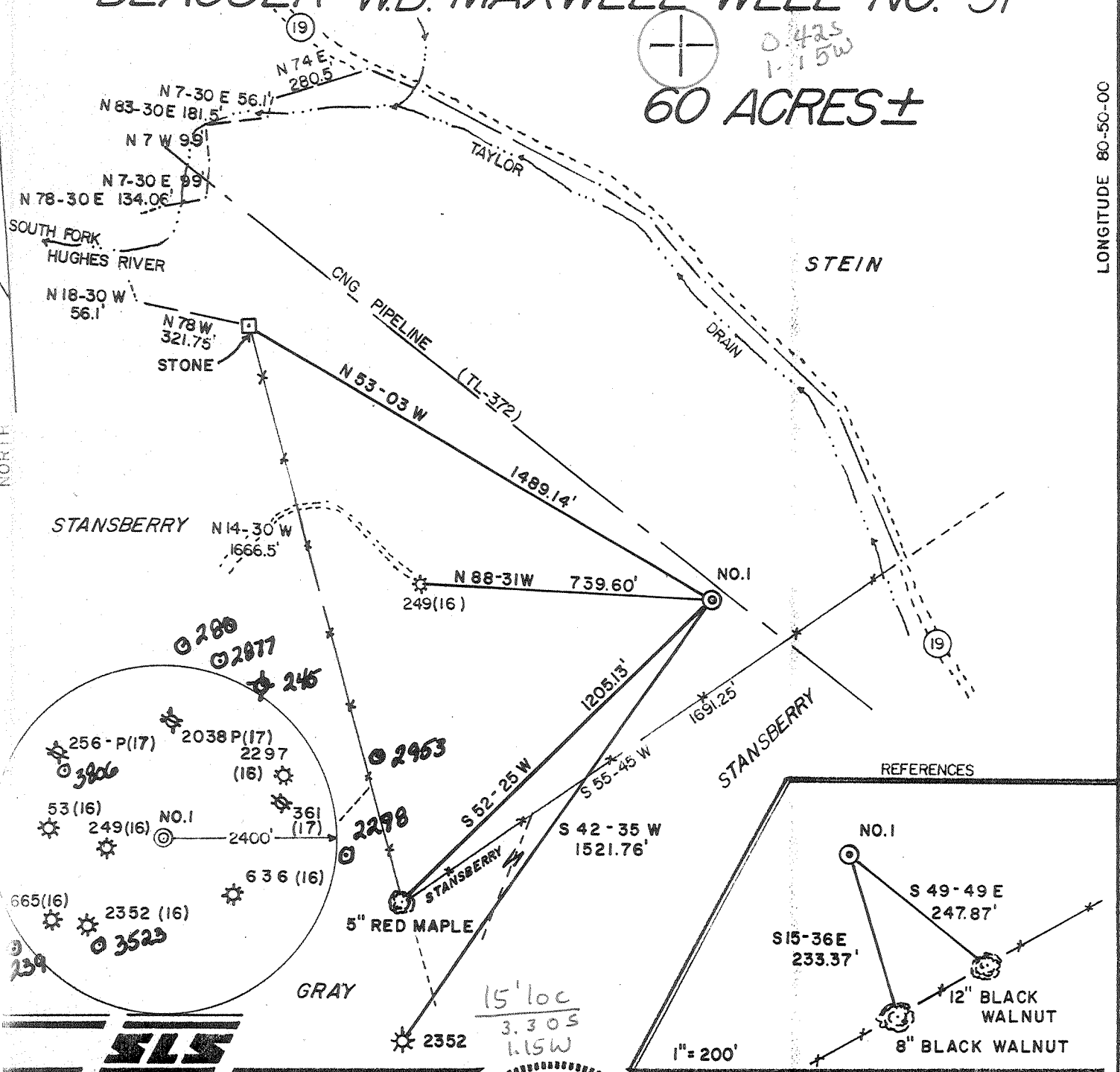


3/19/90  
Jemie

# BLAUSER-W.B. MAXWELL LEASE BLAUSER-W.B. MAXWELL WELL NO. 31

0.425  
1.15W  
**60 ACRES ±**



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 DECEMBER 22, 19 89  
 OPERATORS WELL NO. W.B. MAXWELL NO. 31  
 WVDOD001131  
 API WELL NO. 47-017-3805  
 STATE COUNTY PERMIT

L.L.S. 677 Gregory A. Smith  
 MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082(30-53)  
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 853' SCALE 1"=400'

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 1006' WATERSHED TAYLOR DRAIN Holbrook NC  
 DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'  
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE 60 OF 4583.2  
 ROYALTY OWNER W.B. MAXWELL HRS. ET AL. LEASE ACREAGE 60 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 5220'

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

COUNTY NAME PERMIT

**AUG 27 00**  
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 31 W.B

LOCATION: Elevation: 1006.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 2320 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 6120 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD  
Permit Issued: 04/12/90  
Well work Commenced: 06/24/90  
Well work Completed: 07/12/90  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5378'  
Fresh water depths (ft) 40', 265'

Salt water depths (ft) 1443'

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 170', 232'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1192.20'	1192.20'	C.T.S.
4-1/2"	5228.55'	5228.55'	903
1-1/2"	---	5015'	---

OPEN FLOW DATA

Alexander, 3rd Riley, 5109'-  
Producing formation Riley (Commingled) Pay zone depth (ft) 4393.5'  
Gas: Initial open flow 835 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 1480 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 15, 1990

SEP 6 1990

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

3-STAGE FOAM FRAC:

Stage 1: Alexander - 14 holes (5109'-5065') Breakdown 2630 psi, 65 Quality Foam, 20 lbs/1000 gals Gel, 72,300 lbs 20/40 sand, 500 gals 15% HCl, 1,175,000 scf of N<sub>2</sub>

Stage 2: Benson/3rd Riley - 12 holes (4802'-4738.5') Breakdown 1200 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, 682,000 scf of N<sub>2</sub>

Stage 3: Riley - 18 holes (4424.5'-4393.5') Breakdown 1820 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 58,700 lbs 20/40 sand, 500 gals 15% HCl, 690,000 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/Clay			0	30	1/2" stream water @ 40'
Sand			30	55	Hole damp @ 50'
Shale			55	87	1/2" stream water @ 265'
Sand			87	124	Hole damp @ 1443'
Shale and Sand			124	170	
Coal			170	174	
Red Rock and Shale			174	232	<u>GAS CHECKS:</u>
Coal			232	236	1860' - No show
Sand and Shale			236	355	1952' - No show
Red Rock and Shale			355	426	2078' - 2/10 thru 2" w/water
Sand and Shale			426	605	2355' - 8/10 thru 1" w/water
Shale			605	1232	2825' - 8/10 thru 1" w/water
Sand and Shale			1232	1874	3160' - 40/10 thru 2" w/water
Big Lime			1874	1930	3350' - 50/10 thru 2" w/water
Big Injun			1930	2006	3850' - 70/10 thru 2" w/water
Sand and Shale			2006	2170	4315' - 50/10 thru 2" w/water
Weir			2170	2300	4505' - 50/10 thru 2" w/water
Shale			2300	2361	4693' - 70/10 thru 2" w/water
Berea			2361	2366	4850' - 60/10 thru 2" w/water
Shale with Minor Sand			2366	3242	5006' - 55/10 thru 2" w/water
Warren			3242	3289	5192' - 60/10 thru 2" w/water
Sand and Shale			3289	4384	T.D. - 26/10 thru 2" w/water
Riley			4384	4431	D.C. - 24/10 thru 2" w/water
Sandy Shale and Shale			4431	4728	
3rd Riley			4728	4752	
Shale			4752	4798	
Benson			4798	4803	
Shale with Minor Sand			4803	5044	
Alexander			5044	5128	
Shale with Minor Sand			5128	5378 T.D.	

103/13

Issued 4/12/90  
 Expired 4/12/92  
 47-017-3805  
 Page 3 of 8

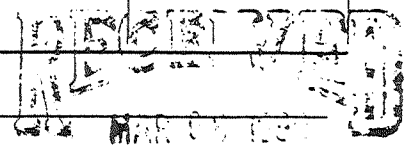
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #31 3) Elevation: 1006'  
 WVDOD001131
- 4) Well type: (a) Oil  / or Gas  /  
 (b) If Gas: Production  / Underground Storage  /  
 Deep  / Shallow  /
- 5) Proposed Target Formation(s): Alexander 424
- 6) Proposed Total Depth: 5220 feet
- 7) Approximate fresh water strata depths: 84,280
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 380-83, 675-76
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill and complete new well.
- 12) *Drill & Stimulate New Well*

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	1160	1160	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	5135	5125	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

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



CE # 10175  
 For Division of Oil and Gas Use Only DEPARTMENT OF ENERGY

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

Page 1 of 5  
Form WW2-A  
(09/87)  
File Copy

1) Date: March 26, 1990  
2) Operator's well number  
Blauser/W.B. Maxwell #31 - WVDOD001131  
3) API Well No: 47 - 017 - 3805  
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, NW</u> <u>Washington, DC 20008</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator: Name <u>None</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration Name _____ Address _____</p> <p>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 5 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 March, 1990

My commission expires July 2, 1996 *John D. ...* Notary Public