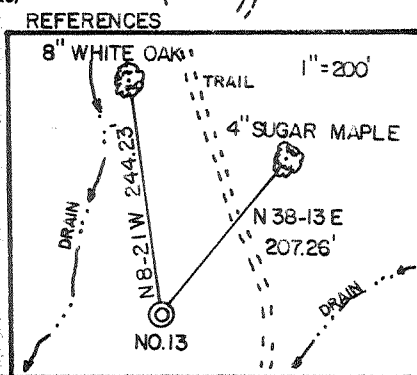
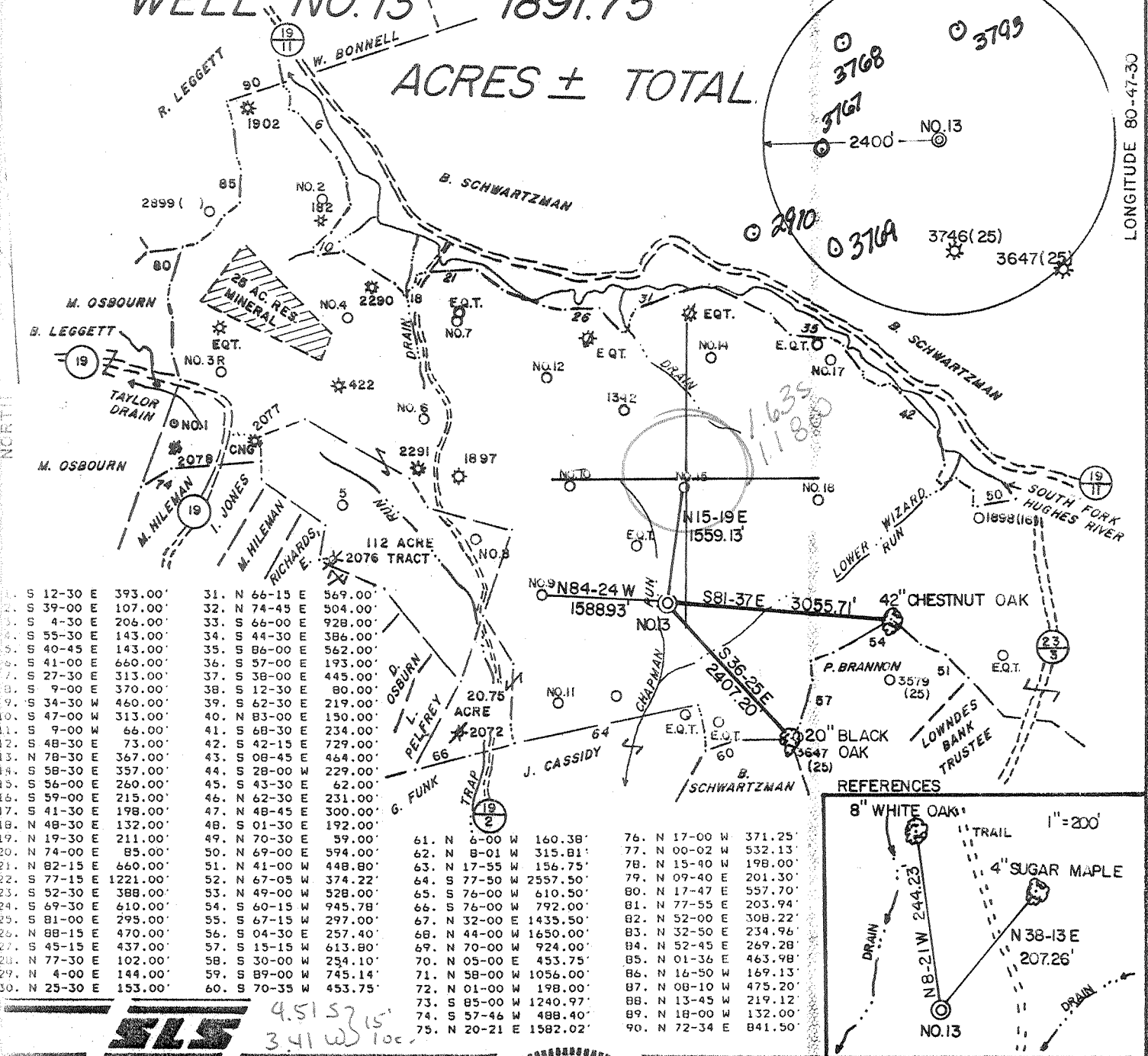


Jamie 4/23/90

# BLAUSER/W.B. MAXWELL LEASE

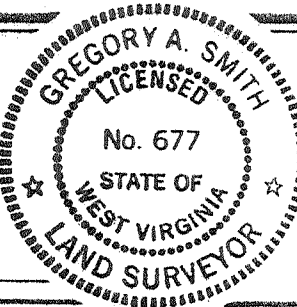
## WELL NO. 13 1891.75

### ACRES ± TOTAL



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.

L.S. Gregory A. Smith  
677



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

DATE JANUARY 2, 19 90


OPERATORS WELL NO BLAUSER/W.B. MAXWELL  
WELL NO. 13  
WVDODOOIII3

API WELL NO. 47 - 017 - 3815  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-41)

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1291' SCALE 1" = 2000'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



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

LOCATION: ELEVATION 984' WATERSHED CHAPMAN RUN Holbrook NE

DISTRICT SOUTH WEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE P/O 1255.4 OF 4583.2

ROYALTY OWNER W.B. MAXWELL HEIRS et.al. LEASE ACREAGE 1699 OF 1891.75

PROPOSED WORK: LEASE NO. WVO1918-+

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 5105'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI MAY 04 1990

ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56th ST. CHARLESTON, WV. 25304

AUG 27 90  
Permitting  
Oil and Gas Section

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: BLAU/MAXWELL#13 W.B

LOCATION: Elevation: 984.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 8650 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 6250 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD  
Permit Issued: 05/03/90  
Well work Commenced: 06/12/90  
Well work Completed: 07/01/90  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5230'  
Fresh water depths (ft) 38', 690'

Salt water depths (ft) 1270'

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 185', 550', 796'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1149.20'	1149.20'	C.T.S.
4-1/2"	5099.75'	5099.75'	335
1-1/2"	---	4902.95'	---

OPEN FLOW DATA

Alexander, Benson/3rd Riley, 5001'-  
Producing formation Riley (Commingled) Pay zone depth (ft) 4267.5'  
Gas: Initial open flow 840 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 680 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1240 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: Rich Heffelfinger  
EASTERN AMERICAN ENERGY CORP.  
Rich Heffelfinger  
By: Vice President - Regional Operations  
Date: August 14, 1990

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

3-STAGE FOAM FRAC:

- Stage 1: Alexander - 13 holes (5001'-4924.5') Breakdown 1390 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 44,900 lbs 20/40 sand, 500 gals 15% HCl, 518,900 scf of N<sub>2</sub>
- Stage 2: Benson/3rd Riley - 12 holes (4664'-4581') Breakdown 1790 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 63,350 lbs 20/40 sand, 500 gals 15% HCl, 671,200 scf of N<sub>2</sub>
- Stage 3: Riley - 16 holes (4267.5'-4240.5') Breakdown 1790 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 678,700 scf of N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	10	1/2" stream water @ 38'
Sand			10	25	1" water @ 690'
Sand and Shale			25	40	Hole Damp @ 1270'
Sand			40	79	
Sand and Shale			79	150	Coal @ 185', 331' and 796'
Red Rock and Shale			150	175	
Sand and Shale			175	185	
Coal			185	189	<u>GAS CHECKS:</u>
Sand and Shale			189	300	1668' - 4/10 thru 7" w/water
Red Rock and Shale			300	331	1760' - 4/10 thru 7" w/water
Sand and Shale			331	550	1914' - 4/10 thru 7" w/water
Coal			550	560	2224' - 2/10 thru 7" w/water
Red Rock and Shale			560	796	2598' - 4/10 thru 7" w/water
Coal			796	802	3007' - 4/10 thru 7" w/water
Sand, Shale and Red Rock			802	1190	3225' - 2/10 thru 7" w/water
Sand and Shale			1190	1658	3728' - 2/10 thru 7" w/water
Little Lime			1658	1670	4195' - 2/10 thru 7" w/water
Sand and Shale			1670	1702	4320' - 2/10 thru 7" w/water
Big Lime			1702	1760	4511' - 2/10 thru 7" w/water
Big Injun			1760	1841	4761' - 2/10 thru 7" w/water
Sand and Shale			1841	1992	4918' - 2/10 thru 7" w/water
Weir			1992	2116	5076' - 2/10 thru 7" w/water
Sand and Shale			2116	2192	T.D. - 2/10 thru 7" w/water
Berea			2192	2197	D.C. - 2/10 thru 7" w/water
Sand and Shale			2197	3052	
Warren			3052	3106	
Shale with Minor Sand			3106	4224	
Riley			4224	4274	
Shale with Minor Sand			4274	4574	
3rd Riley			4574	4630	
Shale			4630	4660	
Benson			4660	4694	
Shale and Sand			4694	4905	
Alexander			4905	5011	
Shale with Minor Sand			5011	5230 T.D.	

(Attach separate sheets as necessary)

10494

017-3815  
 issued 5/3/90  
 Page 3 of 11  
 Expires 5/3/92

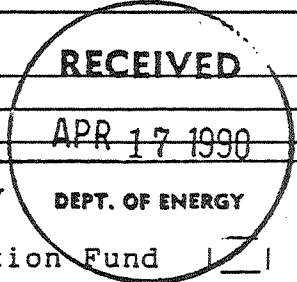
**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

- 1) Well Operator: <sup>259</sup> Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #13 3) Elevation: 984'  
 WVDOD001113
- 4) Well type: (a) Oil  or Gas   
 (b) If Gas: Production  Underground Storage   
 Deep  Shallow
- 5) Proposed Target Formation(s): <sup>439</sup> Alexander
- 6) Proposed Total Depth: 5105 feet
- 7) Approximate fresh water strata depths: 107', 744' 193', 43'
- 8) Approximate salt water depths: 1204'
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes  No
- 11) Proposed Well Work: Drill and complete new well.
- 12)

**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11"	F-25	37.5	30'	-----	
Fresh Water	8-5/8"	J-55	20.0	1135'	1135'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	5020'	5020'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

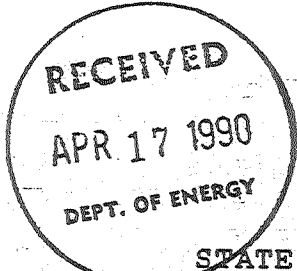
PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_



10185  
 #10

For Division of Oil and Gas Use Only

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



1) Date: January 26, 1990  
2) Operator's well number Blauser/W.B. Maxwell #13 - WVDOD001113  
3) API Well No: 47 - 017 - 3815  
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- |  |  |
|--|--|
| <p>4) Surface Owner(s) to be served:<br/>         (a) Name <u>Beatrice Schwartzman</u><br/>         Address <u>2520 30th Street, N.W.</u><br/> <u>Washington, DC 20008</u><br/>         (b) Name _____<br/>         Address _____<br/>         (c) Name _____<br/>         Address _____</p> | <p>5) (a) Coal Operator:<br/>         Name <u>None</u><br/>         Address _____<br/>         (b) Coal Owner(s) with Declaration<br/>         Name _____<br/>         Address _____<br/>         Name _____<br/>         Address _____<br/>         (c) Coal Lessee with Declaration<br/>         Name _____<br/>         Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>         Address <u>Rt. 2, Box 135</u><br/> <u>Salem, WV 26426</u><br/>         Telephone <u>(304)-782-1043</u></p>  |  |

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 Eastern American Energy Corporation  
 By: John M. Paletti *John M. Paletti*  
 Its: Designated Agent  
 Address P.O. Box N  
Glenville, WV 26351  
 Telephone (304) 462-5781

Subscribed and sworn before me this 26th day of January, 1990  
 My commission expires July 2, 1996  
 \_\_\_\_\_ Notary Public