

*Jamie*  
*4/19/93*

Gilmore  
1.35 ac.

Pyles  
0.245 ac.

Fanok  
6.55 ac.

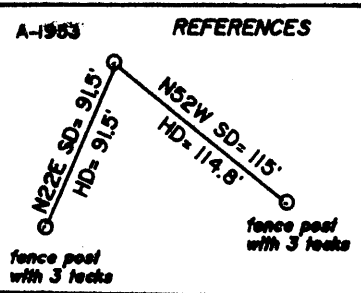
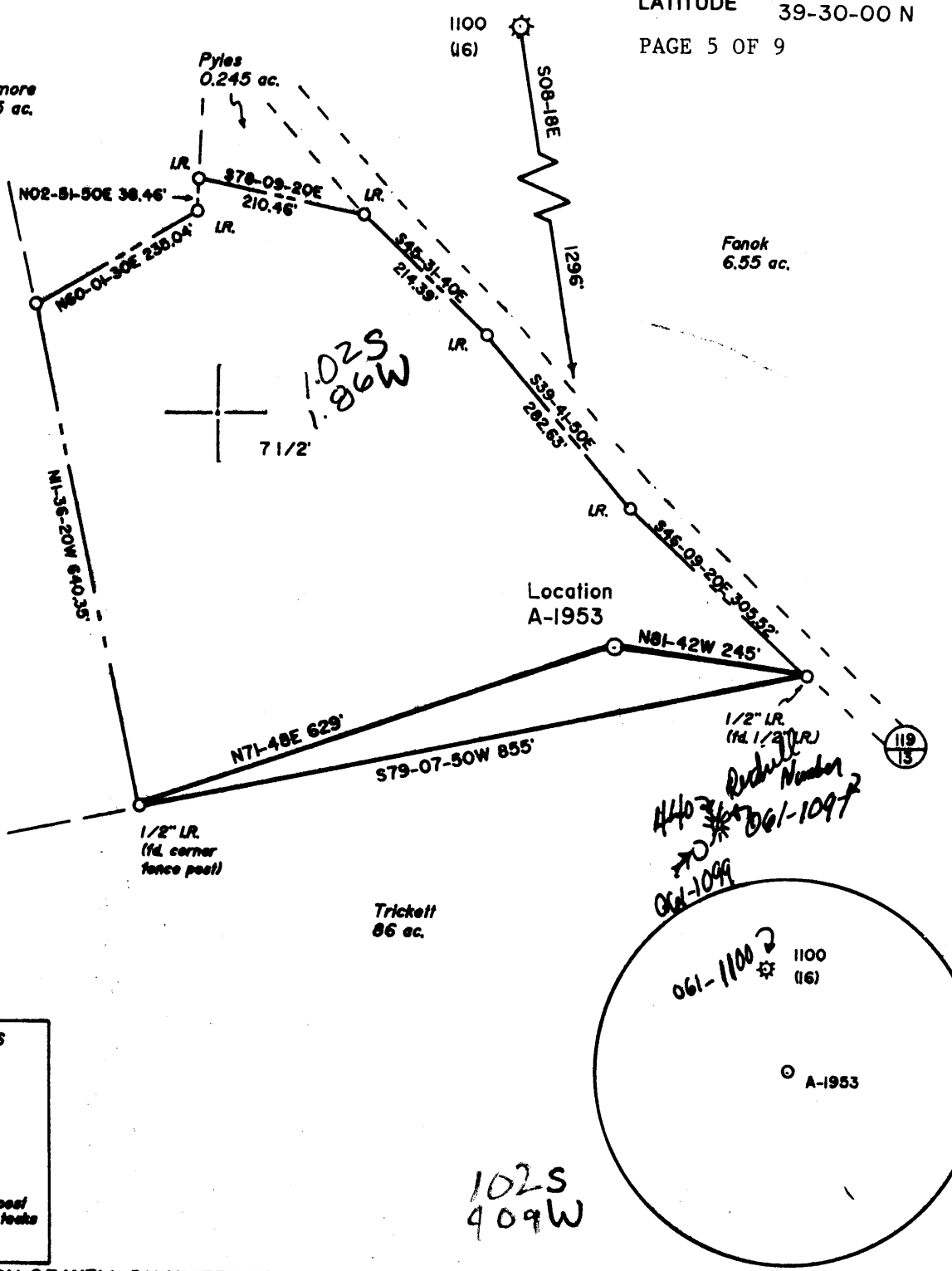
Trickett  
86 ac.

Heritage Woods  
Addition

Location  
A-1953

NORTH

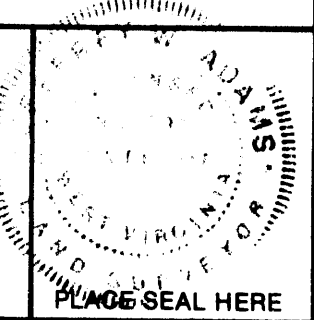
LONGITUDE 79-52-30 W



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 200'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road intersection 4000 NW of Location: elev. 1988'

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) *Tiffany R. Adams*  
 R.P.E. \_\_\_\_\_ L.L.S. 791



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

DATE April 17, 19 93  
 OPERATOR'S WELL NO. A-1953  
 API WELL NO. 47-061-01103  
 STATE 47 COUNTY 061 PERMIT 01103

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

LOCATION: ELEVATION 1967 WATER SHED Brains Creek  
 DISTRICT Clinton 4 COUNTY Monongalia  
 QUADRANGLE Gladesville 7 1/2' Mountain NC

SURFACE OWNER Albert S. Danko ACREAGE 10.025  
 OIL & GAS ROYALTY OWNER Gary E. Dixon et ux LEASE ACREAGE 19  
 LEASE NO. 4643

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 4th Sand ESTIMATED DEPTH 2000  
 WELL OPERATOR Alamco, Inc. 010 DESIGNATED AGENT Marty Perri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

FORM WW-6

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: DANKO, ALBERT & CRYSTAL Operator Well No.: A-1953

LOCATION: Elevation: 1,967.00 Quadrangle: GLADESVILLE

District: CLINTON County: MONONGALIA  
Latitude: 5400 Feet South of 39 Deg. 30Min. Sec.  
Longitude 9850 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: RANDAL MICK  
Permit Issued: 04/19/93  
Well work Commenced: 04/19/93  
Well work Completed: 04/28/93

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 1938' Drlg.  
Fresh water depths (ft) 74'-3/4" str.

Salt water depths (ft) None

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	30'		
8-5/8	694.55'	694.55'	218 cu. ft.
4-1/2		1899.45'	258 cu. ft.

OPEN FLOW DATA

Producing formation 4th Sand Pay zone depth (ft) 1752-1770  
Gas: Initial open flow 47 MCF/d Oil: Initial open flow -- Bbl/d  
Final open flow No test MCF/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests No test Hours  
Static rock Pressure No test 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 TMG  
Recorded \_\_\_\_\_

For: ALAMCO, INC.

By: Richard R. Hoffman  
Date: 5/20/93 Richard R. Hoffman

Formations: 0 - 701' Driller Records - 701' from Gamma Ray Log.

<u>Top</u>	<u>Bottom</u>	
0	40	Fill
40	69	SD/SH
69	125	Sand
125	175	Shale
175	265	SD
265	312	SH
312	383	SD
383	610	SH Red & Grey
610	621	L. Lime
621	650	SH
650	744	Lime
744	836	Injun
836	888	Squaw
888	952	Weir
952	1062	Weir
1062	1178	SH
1178	1188	Gante
1188	1208	SH
1208	1232	50'
1232	1261	SH
1261	1400	Sand
1400	1612	SH
1612	1750	Sand & Shale
1750	1772	4th Sand
1772	1892	SH & SD
	1941	Logger TD

3/4" Str. @ 74'

**GAS CHECKS:**

837 - N/S  
 930 - N/S  
 1327 - N/S  
 1690 - N/S  
 1784 - N/S  
 1815 - N/S  
 1938 - 20/10 1" H<sub>2</sub>O 47 MCF/D

**Perforations:**  
 4th Sand (1752-1770) 10  
 Holes

**Fracture:**  
 Water Frac 20# Gel Sys.  
 40,000# 20/40

47061-01103  
Issued 4/19/93  
Expires 4/19/95  
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) 368
- 2) Operator's Well Number A-1953 (Lanko/Dixon) 3) Elevation: 1967
- Well type: (a) OIL    / or GAS XX /  
 (b) If Gas: Production XX / Underground Storage    /  
 Deep    / Shallow XX /
- Proposed Target Formation(s): Fourth Sand 421
- Proposed Total Depth: 1,950' feet,
- Approximate fresh water strata depths: ~~NONE~~ 68', 333'
- Approximate salt water depths: ~~NONE~~
- Approximate coal seam depths: 28'-36' ~~NONE~~ 302'-307'
- 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*

17097

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						
Intermediate	8-5/8"	J55	23#	703'	703'	As req by 38 CSR 18-11-1
Production	4-1/2"	J55	10.5 #	1,950'	1,950'	As req by 38 CSR 38-11-1
Tubing						
Liners						

PACKERS: Kind NONE  
Sizes --  
Depths Set --

1274/1

For Division of Oil and Gas Use Only

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

Plat  WW-9  WW-2B  Bond Blanket CD  Agent

TYPE Other

1) Date: April 16, 1993  
2) Operator's well number A-1953 DANKO/DIXON  
3) API Well No: 47 - 061 - 1103  
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 Albert S. & Crystal L. Danko  
Address Route 9, Box 157-B  
Morgantown, WV 26505  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Randal Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304)-987-3324

5) (a) Coal Operator:  
Name None of Declaration  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Albert S. & Crystal L. Danko  
Address Route 9, Box 157-B  
Morgantown, WV 26505  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name None of Declaration  
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  
\_\_\_\_\_ 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)  
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 P. O. Box 1740  
Clarksburg, WV 26302-1740  
Telephone 304 623-6671

Subscribed and sworn before me this 16th day of April, 1993

[Signature] Notary Public  
My commission expires December 9, 2002