

1.66
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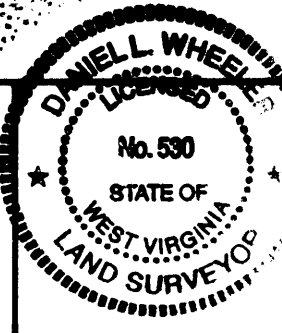
WELL REFERENCES
 LOC. TO S. FINE N 8° 00' E 134'
 LOC. TO S. FINE N 8° 00' W 97'

D. L. WHEELER & ASSOCIATES, INC.
 J. F. ALLEN BUILDING, SUITE 200
 600 BOWEN ST. WASH
 CLARKSBURG, WEST VIRGINIA, 26301
 Tele. No.: 264-4444
 Fax. No.: 264-4444

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL API # 139
 ELEV. = 1926'

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) *Daniel L. Wheeler*
 R.P.E. _____ L.L.S. 530
 DANIEL L. WHEELER



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



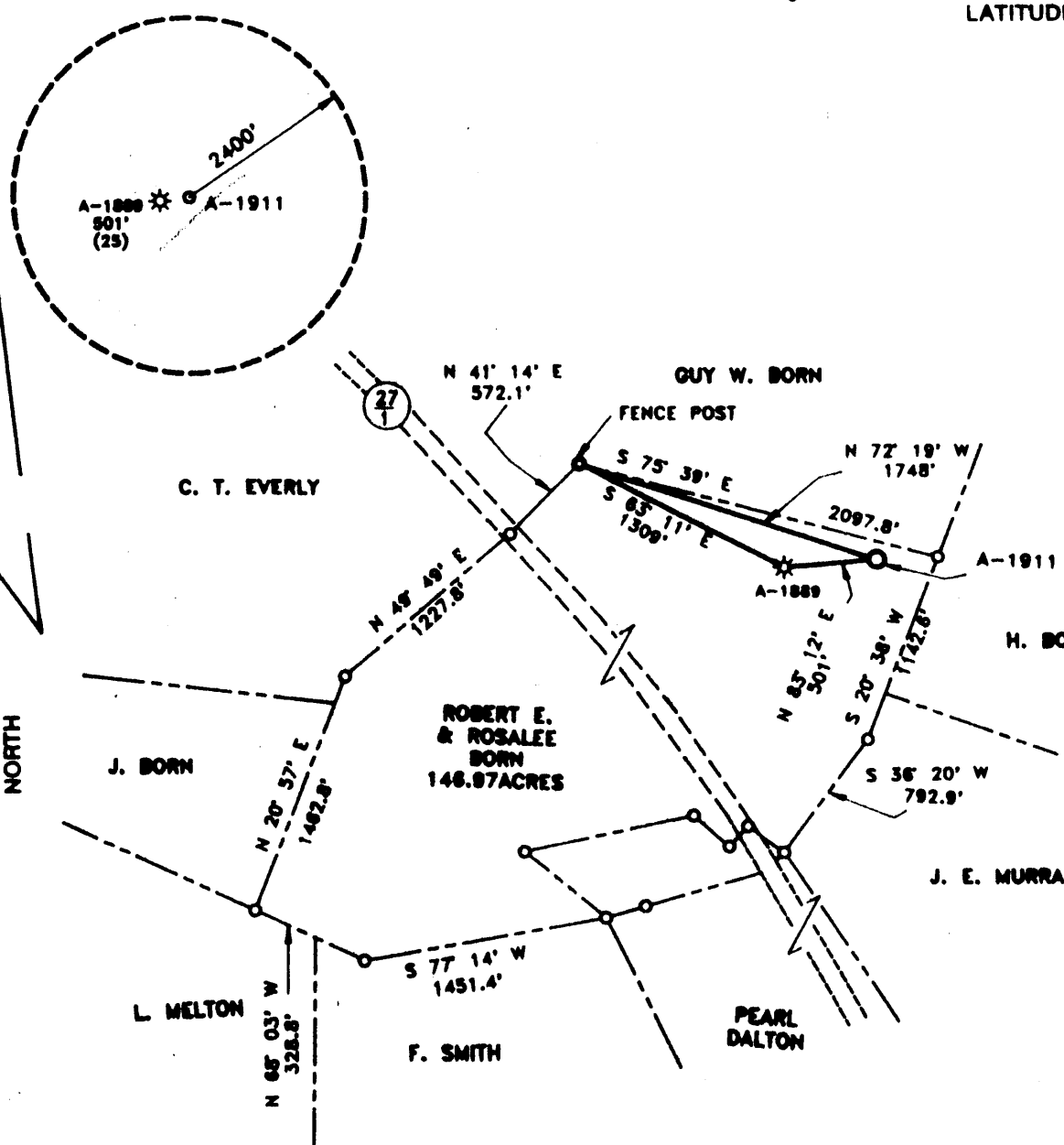
DATE SEPTEMBER 24, 19 92
 OPERATOR'S WELL NO. A-1911
 API WELL NO.

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1939' WATER SHED DECKERS CREEK
 DISTRICT VALLEY COUNTY PRESTON
 QUADRANGLE MASONTOWN 7.5'

SURFACE OWNER ROBERT E. & ROSALEE BORN ACREAGE 146.97
 OIL & GAS ROYALTY OWNER ROBERT E & ROSALEE BORN LEASE ACREAGE 143 AC. OF 640 AC. UNIT

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 SPECIALTY/BALLTOWN ESTIMATED DEPTH 3400'
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTY PERRI NOV 15 1996
 ADDRESS P. O. BOX 1740 ADDRESS P.O. BOX 1740
 CLARKSBURG WV. 26301 CLARKSBURG, WV. 26301



1.685
0.36W

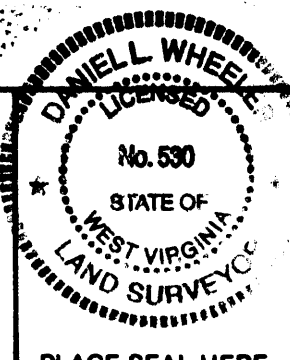
WELL REFERENCES
LOC. TO # PINE N 84° 02' E 134'
LOC. TO Z PINE N 8° 51' W 97'

D. L. WHEELER & ASSOCIATES, INC.
 J. F. ALLEN BUILDING, SUITE 200
 600 DAVISSON RUN ROAD
 CLARKSBURG, WEST VIRGINIA 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

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 SCALE 1" = 1000'
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 (SIGNED) Daniel L. Wheeler
 R.P.E. _____ I.L.S. 530
DANIEL L. WHEELER



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE SEPTEMBER 24, 19 92
 OPERATOR'S WELL NO. A-1911
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1939' WATER SHED DECKERS CREEK

DISTRICT VALLEY COUNTY PRESTON
 QUADRANGLE MASONTOWN 7.5' Morgantown SC

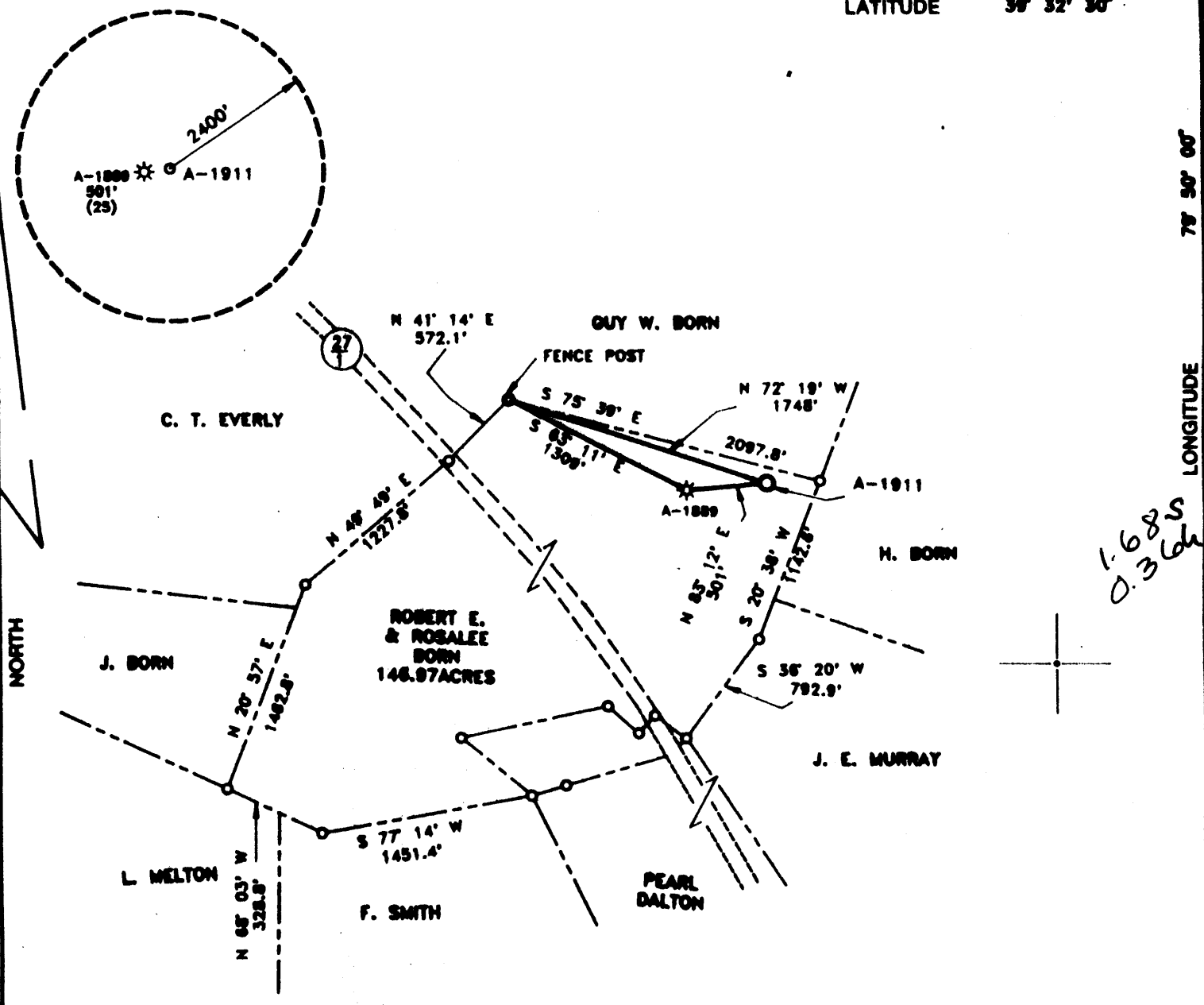
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PLUG AND ABANDON / CLEAN OUT AND REPLUG ___
 TARGET FORMATION SPEECHLY/BALLTOWN ESTIMATED DEPTH 3400'
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTY PERRI
 ADDRESS P. O. BOX 1740 ADDRESS P.O. BOX 1740
CLARKSBURG WV. 26301 CLARKSBURG, WV. 26301

FORM WW-6

COUNTY NAME PERMIT



1.685
0.36W

WELL REFERENCES
LOC. TO # FINE N 84° 00' E 134'
LOC. TO # FINE N 8° 51' W 87'

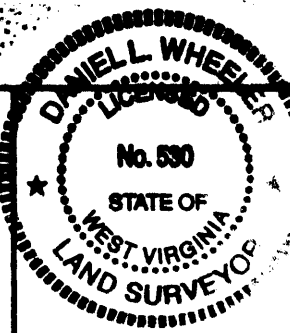
D. L. WHEELER & ASSOCIATES, INC.
 J. F. ALLEN BUILDING, SUITE 200
 800 DAVISSON RUN ROAD
 CLARKSBURG, WEST VIRGINIA 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

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0.36W

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

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 (SIGNED) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530
DANIEL L. WHEELER



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



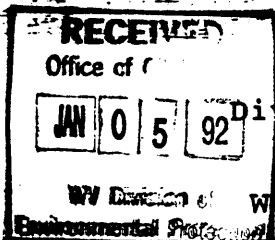
DATE SEPTEMBER 24, 19 92
 OPERATOR'S WELL NO. A-1911
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1939' WATERSHED DECKERS CREEK
 DISTRICT VALLEY COUNTY PRESTON
 QUADRANGLE MASONTOWN 7.5' May. 52 15

SURFACE OWNER ROBERT E. & ROSALEE BORN ACREAGE 146.97
 OIL & GAS ROYALTY OWNER ROBERT E & ROSALEE BORN LEASE ACREAGE 143 AC. OF 640 AC. UNIT

PROPOSED WORK: DRILL X 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 SPEECHLY/BALLTOWN ESTIMATED DEPTH 3400'
 WELL OPERATOR ALAMCO, INC. DESIGNATED AGENT MARTY PERRI
 ADDRESS P. O. BOX 1740 ADDRESS P.O. BOX 1740
CLARKSBURG WV. 26301 60 S. Burns Chapel (313) CLARKSBURG, WV. 26301



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: BORN, ROBERT & ROSALIEE Operator Well No.: A-1911 (BCRN)

LOCATION: Elevation: 1939.00 Quadrangle: MASONTOWN

District: VALLEY County: PRESTON
Latitude: 8850 Feet South of 39 Deg. 32Min. 30 Sec.
Longitude 1820 Feet West of 79 Deg. 50 Min. 0 Sec.

Company: ALAMCO, INC.
200 W. MAIN ST., P.O. BOX 1740
CLARKSBURG, WV 26302-1740

Agent: MARTY L. PERRI

Inspector: PHILLIP TRACY
Permit Issued: 10/26/92
Well work Commenced: 11/13/92
Well work Completed: 12/15/92
Verbal Plugging _____
Permission granted on: _____
Rotary Cable _____ Rig _____
Total Depth (feet) 3257'
Fresh water depths (ft) 231'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	63'	63'	-
8 5/8"	913'	913'	To Surface
4 1/2"	3223'	3223'	To 2430' KB
2 3/8"	2869'	2869'	-

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 277'-291', 340'-346',
524'-528'

OPEN FLOW DATA NO TEST

Producing formation 3rd Speechley, 1st & 2nd Balltown Pay zone depth (ft) 2835'-3017'
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

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.

Reviewed TMB
Recorded CH

By: Richard R. Hoffman / RHH Richard R. Hoffman
Date: 1/4/93

Formation Depths:

0	10	KB to GL
10	57	Fill
57	190	Sand & Shale
190	277	Sand
277	291	Coal & Shale
291	340	Sand
340	346	Coal
346	354	Sand & Shale
354	372	Sand
372	385	Sand & Shale
385	450	Sand
450	524	Sand & Shale
524	528	Coal
528	569	Sand
569	629	Red Rock & Shale
629	707	Sand
707	744	Sand & Shale
744	830	Red Rock & Shale
830	842	Lime
842	867	Red Rock & Shale
867	876	Little Lime
876	891	Shale
891	973	Big Lime
973	993	Sand & Shale
993	1063	Big Injun Sand
1063	1099	Sand & Shale
1099	1126	Sand
1126	1167	Shale
1167	1212	Sand & Shale
1212	1265	Weir Sand
1265	1308	Sand & Shale
1308	1409	Shale
1409	1433	Sand & Shale
1433	1464	Sand
1464	1490	Sand & Shale
1490	1608	Sand
1608	1660	Sand & Shale
1660	1667	Sand
1667	1698	Sand & Shale
1698	1712	Sand
1712	1730	Sand & Shale
1730	1740	Sand
1740	1794	Sand & Shale
1794	2001	Red Rock & Shale
2001	2018	Sand
2018	2100	Red Rock & Shale
2100	2832	Sand & Shale
2832	2850	Speechley Sand
2850	2891	Sand & Shale
2891	2913	Balltown Sand
2913	3249 TD	Sand & Shale

1/4" H₂O @ 231'

- Gas Check @ 1239' N/S
- Gas Check @ 1290' N/S
- Gas Check @ 1421' N/S
- Gas Check @ 1483' N/S
- Gas Check @ 1546' N/S
- Gas Check @ 1946' N/S w/Flare
- Gas Check @ 2350' N/S
- Gas Check @ 2598' N/S
- Gas Check @ 2751' N/S
- Gas Check @ 2935' N/S
- Gas Check @ 3217' N/S w/Flare

Perforation Intervals:

- 3rd Speechley (2835'-2843') 5 shots
- 1st Balltown (2893'-2911') 7 shots
- 2nd Balltown (3015'-3017') 2 shots

Fracture:

Well was fractured on 12/09/92 with 31,650 lbs. of 20/40 sand and 420,000 scf of N₂.

DF-424
DFT-433

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

- 1) Well Operator: ALAMCO, INC. 010 (975) (81) 461
- 2) Operator's Well Number A-1911 (BORN) 3) Elevation: 1939'
- 4) Well type: (a) OIL ___/ or GAS XX/
(b) If Gas: Production XX/ Underground Storage ___/
Deep ___/ Shallow XX/
- 5) Proposed Target Formation(s): Speechley/Balltown #33
- 6) Proposed Total Depth: 3400 feet
- 7) Approximate fresh water strata depths: 85'
- 8) Approximate salt water depths: -0-
- 9) Approximate coal seam depths: -0-
- 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
	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (Cu. Ft.)
Conductor	11-3/4"	LS		40'	-0-	NONE
Fresh Water						
Coal						
Intermediate	8-5/8"	J-55	23#	500'	500'	As required 38 CSR 18-11
Production	4-1/2"	J-55	10.50#	3,000'	3,000'	As required 38 CSR 18-11
Tubing						
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 TYPE Agent

074428
35
14439

Environmental Protection
2 1 92
Permitting
Office of Oil & Gas

- 1) Date: September 30, 1992
- 2) Operator's well number
A-1911 (BORN)
- 3) API Well No: 47 - 077 - 0280
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Robert Elmer Born
Address Rosalee Born
Route 1, Box 202
 - (b) Name Reedsville, WV 26547
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name N/A (NONE)
Address _____
 - (b) Coal Owner(s) with Declaration
Name None of Record
Address None with Declaration
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name N/A (None with Declaration)
Address _____
- 6) Inspector Phillip Tracy
Address Route 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

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:
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: Marty L. Perri
Its: Marty L. Perri, Manager
Address 200 West Main Street
Clarksburg, WV 26301
Telephone 304 623-6671

Subscribed and sworn before me this 1st day of October, 1992
Edwin D. Coy
My commission expires February 21, 1999
COMMISSIONER

Well Operator: ALAMCO, INC.

Operator Well No.: A-1911 (BORN)

File Number: 47 - 077 0280

Environmental
OCT 21 02
Permitting
Office of Oil & Gas

11.) Proposed well work:

Well A-1911 will be drilled to approximately 500'. The
8-5/8" casing will be set at approximately 500' and then
cemented to surface. The well will then be drilled to
3,400' KB and the 4-1/2" casing set at approximately 3,000'
KB. The 4-1/2" casing will be cemented to 2,200' KB. The
well will then be hydraulically fractured in the Speechley/
Balltown formations.

12.) Plan for partial abandonment: