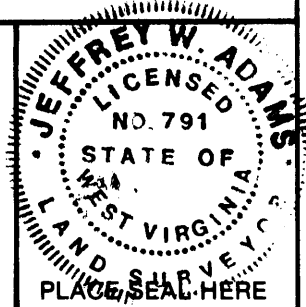


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road junction 3300'
West 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



DATE August 20, 19 93
 OPERATOR'S WELL NO. A-1972
 API WELL NO. _____

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1925 WATERSHED Cobun Creek
 DISTRICT Clinton COUNTY Monongalia
 QUADRANGLE Morgantown South 7 1/2'

SURFACE OWNER Roy P. Cayton ACREAGE 178.875
 OIL & GAS ROYALTY OWNER Roy P. Cayton, et al LEASE ACREAGE 178.875 out of 201
 LEASE NO. 4627

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

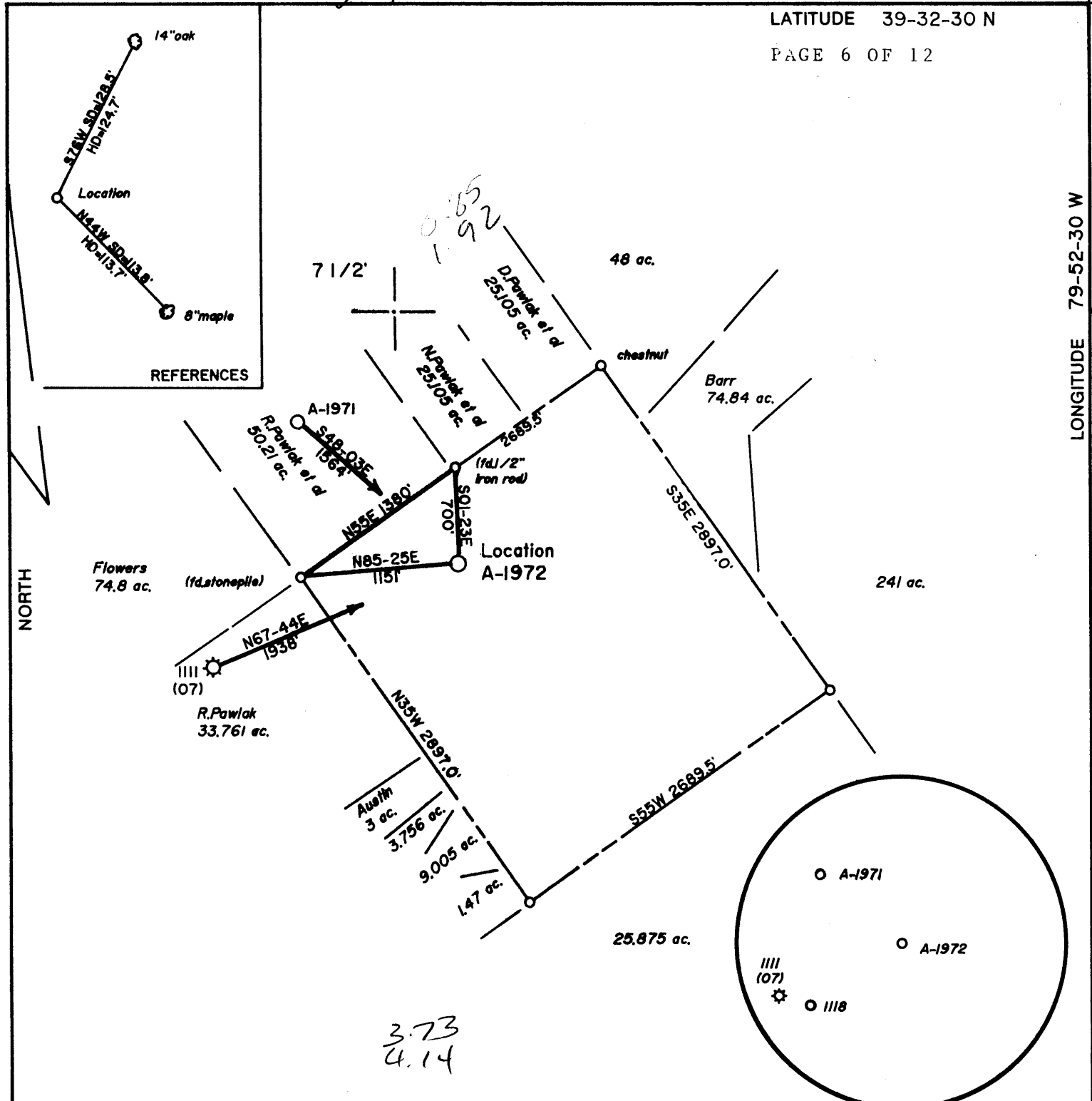
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Baltimore/Speechley ESTIMATED DEPTH 3000
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Marty Perri
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

DEC 6 1996

FORM WW-6

COUNTY NAME MONON

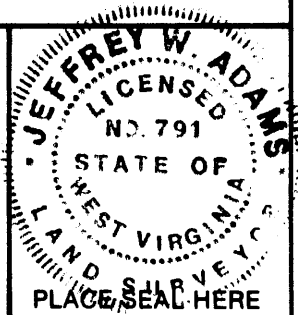
PERMIT 1126



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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road junction 3300'
West 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



DATE August 20, 19 93
 OPERATOR'S WELL NO. A-1972
 API WELL NO.

47 - 061 - 1126
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1925 WATER SHED Cabun Creek
 DISTRICT Clinton COUNTY Monongalia
 QUADRANGLE Morgantown South 7 1/2' MMS & SC

SURFACE OWNER Roy P. Cayton ACREAGE 178.875
 OIL & GAS ROYALTY OWNER Roy P. Cayton, et al LEASE ACREAGE 178.875 out of 201
 LEASE NO. 4627

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 Balltown/Speechley ESTIMATED DEPTH 3000
 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

FORM WW-6

COUNTY NAME

PERMIT

18082

FORM WW-2B

RECEIVED
WV Division of
Environmental Protection
OCT 15 83
Permitting
Office of Oil & Gas

061-1126
Issued 11/01/93
Expires 11/01/95
Page 3 of 12

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

- Well Operator: ALAMCO, INC. (975) (D) 485
- Operator's Well Number A-1972 (GILES/CAYTON) 3) Elevation: 1925
- 4) Well type: (a) OIL ___/ or GAS XX /
(b) If Gas: Production XX / Underground Storage ___ /
Deep ___ / 433 Shallow XX /
- 5) Proposed Target Formation(s): Balltown/Speechley
- 6) Proposed Total Depth: 3000 feet
- 7) Approximate fresh water strata depths: 160' Hole Damp
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: No Coal Noted
- 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	11-3/4"	LS	32#	40'	40'	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	24#	650	<u>45</u> 650	As required by 38 CSR 18-11-3
Production	4-1/2"	M-75	11.60	2850	2850	As required by 38 CSR 18-11-22
Tubing						As required by 38 CSR 38-11-1
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 Blanket Agent
 TYPE

078/25
21

1

1) Date: 08/25/1993
2) Operator's well number
A-1972 (GILES/CAYTON)
3) API Well No: 47 - 061 - 1126
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 Roy & Gracella Cayton
Address Route 3, Box 542-B
Morgantown, WV 26505
(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 _____ No Declaration of Record
Address _____
Name _____
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 11 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: Mary Lew
Its: _____ Manager, Land
Address _____ P. O. Box 1740
Clarksburg, WV 26301
Telephone _____ (304) 623-6671

Subscribed and sworn before me this 25th day of _____ August, 1993

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

WELL OPERATOR ALAMCO, INC.
OPERATOR WELL NO: A-1972
FILE NUMBER 47-061- 1126

11. Proposed Well Work:

Well A-1972 will be drilled to approximately 2,850' KB. The 8-5/8" casing will be set at approximately 650' KB and then cemented to surface. The well will then be drilled to 2,850' KB and the 4-1/2" casing set at approximately 2,850' KB. The 4-1/2" casing will be cemented to 1,100' KB. The well will then be hydraulically fractured in the Fourth Sand Formation.

12. Plan for partial abandonment:

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