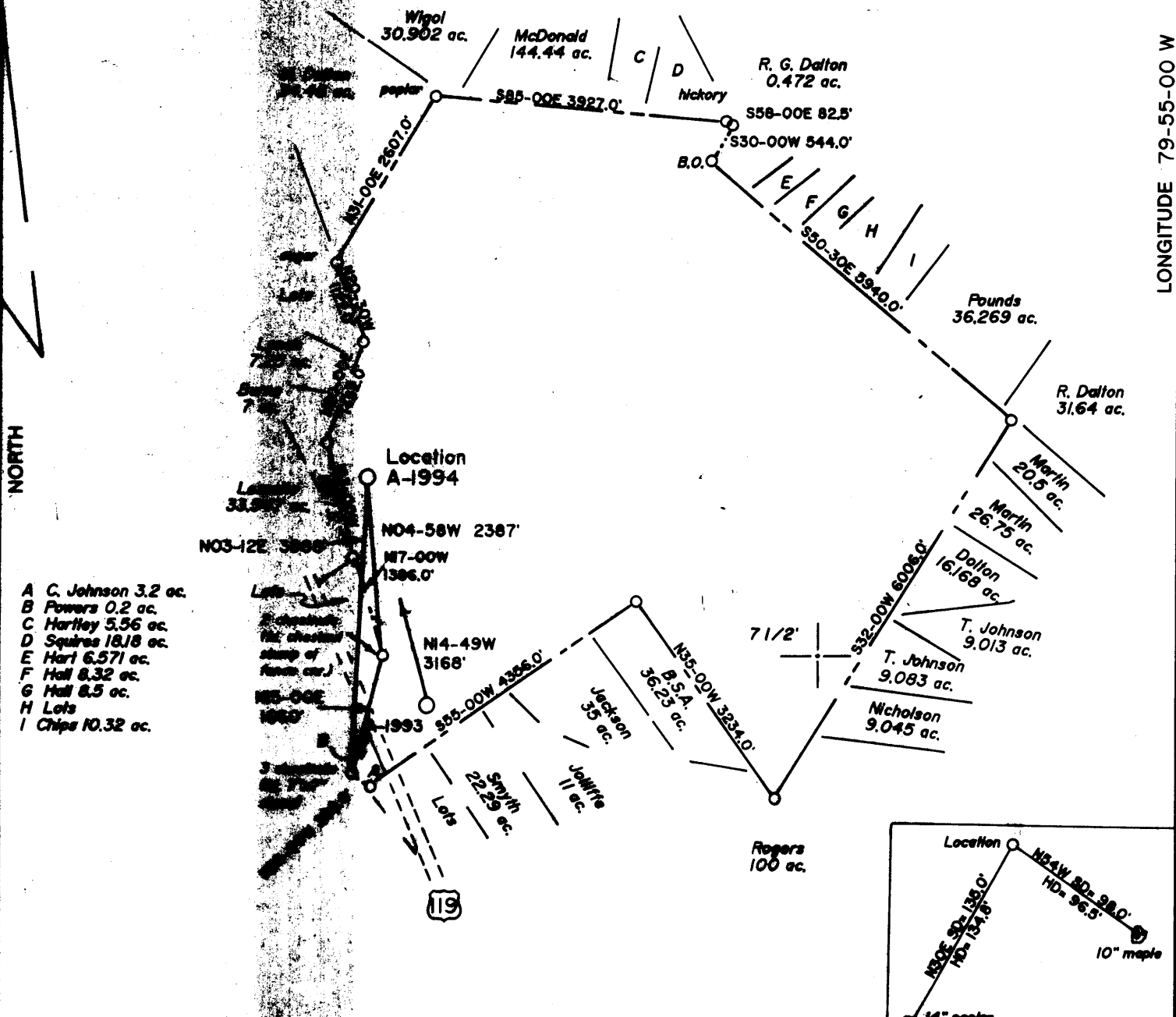


NOTE: No wells within 2,400'

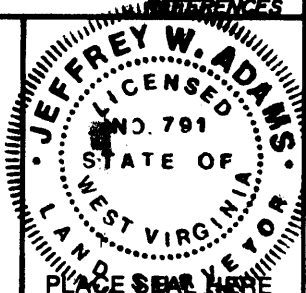


- A C. Johnson 3.2 ac.
- B Powers 0.2 ac.
- C Hartley 5.56 ac.
- D Squires 18.18 ac.
- E Hart 6.571 ac.
- F Hall 8.32 ac.
- G Hall 8.5 ac.
- H Lots
- I Chips 10.32 ac.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION BM 4,200' South of Location: elev 1365'

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 October 14, 19 93  
 OPERATOR'S WELL NO. A-1994  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1365 WATERSHED Cobun Creek  
 DISTRICT Clinton COUNTY Monongalia

QUADRANGLE Morgantown South 7 1/2'  
 SURFACE OWNER Thomas Johnson Jr. et al ACREAGE 1264.3  
 OIL & GAS ROYALTY OWNER Thomas J. Johnson Jr. et al LEASE ACREAGE 1264  
 LEASE NO. 4691

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 Oripar ESTIMATED DEPTH 8000  
 WELL OPERATOR Alamco, Inc. DESIGNATED AGENT Marty Parri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

DEC 6 1993

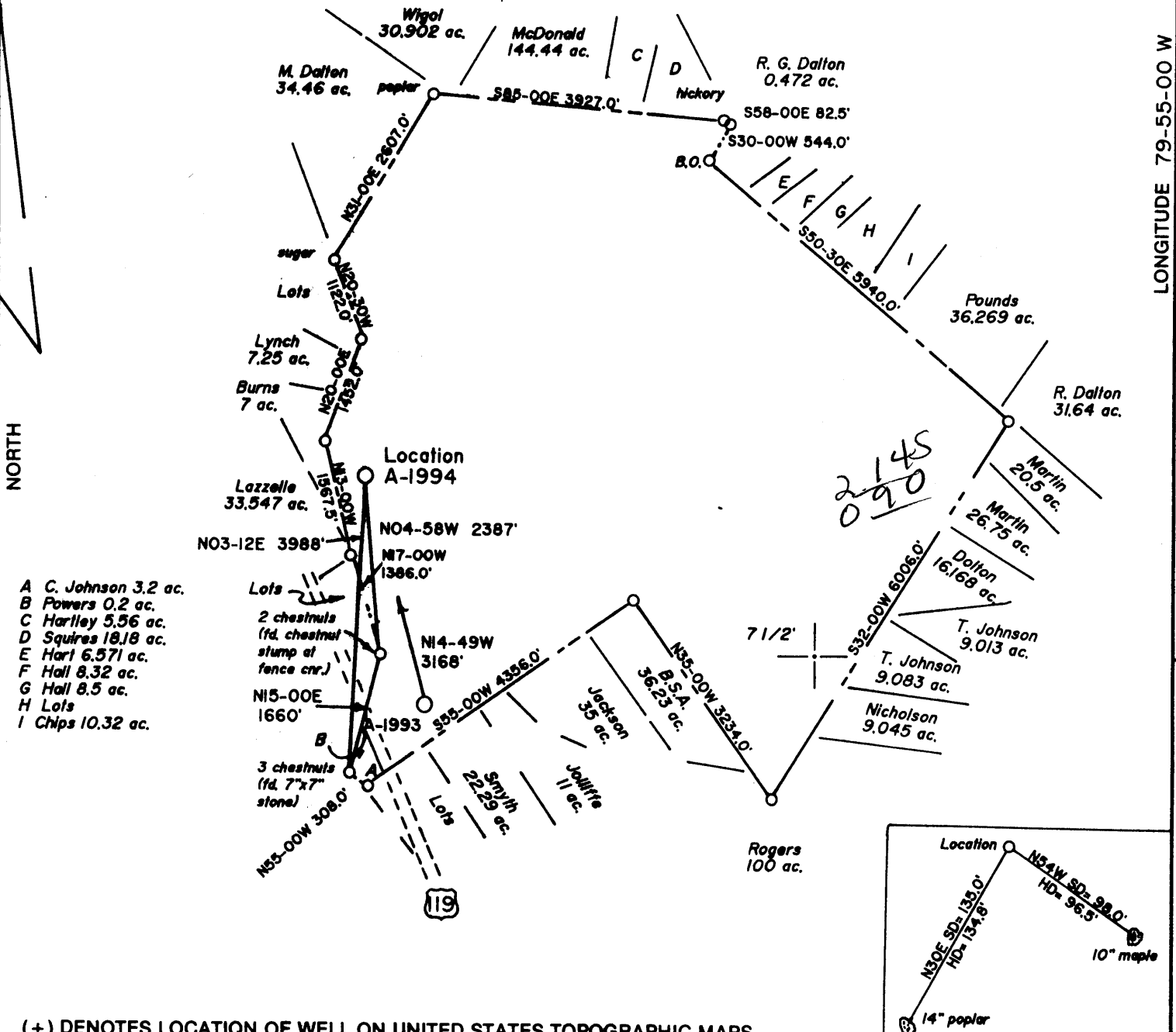
FORM WW-6

LONGITUDE 79-55-00 W

MONONGALIA COUNTY NAME

PERMIT 1133

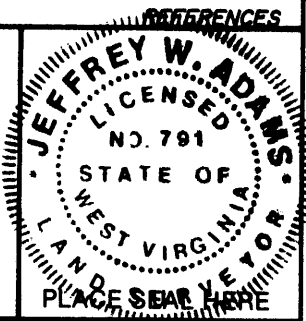
NOTE: No wells within 2,400'.



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_ / \_\_\_\_\_  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION BM 4,200' South of Location: elev. 1595'

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 October 14, 19 93  
 OPERATOR'S WELL NO. A-1994  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1365 WATERSHED Cobun Creek  
 DISTRICT Clinton COUNTY Monongalia

QUADRANGLE Morgantown South 7 1/2' N 15 SW  
 SURFACE OWNER Thomas Johnson Jr. et al ACREAGE 1264.3  
 OIL & GAS ROYALTY OWNER Thomas J. Johnson Jr. et al LEASE ACREAGE 1264  
 LEASE NO. 4691

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 Perri  
 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740 ADDRESS P.O. Box 1740, Clarksburg, WV 26302-1740

FORM WW-6

LONGITUDE 79-55-00 W

NORTH

COUNTY NAME

PERMIT

061-1133  
 issued 12/07/93

18249

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

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

Operator's Well Number A-1994 3) Elevation: 1,365'

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

- 5) Proposed Target Formation(s): ORISKANY 475
- 6) Proposed Total Depth: 8,000 feet
- 7) Approximate fresh water strata depths: 180' hole damp
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: No Coal Reported
- 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	SPECIFICATIONS	GRADE	WEIGHT PER FT.	FOOTAGE INTERVALS	FOR DRILLING	LEFT IN WELL	CEMENT	FILL-UP (Cu. Ft.)
Conductor	11-3/4"		LS	32#	40'		40'		NONE
Fresh Water									
Coal									
<del>Intermediate</del>	8-5/8"		J-55	24#	1,259'		1,259'		As req. by 38 CSR 18-11.3
Production	4-1/2"		M-75	11.60	8,000'		8,000'		As req. by 38 CSR 18-11.2
Tubing									
Liners									

PACKERS: Kind NONE  
 Sizes --  
 Depths Set --

074050  
 23

For Division of Oil and Gas Use Only

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

Plat  WW-9  WW-2B  Bond CC TYPE  Agent

1) Date: October 19, 1993  
2) Operator's well number  
A-1994 (JOHNSON)  
3) API Well No: 47 - 061 - 1133  
State - County - Permit

Permitting  
Office of Oil & Gas

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 Ora Lee J. Ludwig  
Address P. O. Box 676  
Morgantown, WV 26505  
(b) Name Thomas J. Johnson, Jr.  
Address P. O. Box 2248  
Morgantown, WV 26505  
(c) Name One Valley Bank, N.A. Trustee  
Address Pearl J. Frazier  
P. O. Box 698  
Morgantown, WV 26505  
6) Inspector Randall Mick  
Address 111 Blackshere Drive  
Mannington, WV 26582  
Telephone (304)- 986-3324

5) (a) Coal Operator:  
Name SAME AS SURFACE OWNERS  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name SAME AS SURFACE OWNERS  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name SAME AS SURFACE OWNERS  
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 12 on the above named parties, by:  
XX Personal Service (Affidavit attached)  
\_\_\_\_\_ 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 19th day of October, 1993

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

ATTACHMENT TO:  
FORM WW-2B

Page 4 of 13

WELL OPERATOR           ALAMCO, INC.  
OPERATOR WELL NO:      A-1994 (JOHNSON)  
FILE NUMBER             47-061- 1133

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11. Proposed Well Work:

Well A-1994 will be drilled to approximately 1,259' KB. The 8-5/8" casing will be set at approximately 1,259' 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 Oriskany Formation.

12. Plan for partial abandonment: