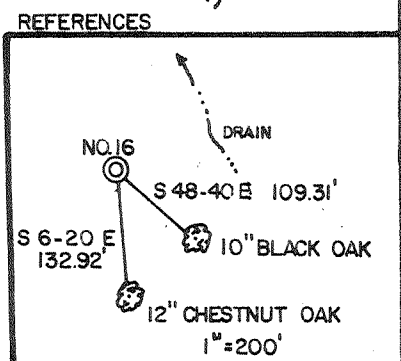
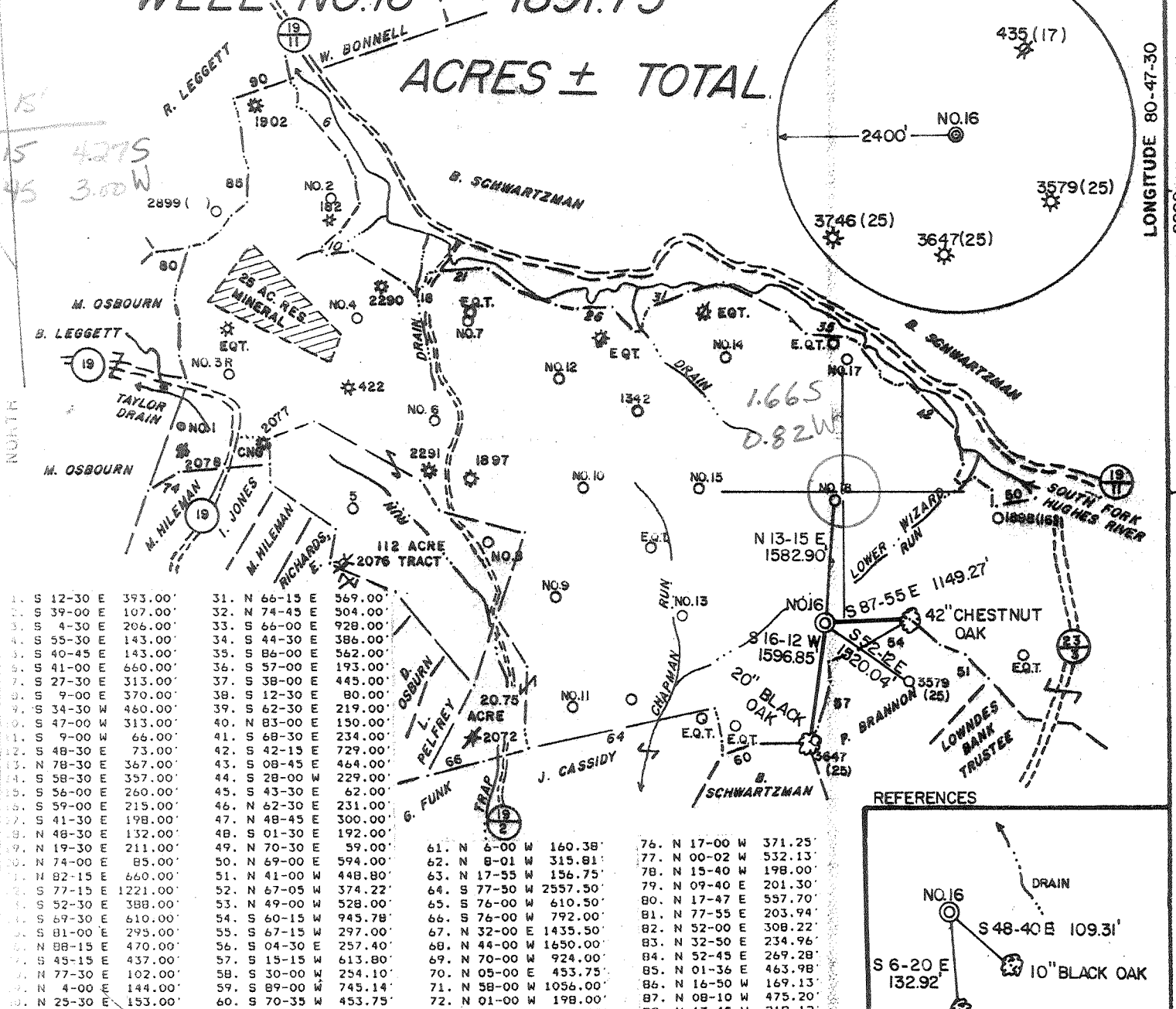


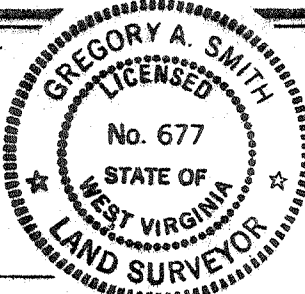
BLAUSER/W.B. MAXWELL LEASE

WELL NO. 16 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.L.S. 677 Gregory A. Smith

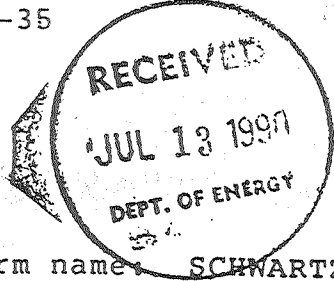
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 2, 19 90
 OPERATORS WELL NO. BLAUSER/W.B. MAXWELL
 WELL NO. NO. 16
 API WELL NO. 47 - 017 - 3787
 STATE 017 COUNTY 017 PERMIT 3787

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-42)
 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 1130' WATERSHED CHAPMAN RUN
 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. 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 5235'

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



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#16 W.

LOCATION: Elevation: 1130.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 8890 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude: 4390 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: 02/09/90
Well work Commenced: 04/30/90
Well work Completed: 05/04/90
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5307'
Fresh water depths (ft) 112'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1305'	1305'	C.T.S.
4-1/2"	5261.45'	5261.45'	556

OPEN FLOW DATA

Speechley-Warren (Commingled)

Producing formation Alexander/Benson-3rd Riley/Riley/ Pay zone depth (ft) 5138'-3216'
Gas: Initial open flow 610 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 420 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 960 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.

By: Rich Heffelfinger, Vice President - Regional Operations
Date: July 6, 1990

JUL 20 1990

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

4-STAGE FOAM FRAC.

Stage 1: Alexander - 20 holes (5138'-5069.5') Breakdown 1780 psi, 65 Quality foam, 30 lbs/1000 gals Gel, 90,000 lbs 20/40 sand, 500 gals 15% HCl, 735,600 scf of N₂

Stage 2: Benson/3rd Riley - 12 holes (4803.5'-4719.5') Breakdown 1450 psi, 65 Quality foam, 30 lbs/1000 gals Gel, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 556,200 scf of N₂

Stage 3: Riley - 20 holes (4404'-4387.5') Breakdown 1810 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 37,000 lbs 20/40 sand, 500 gals 15% HCl, 483,300 scf of N₂, screened out with 24 bbls flush to go

Stage 4: Speechley/Warren - 14 holes (3337.5'-3216.5') Breakdown 1220 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 60,000 lbs 20/40 sand, 650 gals 28% HCl, 555,600 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
Soil			0	15	1/2" stream of water @ 112'
Sand and Shale			15	50	
Sand, Shale and Red Rock			50	160	
Red Rock			160	202	
Sand and Shale			202	310	1795' No show
Sand			310	349	1922' - No show
Sand, Shale and Red Rock			349	451	2112' - No show
Red Rock			451	480	2428' - No show
Sand			480	490	2807' - No show
Sand and Shale			490	600	3093' - No show
Red Rock and Shale			600	735	3249' - No show
Sand and Shale			735	880	3407' - No show
Sand			880	930	3916' - No show
Sand and Shale			930	1070	4296' - No show
Black Shale			1070	1110	4517' - No show
Sand and Shale			1110	1130	4771' - 4/10 thru 1" w/water
Red Rock			1130	1175	4992' - 4/10 thru 1" w/water
Sand and Shale			1175	1310	5213' - 6/10 thru 1" w/water
Sand			1310	1335	T.D. - 6/10 thru 1" w/water
Sand and Shale			1335	1788	D.C. - 4/10 thru 1" w/water
Little Lime			1788	1806	
Sand and Shale			1806	1892	
Big Lime			1892	1922	
Big Injun			1922	1969	
Shale with Trace of Sand			1969	2121	
Weir			2121	2244	
Shale			2244	2320	
Berea			2320	2329	
Shale with Trace of Sand			2329	3182	
Warren			3182	3237	
Shale			3237	4363	
Riley			4363	4426	
Shale			4426	4713	
3rd Riley			4713	4744	
Shale			4744	4798	
Benson			4798	4834	
Sand and Shale			4834	5042	
Alexander			5042	5154	
Shale with trace of Sand			5134	5309 T.D.	

(Attach separate sheets as necessary)

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

- 1) Well Operator: Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #16 3) Elevation: 1130'
WVDOD001116
- 4) Well type: (a) Oil / or Gas XX/
(b) If Gas: Production XX/ Underground Storage /
Deep / Shallow XX/
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5235 feet
- 7) Approximate fresh water strata depths: 121', 890'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 211'-214'
- 10) Does land contain coal seams tributary to active mine? Yes / No XX/
- 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	1280'	1280'	C.T.S. 38CSR18-11.3 38CSR18-11.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	5150'	5150'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

RECEIVED
JAN 22 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

8967

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

Plat WW-9 WW-2B Bond Blanket Sure Agent

(Type)

RECEIVED
JAN 22 1990
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: January 19, 1990
2) Operator's well number
Elouser/W.B. Maxwell #16 - WVDOD001116
3) API Well No: 47 - 017 - 3787
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:</p> <p>(a) Name <u>Beatrice Schwartzman</u>
Address <u>2520 30th Street, N.W.</u>
<u>Washington, DC 20008</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Rt. 2, Box 135</u>
<u>Salem, WV 26426</u>
Telephone (304)- <u>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 19th day of January, 19 90

My commission expires _____ *J. Perrine Houe* Notary Public
July 2, 1996