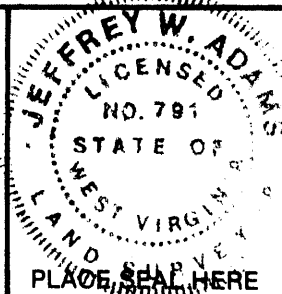


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road junction 1600' NW 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 W. Adams
 R.P.E. _____ L.L.S. 791



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

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

LOCATION: ELEVATION 1871 WATER SHED Coburn Creek
 DISTRICT Clinton 4 COUNTY Monongalia
 QUADRANGLE Morgantown South 7 1/2' SW

SURFACE OWNER Rebecca J. Pawlak ACREAGE 33.761
 OIL & GAS ROYALTY OWNER Rebecca J. & Nicholas A. Pawlak LEASE ACREAGE 39.982
 LEASE NO. 4625

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 8300
 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

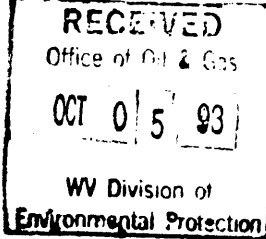
DATE May 21, 19 93
 OPERATOR'S WELL NO. A-1921
 API WELL NO. 47-061-1111
 STATE COUNTY PERMIT

JUN 18 1993

DEEP WELL 6-6 South Burns Chapel (313)

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: PAWLAK, REBECCA J. Operator Well No.: A-1921

LOCATION: Elevation: 1,871.00 Quadrangle: MORGANTOWN SOUTH

District: CLINTON County: MONONGALIA
Latitude: 5150 Feet South of 39 Deg. 32Min. 30 Sec.
Longitude 100 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: 06/15/93
Well work Commenced: 07/12/93
Well work Completed: 09/23/93

Verbal Plugging
Permission granted on: _____

Rotary X Cable _____ Rig

Total Depth (feet) 7857' Drlg.

Fresh water depths (ft) 180', 490'

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	40	40	-
8-5/8	1259	1259	389.4 Ft.
4-1/2*	7833.25'	7833.25	1st=398 Ft 2nd=387 Ft

*4-1/2 Csg. cemented in two stages.

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7494'-762
Gas: Initial open flow 0 MCF/d Oil: Initial open flow _____ Bbl/
Final open flow 2,210 MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests 4 Hour
Static rock Pressure 2550 psig (surface pressure) after 24 Hour

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
Final open flow _____ MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ Hour
Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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 TMB
Recorded _____

For: ALAMCO, INC.

By: [Signature]
Date: [Signature] Richard R. Hoffman

OCT 27 1993

Formations: 0-1695' from Drillers Log Book - 1695' to 7868' from Gamma Ray Log

<u>Top</u>	<u>Bottom</u>	<u>Type</u>	<u>Water, Coal, Gas</u>	
0	90	Sand	<u>Water:</u>	
90	320	SD & SH	180' Damp, 490' 1/2" Str.	
320	390	RR & SH		
390	545	SD & SH		
545	563	Lime	<u>Coal: None</u>	
563	571	SH	<u>Oil: None</u>	
571	690	Big Lime		
690	825	Big Injun	<u>Gas Checks:</u>	
825	1025	SD & SH	1691'	36 MCF/D
1025	1177	Gantz/50'	1722'	189 MCF/D
1177	1695	RR, SD & SH	3029'	189 MCF/D
1695	1732	4th Sand	5015'	133 MCF/D
1732	2484	SH & SD	5513'	189 MCF/D
2484	2507	Speechley	6961'	179 MCF/D
2507	2676	SH & SD	7503'	169 MCF/D
2676	2706	Balltown	7660'	169 MCF/D
2706	7080	SH & Silt	7857'	179 MCF/D
7080	7180	Tully Lime		
7180	7372	SH	<u>Perforations:</u>	
7372	7472	Marcellus SH	Perforated with 28 Holes from	
7472	7488	Onondaga Lime	7494' - 7622'	
7488	7680	Hunter. Chert	<u>Fracture:</u>	
7680	7720	Oriskany	09/21/93:	
7720	7868	Helderberg Lime	Treated with 1,500 gal. 15% HCl and	
	7868	TD Log	300 BBL treated water.	
			09/23/93:	
			Treated with 15,000# 80/100 Sand and	
			60,000# 20/40 Sand in 30# gel system	
			with 5% HCl throughout.	

DF-485
DFT-475

LchLI

RECEIVED

WV Division of Environmental Protection

JUN 14 83

FORM WW-2B

Permitting Division of Oil & Gas

061-1111

Issued 06/15/93

Expires 06/15/95

Page 3 of 11

17427

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

Well Operator: ALAMCO, INC. (975) 484

Operator's Well Number A-1921 3) Elevation: 1871'

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

Proposed Target Formation(s): Huntersville Chert 463

6) Proposed Total Depth: 8300 feet

7) Approximate fresh water strata depths: 57'

8) Approximate salt water depths: NONE

9) Approximate coal seam depths: 69'-75'

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

Table with 7 columns: TYPE, SIZE, GRADE, WEIGHT PER FT., FOR DRILLING, LEFT IN WELL, FILL-UP (Cu. Ft.). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS: 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 CC Blanket Agent

RECEIVED
WV
Environmental
JUN 14 86
Permitting
Office of Oil & Gas

1) Date: May 25, 1993
2) Operator's well number
A-1921 (PAWLAK)
3) API Well No: 47 - 061 - 1111
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 Rebecca J. Pawlak
 - Address 8525 Shoal Creek Blvd - Apt 205
Austin, Texas 78758
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
 - Name None With Declaration
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name Rebecca J. Pawlak
 - Address 8525 Shoal Creek Blvd--Apt 205
Austin, Texas 78758
 - Name _____
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name None With Declaration
 - Address _____
- 6) Inspector Randal Mick
- Address 111 Blackshere Drive
Mannington, WV 26582
- Telephone (304)- 987-3324

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 J. Herr
Its: _____ Manager, Land
Address _____ P. O. Box 1740
_____ Clarksburg, WV 26302-1740
Telephone _____ 304 623-6671

Subscribed and sworn before me this 25th day of May, 19 93

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