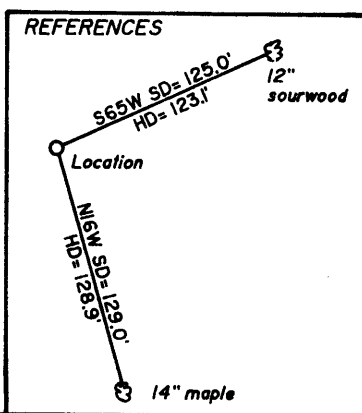
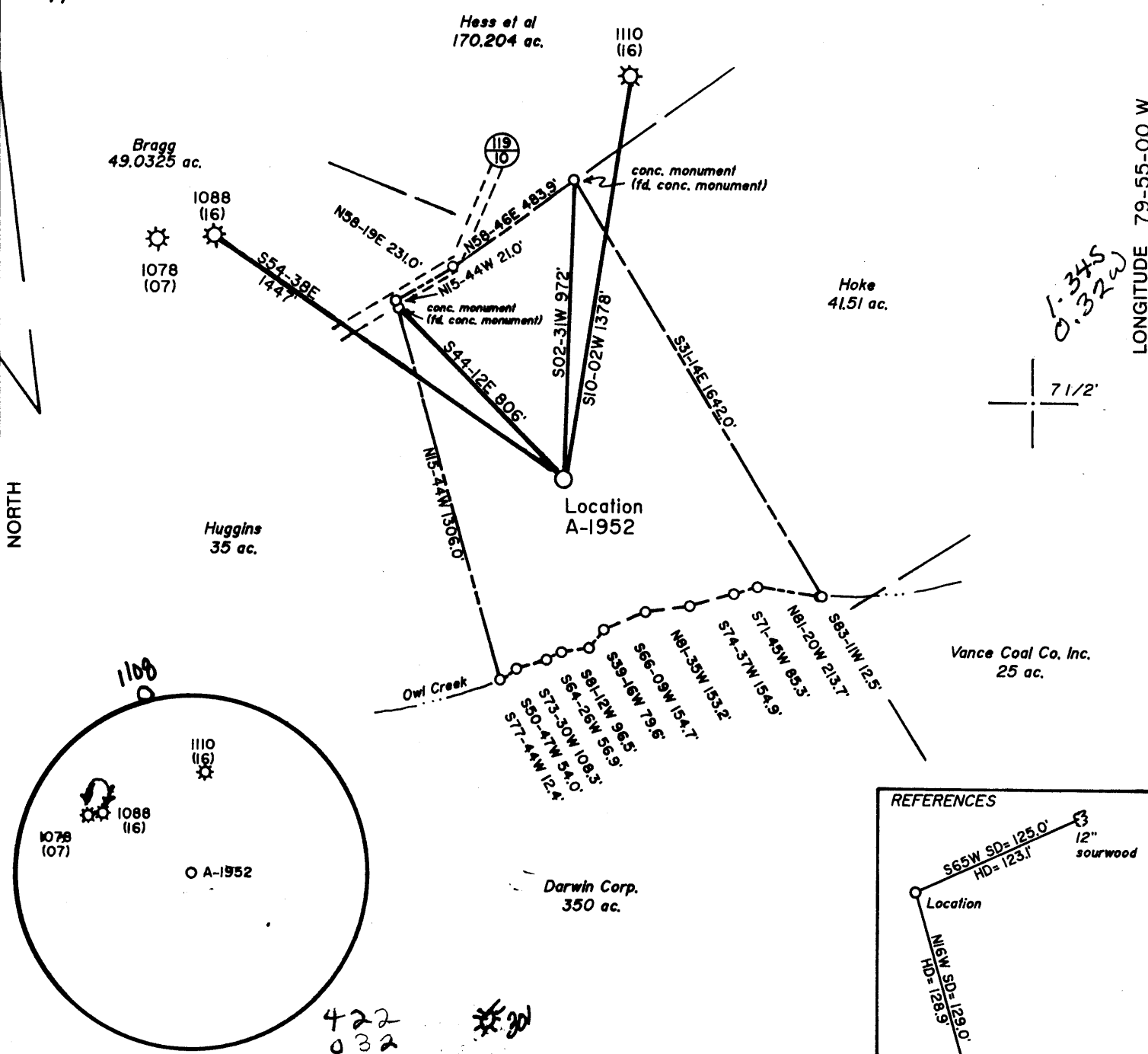


*Jamie*  
9/6/93

LATITUDE 39-32-30 N

PAGE 5 OF 9

LONGITUDE 79-55-67 W



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

FILE NO. 630  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road junction 2.250'  
North of Location: elev. 1873'

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



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

DATE June 21, 19 93  
 OPERATOR'S WELL NO. A-1952  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1848 WATERSHED Owl Creek  
 DISTRICT Clinton COUNTY Monongalia  
 QUADRANGLE Morgantown South 7 1/2' SW

SURFACE OWNER Terry D. Stubna & Debra Stubna ACREAGE 29.125  
 OIL & GAS ROYALTY OWNER Terry D. Stubna & Debra Stubna LEASE ACREAGE 30  
 LEASE NO. 3116

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) \_\_\_\_\_

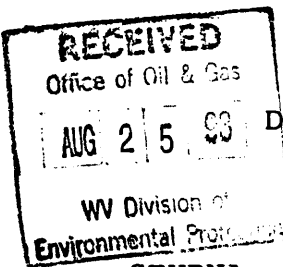
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Fourth Sand ESTIMATED DEPTH 2300  
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Marty Perri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

JUL 9 1993

FORM WW-6

COUNTY NAME  
 PERMIT

6-6 South Burns Chase (313)



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

Well Operator's Report of Well Work

Farm name: STUBNA, TERRY & DEBRA Operator Well No.: STUBNA A-1952

LOCATION: Elevation: 1,848.00 Quadrangle: .....

District: CLINTON County: MONONGALIA  
Latitude: 7000 Feet South of 39 Deg. 32Min. 30 Sec.  
Longitude 1650 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: 07/06/93  
Well work Commenced: 07/16/93  
Well work Completed: 07/29/93  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 2,911' Drlg.  
Fresh water depths (ft) 60'  
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	697'	697'	200 sks 236 Ft.
4-1/2		2734.60'	300 sks 387 Ft.
2-3/8		2517'	

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 116'

OPEN FLOW DATA

Producing formation Speechley Pay zone depth (ft) 2520-2610  
Gas: Initial open flow 67\* MCF/d Oil: Initial open flow - Bbl/d  
Final open flow 622\* MCF/d Final open flow - Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 420\* psig (surface pressure) after 24 Hours

Second producing formation 4th; Bayard Sands Pay zone depth (ft) 1720-1931  
Gas: Initial open flow 47 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  
\*Commingled

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 TMG  
Reviewed \_\_\_\_\_

By: [Signature]  
Date: AUG 26 1993

Formations: 0-632' from Drillers Log Book - 632' to TD Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>
0	5	SH	<u>Water:</u>
5	116	SD	Damp 60'
116	118	Coal	<u>Coal:</u> 116'
118	377	SD & SH	<u>Oil:</u> None
377	412	RR	<u>Gas Checks:</u>
412	463	Sand	1197' N/S
463	580	SH & RR	1852' N/S
580	632	SH & Lime	1946' 47 MCF/D
632	729	Big Lime	2289' 47 MCF/D
729	842	Big Injun	2535' 49 MCF/D
842	942	SH	2785' 67 MCF/D
942	1042	SD	2911' 26 MCF/D
1042	1714	SD & SH	@ Collars 26 MCF/D
1714	1772	4th Sand	<u>Perforations:</u>
1772	1902	SD & SH	07/29/93 (2520 - 2610)
1902	1936	Bayard	15 Holes
1936	2528	SH	1st Stage: Speechley WF20
2528	2611	Speechley	w/N2
2611	2704	SH	40,000#20/40
2704	2734	Balltown	93,000 SCF N2, 685 BBLs
2734	2912	SH	07/29/93 (1720 - 1931)
	2912	TD Log	15 Holes
			2nd Stage: 4th, 5th & Bayard
			WF 20 w/N2
			40,000# 20/40,
			100,000 N2, 682 BBLs

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Division of Environmental Protection

JUL 0 2 1993

Permitting Office of Oil & Gas

FORM WW-2B

061-1112  
Issued 07/06/93  
Expires 07/06/95

Page 3 of 9

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

- 1) Well Operator: ALAMCO, INC. (975) (4) 484
- 2) Operator's Well Number A-1952 (STUBNA) 3) Elevation: 1848'
- 4) Well type: (a) OIL \_\_\_/ or GAS XX /  
(b) If Gas: Production XX / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow XX /
- 5) Proposed Target Formation(s): Fourth Sand 21
- 6) Proposed Total Depth: 2300 feet
- 7) Approximate fresh water strata depths: 57'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 70' 7600' 70 to 76'
- 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	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	FOOTAGE INTERVALS	CEMENT
Conductor	11-3/4"	LS	32#	40'	40'	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	24#	730'	730'	As required by 38 CSR 18-11-22
Production	4-1/2"	M-75	11.60	2300'	2300'	As required by 38 CSR 38-11-1
Tubing						
Liners						

ACKERS: Kind NONE  
 Sizes ---  
 Depths Set ---

077427  
13

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

RECEIVED

WV Division of  
Environmental Protection

JUL 0 2 93

Permitting  
Office of Oil & Gas

- 1) Date: June 25, 1993
- 2) Operator's well number  
A-1952 (STUBNA)
- 3) API Well No: 47 - 061 - 01112  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
  - (a) Name Terry & Debra Stubna  
Address Route 9, Box 90-G  
Morgantown, WV 26505
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name No Declaration of Record  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name No Declaration of Record  
Address \_\_\_\_\_
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name No Declaration of Record  
Address \_\_\_\_\_
- 6) Inspector Randal Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304) - \_\_\_\_\_

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

xx Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

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:

- \_\_\_\_\_ 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 Besu  
 Its: Manager, Land  
 Address P. O. Box 1740  
Clarksburg, WV 26301  
 Telephone 304 623-6671

Subscribed and sworn before me this 24<sup>th</sup> day of June, 1993

Elvie M. Cox

Notary Public

My commission expires December 9, 2002

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Division of  
Environmental Protection

ATTACHMENT TO:  
FORM WW-2B

JUL 0 2 1983

Page 4 of 9

Permitting  
State of Oil & Gas

WELL OPERATOR           ALAMCO, INC.  
OPERATOR WELL NO:     A-1952 (STUBNA)  
FILE NUMBER            47-061- 1112

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11. Proposed Well Work:

Well A-1952 will be drilled to approximately 2,300' KB. The 8-5/8" casing will be set at approximately 730' KB and then cemented to surface. The well will then be drilled to 2,300' KB and the 4-1/2" casing set at approximately 2,300' KB. The 4-1/2" casing will be cemented to 1,000' KB. The well will then be hydraulically fractured in the Fourth Sand Formation.

*OKS.*

12. Plan for partial abandonment: