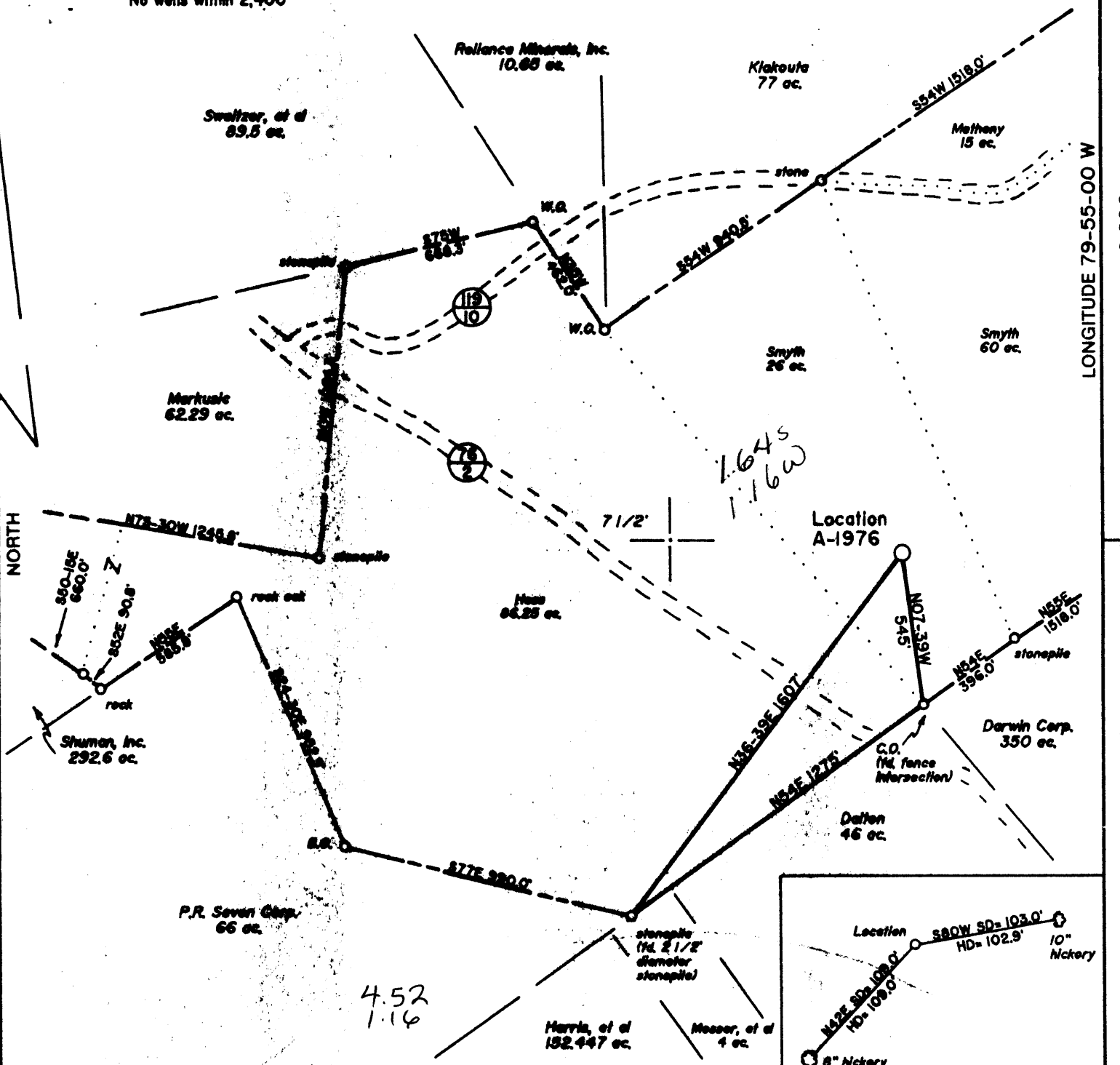


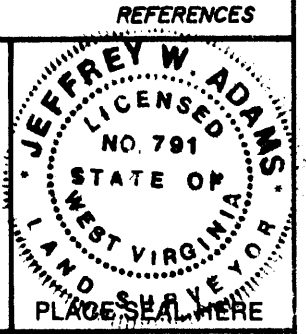
No wells within 2,400'



LONGITUDE 79-55-00 W
009' 8"

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road Junction 650'
South of Location: elev 1588'

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 August 18, 19 93
 OPERATOR'S WELL NO. A-1976
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1657 WATER SHED Owl Creek
 DISTRICT Clinton COUNTY Monongalia
 QUADRANGLE Morgantown South 7 1/2' 415 SW

SURFACE OWNER Earl F. Smyth ACREAGE 86
 OIL & GAS ROYALTY OWNER Earl F. Smyth LEASE ACREAGE 86
 LEASE NO. 4654

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 Oriskany ESTIMATED DEPTH 8000
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Marty Ferr!
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740
DEEP WELL 6-6 313

OCT 20 1993

FORM WW-6

COUNTY NAME PERMIT

WV Division of Environmental Protection

28-Oct-93
API # 47- 61-01124

JAN 20 94

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: SMYTH, EARL F. Operator Well No.: SMYTH A-1976

LOCATION: Elevation: 1,657.00 Quadrangle: MORGANTOWN SOUTH

District: CLINTON County: MONONGALIA
Latitude: 8600 Feet South of 39 Deg. 32Min. 30 Sec.
Longitude 6150 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: 10/28/93
Well work Commenced: 11/09/93
Well work Completed: 12/20/93
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig _____
Total Depth (feet) 8021'
Fresh water depths (ft) 158, 355
Salt water depths (ft) 1450

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 157, 300, 311

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
1-3/4	35'	-	
8-5/8	1274'	1274'	335 Sk. 3 395 Ft.
4-1/2		8004'	250 Sk. 3 398 Ft.

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7596-7721
Gas: Initial open flow Odor 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 - Hours
Static rock Pressure 2100 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.

For: ALAMCO, INC.

By: Richard R. Hoffman
Date: _____

Formations: 0-820' from Drillers Log Book - 820' to TD from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>	
0	30	Clay	<u>Water:</u> 158; 355; Damp @ 1450'	
30	157	SD & SH		
157	159	Coal	<u>Coal:</u> 157; 300; 311	
159	300	SD & SH		
300	304	Coal	<u>Oil:</u> None	
304	311	SH		
311	313	Coal	<u>Gas Checks:</u>	
313	565	SD & SH		
565	636	SD	2491'	N/S
636	820	SD & SH & L	2741'	N/S
820	1030	Big Lime/Injun	2925'	N/S
1030	1134	SH	3520'	N/S
1134	2128	SD & SH	4020'	N/S
2128	7176	SH	4518'	N/S
7176	7280	Tully	7232'	N/S
7280	7470	SH	7482'	N/S
7470	7580	Marcellus	7575'	N/S
7580	7592	Onondaga	7732'	N/S
7592	7774	Huntersville Ch.	7795'	N/S
7774	8042	SD & Lime	7889'	Odor
	8042	Log TD	8021'	Odor
	8021	Drlg. TD		

Treatment and Perforations:

Stimulation: 12/20/93
Huntersville Chert

Perf: (7606-7731) 28 holes

Frac: 30# gel system with 5%
HCl throughout, 15,000# 80/100;
57,500# 20/40

Tot. FL: 1152 Bbls.

18284

Permitting
Office of Oil & Gas

061-1124

Issued 10/28/93

Expires 10/28/95

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

18084

Well Operator: ALAMCO, INC.⁰¹⁰ (975) (4) 485

Operator's Well Number A-1976 3) Elevation: 1657

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

Proposed Target Formation(s): Oriskany 475

Proposed Total Depth: 8000 feet

Approximate fresh water strata depths: 1/2" Stream @ 75'

Approximate salt water depths: NONE

Approximate coal seam depths: NO COAL REPORTED

Does land contain coal seams tributary to active mine? Yes ___/ No XX /

Proposed Well Work: SEE ATTACHED

CASING AND TUBING PROGRAM

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"	J-55	24#	1,250'	1,250'	As required by 38 CSR 18-11-22
Production	4-1/2"	M-75	11.60	8,000	8,000	As required by 38 CSR 38-11-1
Tubing						
Liners						

ACKERS: 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 _____ Agent
TYPE

077932
JA

1) Date: 08/26/1993
2) Operator's well number
A-1976 (Smyth Unit)
3) API Well No: 47 - 061 - 1124
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 Earl F. Smyth
Address 11160 46th Place North
West Palm Beach, FL 33411
(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 Earl F. Smyth
Address 128 Columbus
Westover, WV 26505
Name Sara M. Sweitzer
Address 1052 Bellaire Avenue
Pittsburgh, PA 15226
(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 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: *Mark*
Its: Manager, Land
Address P. O. Box 1740
Clarksburg, WV 26301
Telephone (304) 623-6671

Subscribed and sworn before me this 26th day of August, 1993

Rhonda Brown Goss (commissioned as Rhonda Brown) Notary Public
My commission expires July 25, 1995

ATTACHMENT TO:
FORM WW-2B

WELL OPERATOR ALAMCO, INC.
OPERATOR WELL NO: A-1976 (SMYTH)
FILE NUMBER 47-061- _____

11. Proposed Well Work:

Well A-1976 will be drilled to approximately 1,250' KB. The 8-5/8" casing will be set at approxiamtely 1,250' KB and then cemented to surface. The well will then be drilled to 8,000' KB and the 4-1/2" casing set at approximately 8,000' KB. The 4-1/2" casing will be cemented to 6,400' KB. The well will then be hydraulically fractured in the Huntersville Chert Formation.

12. Plan for partial abandonment: