	2,260'	As required by 38 CSR 18-11-3 38 CSR 18-11-2, 2
PRODUCTION	4-1/2"	M-75	11.60#	8,135'	8,135'	As required by 38 CSR 38-11-1

PACKERS: Kind NONE
Sizes _____
Depths Set _____

Blumett

090678
44

For Division of Oil and Gas Use Only

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

REC'D
ENVIRONMENTAL
OCT 2 1995
Permitting
Office of Oil & Gas

- 1) Date: September 20, 1995
- 2) Operator's well number
2049
- 3) API Well No: 47 - 061 - 1217
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:
 - (a) Name John A. B. Holt
Address Route 9, Box 206
Morgantown, WV 16505
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Randal Mick
Address 111 Blackshere Drive
Mannington, WV 26582
Telephone (304)- 986-3324

- 5) (a) Coal Operator:
Name NO DECLARATION OF RECORD
Address _____
- (b) Coal Owner(s) with Declaration
Name Shuman, Inc.
Address P. O. Box 842
Morgantown, WV
Name Salisbury Heirs
Address _____
- (c) Coal Lessee with Declaration
Name NO DECLARATION OF RECORD
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

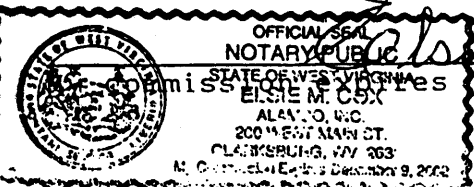
_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
 I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 10 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 Kern
 Its: _____ Manager, Land
 Address _____ P. O. Box 1740
 _____ Clarksburg, WV 26301
 Telephone _____ 304 623-6671

Subscribed and sworn before me this 20th day of September, 1995



Elsie M. Cox

 Notary Public
 December 9, 2002

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Division of
Environmental Protection

007 2 1995

061-1217

Issued 11/20/95

Expires 11/20/97

Page 3 of 10

FORM WW-2B

Permitting
Office of Oil & Gas

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

21271

Well Operator: ALAMCO, INC. ⁰¹⁰ 975 (4) 368
Operator's Well Number 2049 3) Elevation: 1,934

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(b) If Gas: Production XX / Underground Storage /
Deep XX / Shallow 463

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- 5) Proposed Total Depth: 8,300 feet
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- 8) Approximate salt water depths: 1,200' and 2,100'
- 9) Approximate coal seam depths: 60', 150' and 560'
- 10) Does land contain coal seams tributary to active mine? Yes / No XX
- 11) Proposed Well Work: SEE ATTACHED
- 12) CASING AND TUBING PROGRAM

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	SIZE	GRADE	WEIGHT PER FT	FOR DRILLING	LEFT IN WELL	Fill-Up (Cu. Ft.)
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PRODUCTION	4-1/2"	M-75	11.60#	8,135'	8,135'	As required by 38 CSR 38-11-1

PACKERS: Kind NONE
Sizes
Depths Set

38 CSR 18

090678
44

For Division of Oil and Gas Use Only

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

Plat WW-9 WW-2B Bond Blanket Agent

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Page 1 of 10
Form WW2-A
(09/87)
File Copy

Permitting
Office of Oil & Gas

1) Date: September 20, 1995
2) Operator's well number
2049
3) API Well No: 47 - 061 - 1217
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:
(a) Name John A. B. Holt
Address Route 9, Box 206
Morgantown, WV 16505
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Randal Mick
Address 111 Blackshere Drive
Mannington, WV 26582
Telephone (304)- 986-3324

5) (a) Coal Operator:
Name NO DECLARATION OF RECORD
Address _____
(b) Coal Owner(s) with Declaration
Name Shuman, Inc.
Address P. O. Box 842
Morgantown, WV
Name Salisbury Heirs
Address _____
(c) Coal Lessee with Declaration
Name NO DECLARATION OF RECORD
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

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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 10 on the above named parties, by:
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Well Operator, ALAMCO, INC.
By: Marty Dean
Its: Manager, Land
Address P. O. Box 1740
Clarksburg, WV 26301
Telephone 304 623-6671

Subscribed and sworn before me this 20th day of September, 1995



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
E. M. COX
ALAMCO, INC.
200 WEST MAIN ST.
CLARKSBURG, WV 26303

E. M. Cox Notary Public
December 9, 2002

SEP 25 1995

ATTACHMENT TO:
FORM WW-2B

Permitting
Office of Oil & Gas

Page 4 of 10

WELL OPERATOR ALAMCO, INC.
OPERATOR WELL NO: 2049
FILE NUMBER 47-061- 01217

11. Proposed Well Work:

Well 2049 will be drilled to approximately 2,260' KB. The 8-5/8" casing will be set at approximately 2,260' KB and then cemented to surface. The well will then be drilled to 8,135' KB and the 4-1/2" casing set at approximately 8,135' KB. The 4-1/2" casing will be cemented to 6,800' KB. The well will then be hydraulically fractured in the Huntersville Chert Formation.

12. Plan for partial abandonment:



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

October 27, 1995

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

Re: Application for Permit #47-061-01217 to drill deep well.

COMPANY: ALAMCO, INC.

FARM: John A. B. Holt Et al #2049

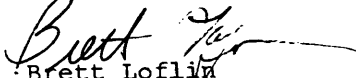
COUNTY: Monongalia DISTRICT: Clinton QUAD: Gladesville

The application of the above company is Approved for Hunterville/Chert.
(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 780 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,


Brett Loflin
Engineer III

*3,400 feet to 47-061-01192
5,400 feet to 47-061-01182

5,000 feet to 47-061-01214
5,200 feet to 47-061-00365