

# FARR/P. MAXWELL LEASE

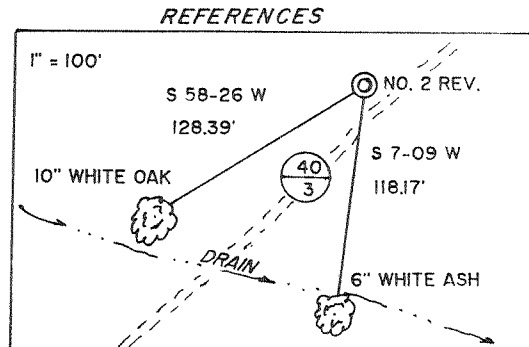
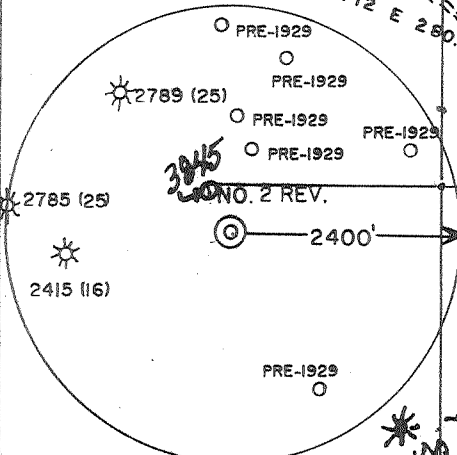
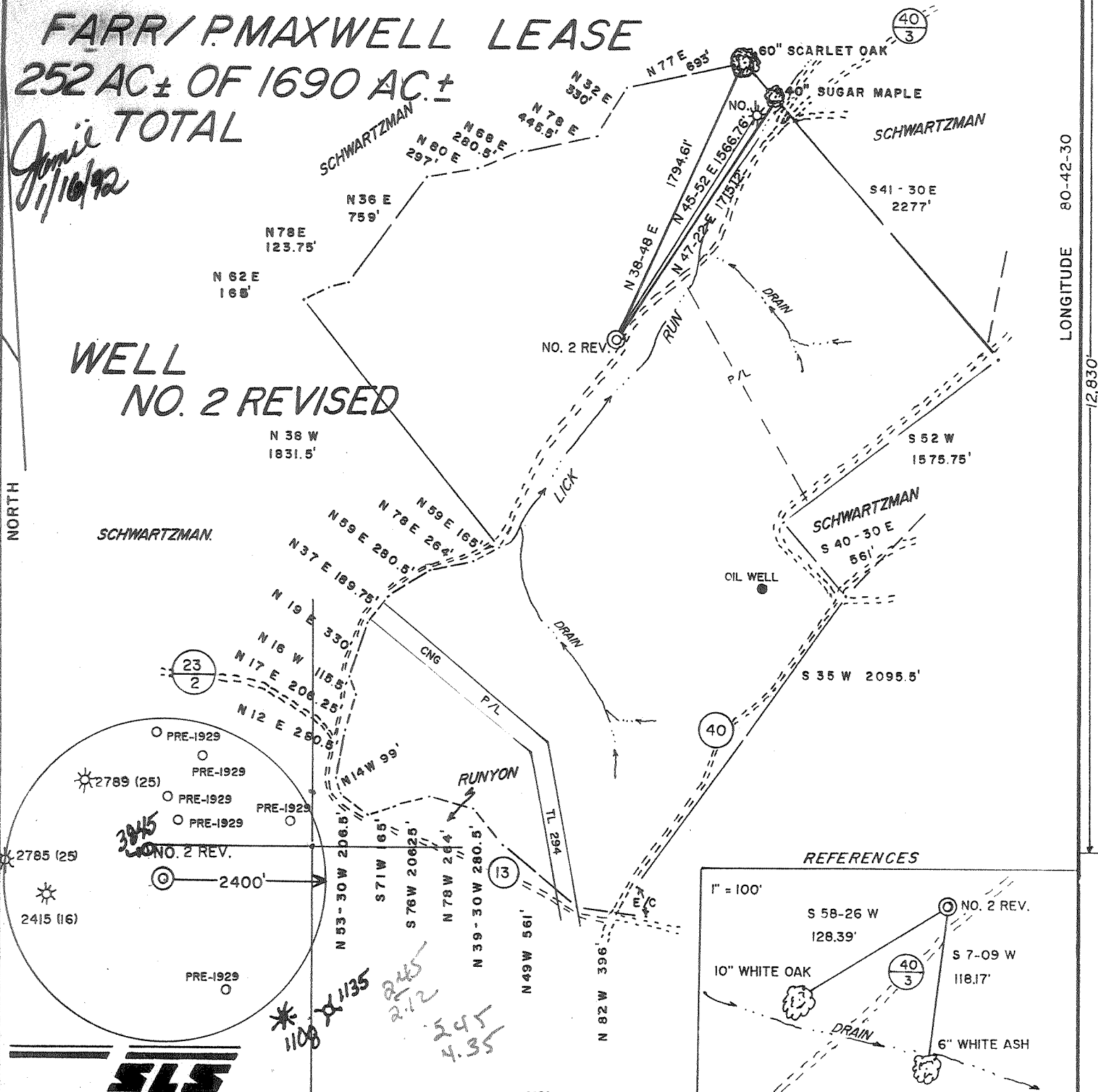
## 252 AC± OF 1690 AC.±

*Amil*  
*1/11/92*

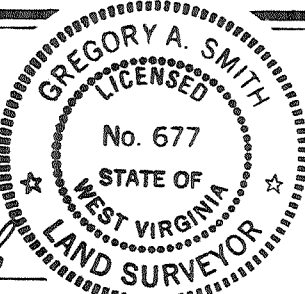
### TOTAL

## WELL NO. 2 REVISED

NORTH



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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE SEPTEMBER 12, 19 91  
OPERATORS WELL NO. FARR/P. MAXWELL  
WELL NO. 2 REVISED  
API WELL NO. 47 - 017 - 3938  
STATE WV COUNTY DODDRIDGE PERMIT WVD0003302

L.L.S. 677 Gregory A. Smith

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2735 (37-38)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1298' SCALE 1" = 800'

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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION:  
ELEVATION 939' WATERSHED LICK RUN  
DISTRICT NEW MILTON 6 COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'  
SURFACE OWNER BEATRICE H. SCHWARTZMAN ACREAGE 252 OF 1690 *Radio*  
ROYALTY OWNER PORTER MAXWELL HEIRS et.al. LEASE ACREAGE 252 OF 1690 *now*

PROPOSED WORK:  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION   
PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION ALEXANDER  
ESTIMATED DEPTH 5130'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN PALETTI  
ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th ST. CHARLESTON, WV 25304

*6-6 Port Antonio (Stout) (134)*

COUNTY NAME  
PERMIT

Environmental Protection

NOV 18 93

Permitting Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: FARR/MAXWELL 2

LOCATION: Elevation: 939.00 Quadrangle: NEW MILTON

District: NEW MILTON County: DODDRIDGE
Latitude: 12830 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 11230 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX N
GLENVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 01/16/92
Well work Commenced: 08/01/93
Well work Completed: 09/14/93
Verbal Plugging
Permission granted on:
Rotary XX Cable Rig
Total Depth (feet) 5132'
Fresh water depths (ft) 45'
Salt water depths (ft) 1170'

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

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include 11-3/4", 8-5/8", 4-1/2", and 1-1/2" sizes.

OPEN FLOW DATA

(COMMINGLED)

Riley, Balltown 5008'- Pay zone depth (ft) 3786'

Producing formation Alexander, Benson, 3rd Riley, Pay zone depth (ft) 3786'
Gas: Initial open flow 411 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 327 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1250 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: [Signature] EASTERN AMERICAN ENERGY CORP.

By: Ronald L. Rech, Regional Drilling Manager
Date: November 17, 1993

TMG

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

3 Stage Frac

Stage One Alexander: 20 holes (4949'-5008'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 95,000 scf of N2.

Stage Two Benson/3rd Riley: 16 holes (4572'-4666'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 90,000 scf of N2.

Stage Three Riley/Balltown: 16 holes (3786'-4228'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 750 gals of 15% HCL acid and 95,000 scf of N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	5	
Sandy Shale			5	15	
Shale			15	20	
Sandy Shale			20	35	
Sand			35	38	1/2" Stream H2O @ 45'
Sandy Shale			38	50	
Shale and Red Rock			50	85	
Sandy Shale			85	148	
Sand			148	235	
Red Rock			235	249	
Sand			249	279	
Red Rock			279	293	
Sand			293	317	
Sand & Lime			317	332	
Red Rock			332	347	
Sandy Shale			347	367	
Red Rock			367	380	
Sandy Shale			380	485	
Red Rock			485	520	
Sand			520	530	
Red Rock & Shale			530	600	
Sandy Shale			600	670	
Red Rock			670	710	
Sandy Shale			710	720	
Shale			720	790	
Sand & Sandy Shale			790	1618	Damp @ 1170'
Little Lime			1618	1626	
Sand & Shale			1626	1663	
Big Lime			1663	1722	
Keener			1722	1739	
Big Injun			1739	1804	
Shale			1804	1950	

(cont.)

(Attach separate sheets as necessary)

802

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Weir			1950	2048	
Shale			2048	2153	
Berea			2153	2167	
Shale			2167	2335	
Gordon			2335	2393	<u>Gas Checks:</u>
Shale & Siltstone			2393	3007	1600' - No Show
Warren			3007	3051	1694' - No Show
Shale & Siltstone			3051	3772	1914' - No Show
					2200' - No Show
Balltown			3772	3812	2300' - Oil Odor
Shale			3812	4060	2515' - 4/10 thru 1" w/H2O
Bradford			4060	4098	2919' - 4/10 thru 1" w/H2O
Shale			4098	4202	3148' - 4/10 thru 1" w/H2O
					3749' - 4/10 thru 1" w/H2O
Riley			4202	4246	4127' - 6/10 thru 1" w/H2O
Shale			4246	4560	4347' - 6/10 thru 1" w/H2O
Third Riley			4560	4585	4473' - 6/10 thru 1" w/H2O
Shale			4585	4659	4818' - 5/10 thru 1" w/H2O
					5008' - 20/10 thru 1" w/H2O
Benson			4659	4672	5150' - 20/10 thru 1" w/H2O
Shale			4672	4907	DC - 12/10 thru 1" w/H2O
Alexander			4907	5016	
Shale			5016	5150	
Total Depth:				5150	

DF - 424  
OPT - 439

NOV 30 1933

NOV 30 1933

*Revised  
Location  
Per Plan*

017 3938  
Issued 11/16/92  
Page 3 of 8  
Expires 11/16/94

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

- 1) Well Operator: Eastern American Energy Corporation
- 2) Operator's Well Number: FARR/MAXWELL #2 3) Elevation: 939'  
WVDOD003302
- 4) Well type: (a) Oil  or Gas   
(b) If Gas: Production  Underground Storage   
Deep  Shallow
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5130' feet
- 7) Approximate fresh water strata depths: 54', 299', 462'
- 8) Approximate salt water depths: 1274', 1305'
- 9) Approximate coal seam depths: 134'-137', 854'-859'
- 10) Does land contain coal seams tributary to active mine? Yes  / No
- 11) Proposed Well Work: Drill and complete new well.
- 12)

*NO CHANGE  
IN ELEVATION*

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"	F-25	32.0	40'		C.T.S. 38CSR18-11.1 38CSR18-11.2
Fresh Water	8-5/8"	F-25	20.0	950'	950'	
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	5045'	5045'	38CSR18-11.1
Tubing						
Liners						

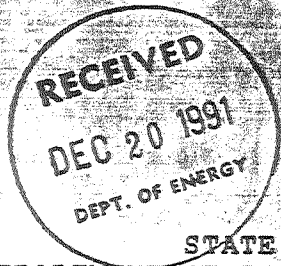
PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond  Agent

*Bluel*

*22155  
29*



1) Date: December 17, 1991  
2) Operator's well number: FARR/P. MAXWELL 12-REV. WVB0000302  
3) API Well No: 47  
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:         | 5) (a) Coal Operator:              |
| (a) Name <u>Mrs. Beatrice Schwartzman</u> | Name <u>N/A</u>                    |
| Address <u>2520 30th Street, N.W.</u>     | Address _____                      |
| <u>Washington, D.C. 20008</u>             |                                    |
| (b) Name _____                            | (b) Coal Owner(s) with Declaration |
| Address _____                             | Name <u>N/A</u>                    |
|   | Address _____                      |
| (c) Name _____                            | Name _____                         |
| Address _____                             | Address _____                      |
| 6) Inspector <u>Mr. Mike Underwood</u>    | (c) Coal Lessee with Declaration   |
| Address <u>Rt. 2 Box 135</u>              | Name <u>N/A</u>                    |
| <u>Salem, WV 26426</u>                    | Address _____                      |
| Telephone (304)- <u>782-1043</u>          |                                    |

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  
X 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 8 on the above named parties, by:

- \_\_\_\_ Personal Service (Affidavit attached)
- X 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 Eastern American Energy Corporation  
By: John M. Galitto  
Its: Designated Agent  
Address 501 56th Street  
Charleston, WV 25304  
Telephone 304-462-5781

OFFICIAL SEAL NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
KAREN S. ARBAUGH  
P. O. BOX N  
GLENVILLE, W. VA. 26351  
My Commission Expires Jan. 25, 1992

Subscribed and sworn before me this 18th day of December, 19 91

Karen S. Arbaugh

Karen S. Arbaugh

Notary Public

My commission expires January 25, 1999