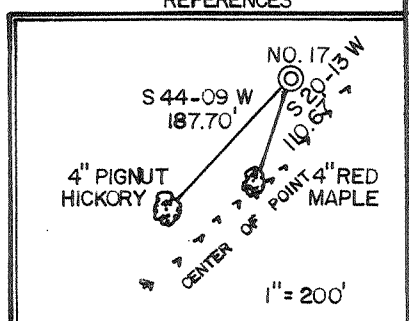
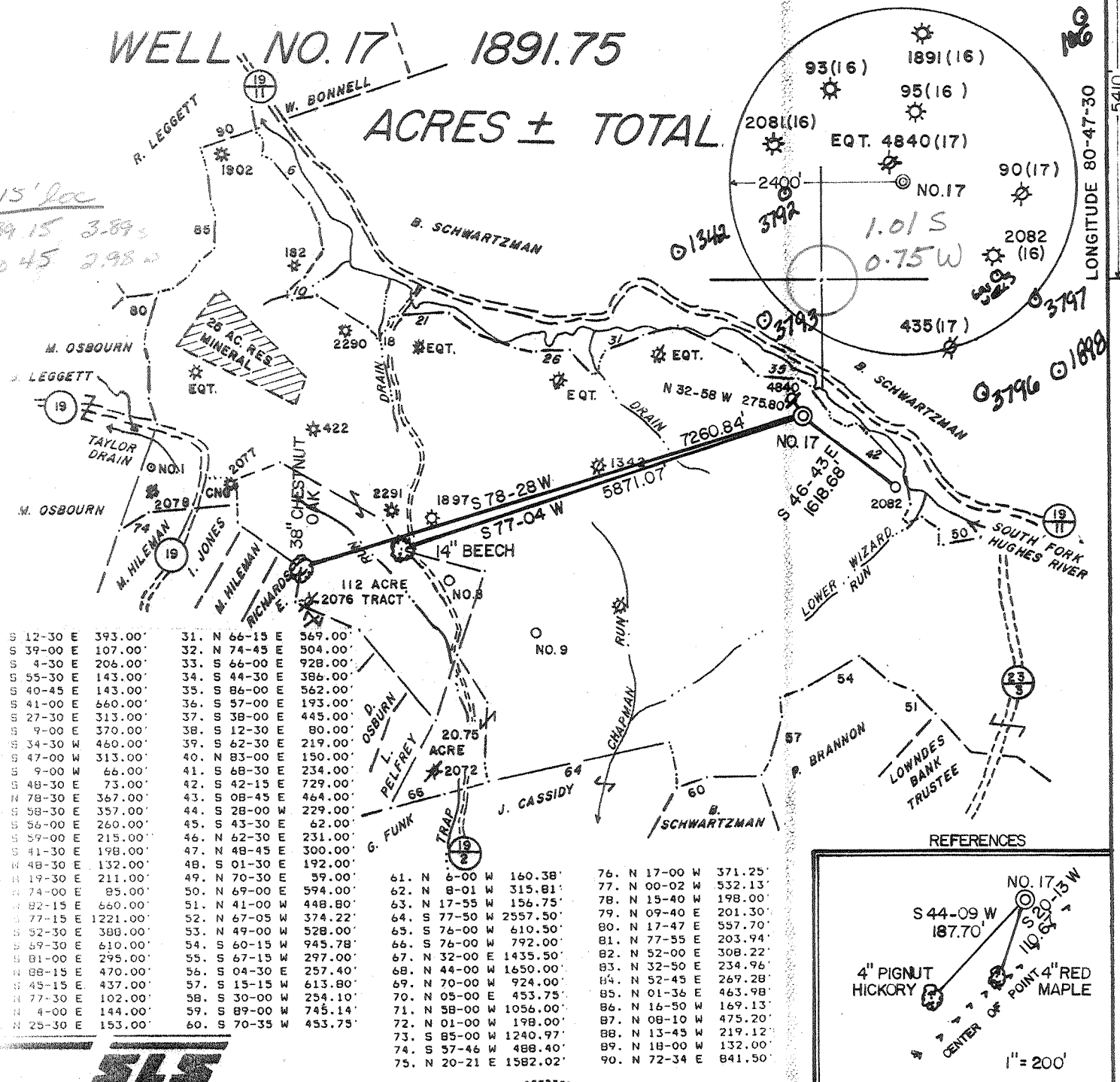


Janice 3/1/90

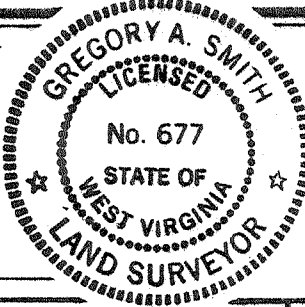
# BLAUSER/W.B. MAXWELL LEASE

## WELL NO. 17 1891.75 ACRES ± TOTAL

15' loc  
39 15 3.89  
20 45 2.98



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.



*Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JANUARY 2, 19 90  
 OPERATORS WELL NO BLAUSER/W.B. MAXWELL  
 WELL NO. 17  
 WVDODO0117  
 API WELL NO. 47 - 017 - 3795  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-40)  
 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  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1067' WATERSHED SOUTH FORK HUGHES RIVER  
 DISTRICT SOUTH WEST 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. WV01918-\*  
 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 5158'

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

RECEIVED

AUG 27 90

Permitting  
Oil and Gas Section

API # 47- 17-03795

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#17 W.B.

LOCATION: Elevation: 1067.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 5410 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 3990 Feet West of 80 Deg. 47 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: 03/07/90  
Well work Commenced: 06/06/90  
Well work Completed: 06/29/90  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable Rig  
Total Depth (feet) 5203'  
Fresh water depths (ft) 123'

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 115'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1243.50'	1243.50'	C.T.S.
4-1/2"	5097.05'	5097.05'	903
1-1/2"	---	5067.70'	---

OPEN FLOW DATA

Alexander, Benson/3rd Riley,

Producing formation Riley, Balltown (Commingled) Pay zone depth (ft) 5021'-3881'  
Gas: Initial open flow 825 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 620 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1080 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

SEP 6 1990

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

4-STAGE FOAM FRAC

- Stage 1: Alexander - 13 holes (5021'-4985') Breakdown 3460 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 564,565 scf of N<sub>2</sub>
- Stage 2: Benson/3rd Riley - 12 holes (4720.5'-4642') Breakdown 1870 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5000 lbs 80/100 sand, 32,100 lbs 20/40 sand, 500 gals 15% HCl, 459,275 scf of N<sub>2</sub>
- Stage 3: Riley - 16 holes (4312.5'-4302.5') Breakdown 2000 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5000 lbs 80/100 sand, 59,000 lbs 20/40 sand, 500 gals 15% HCl, 602,375 scf of N<sub>2</sub>
- Stage 4: Balltown - 13 holes (4077'-3881') Breakdown 1720 psi, 70 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 64,800 lbs 20/40 sand, 500 gals 15% HCl, 716,575 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	
Sand and Shale			10	15	1/2" Stream water @ 123'
Sand			15	57	
Sand and Shale			57	82	
Shale			82	115	<u>GAS CHECKS:</u>
Coal			115	121	1765' - 30/10 thru 2" w/water
Sand and Shale			121	175	1796' - 20/10 thru 2" w/water
Red Rock and Shale			175	222	1950' - 38/10 thru 2" w/water
Sand and Shale			222	425	2202' - 38/10 thru 2" w/water
Shale			425	490	2604' - 28/10 thru 2" w/water
Sand and Shale			490	920	3071' - 20/10 thru 2" w/water
Sand			920	1070	3323' - 44/10 thru 2" w/water
Shale			1070	1265	3819' - 30/10 thru 2" w/water
Sand and Shale			1265	1703	4197' - 30/10 thru 2" w/water
Little Lime			1703	1714	4418' - 30/10 thru 2" w/water
Sand and Shale			1714	1746	4607' - 30/10 thru 2" w/water
Big Lime			1746	1805	4763' - 30/10 thru 2" w/water
Big Injun			1805	1875	4921' - 30/10 thru 2" w/water
Sandy Shale			1875	2036	5050' - 30/10 thru 2" w/water
Weir			2036	2157	T.D. - 30/10 thru 2" w/water
Shale and Sandy Shale			2157	2237	D.C. - 30/10 thru 2" w/water
Berea			2237	2232	
Shale with Minor Sand			2242	3088	
Warren			3088	3148	
Shale with Minor Sand			3148	4286	
Riley			4286	4324	
Shale with Minor Sand			4324	4630	
3rd Riley			4630	4674	
Shale			4674	4716	
Benson			4716	4751	
Shale with Sand			4751	4964	
Alexander			4964	5065	
Shale with Minor Sand			5065	5203 T.D.	

10/13/17

(Attach separate sheets as necessary)

017 3795  
 Issued 3/7/90  
 Expires 3/7/92 Page 3 of 12

FORM WW-2B

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: Blausen/W.B. Maxwell #17 3) Elevation: 1067'  
 WVDOD001117
- 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: 5158 feet
- 7) Approximate fresh water strata depths: 190' <sup>444' 421'</sup>
- 8) Approximate salt water depths: None <sup>1184' 1239'</sup>
- 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	Fill-up (cu. ft.)
Conductor	11 "	F-25	37.5	30'	-----	
Fresh Water	8-5/8"	J-55	20.0	1217'	1217'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	5075'	5075'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

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 FEB 14 1990

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_  
 DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

898/2  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond 50 Surety  Agent  
 (Type)

Page 1 of 12  
Form WW2-A  
(09/87)  
File Copy

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**FEB 14 1990**

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1)  
2)  
3)

Date: January 15, 1990  
Operator's well number  
Blauser/W.B. Maxwell #17 - WVDOD001117  
API Well No: 47 - 017 - 3795  
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 Beatrice Schwartzman  
Address 2520 30th Street, N.W.  
Washington, DC 20008  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304)-782-1043

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
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:

- \_\_\_\_\_ 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 30th day of January, 1990

My commission expires July 2, 1996 *Jo Lorraine Rowe* Notary Public