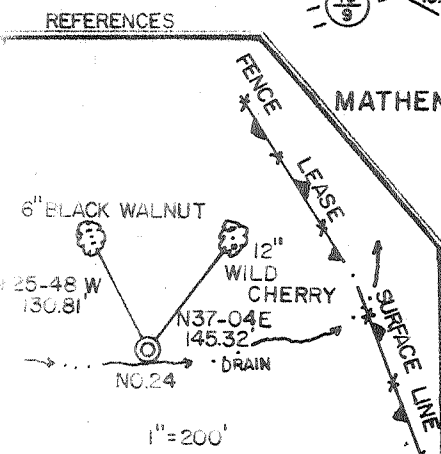
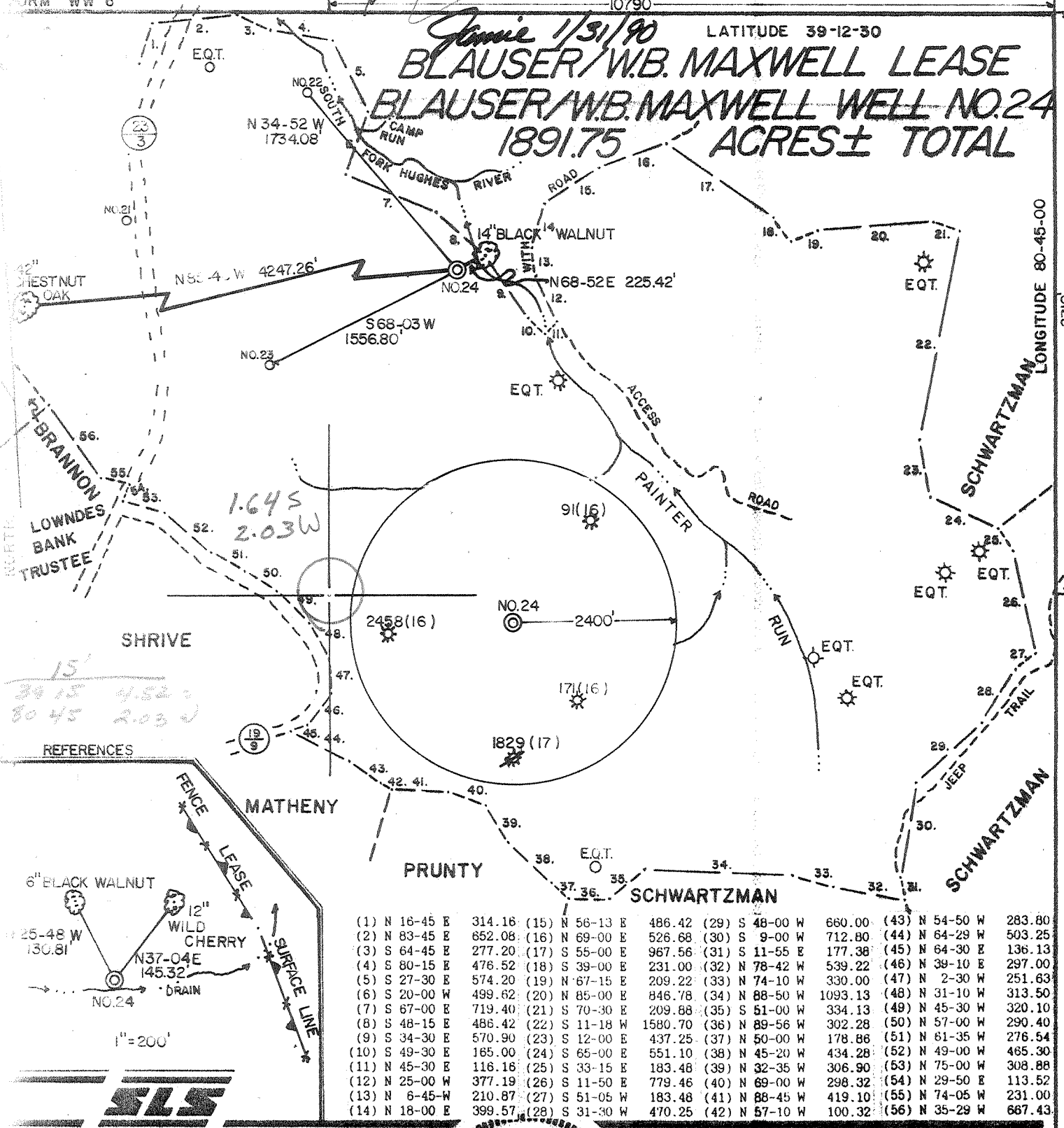
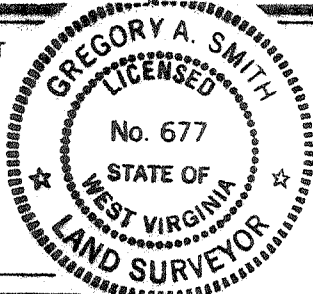


*Janie 1/31/90*  
**BLAUSER/W.B. MAXWELL LEASE**  
**BLAUSER/W.B. MAXWELL WELL NO. 24**  
**1891.75 ACRES ± TOTAL**



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 12, 19 90  
 OPERATORS WELL NO. BLAUSER/W.B. MAXWELL  
 WELL NO. 24  
 WVDOD01124  
 API WELL NO. 47 - 017 - 3789  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-43)  
 PROVEN SOURCE OF ELEVATION TOP KNOB ELEV. 1291' SCALE 1"=1000'

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 912' WATERSHED PAINTER RUN

DISTRICT SOUTH WEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE P/O 1255.4 OF 4583.2

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

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 5000'

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

AUG 27 1990  
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#24 W.B.

LOCATION: Elevation: 912.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 8710 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 10790 Feet West of 80 Deg. 45 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: 02/09/90  
Well work Commenced: 07/06/90  
Well work Completed: 07/28/90  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5075'  
Fresh water depths (ft) 75', 100', 160',  
377'  
Salt water depths (ft) 1243'

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"	1077.55'	1077.55'	C.T.S.
4-1/2"	4987.35'	4987.35'	419'
1-1/2"	---	4800.65'	---

OPEN FLOW DATA

(Commingled)

Producing formation Alexander, Benson/3rd Riley Pay zone depth (ft) 4889'-4464'  
Gas: Initial open flow 935 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 720 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1410 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.  
2-STAGE FOAM FRAC

Stage 1: Alexander - 14 holes (4889'-4835') Breakdown 2010 psi, 20 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 550,000 scf of N<sub>2</sub>

Stage 2: Benson/3rd Riley - 16 holes (4554.5'-4464') Breakdown 3800 psi, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 675,000 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			0	10	1/2" stream water @ 75'
Sand			10	25	1/2" stream water @ 100'
Clay and Red Rock			25	50	1/2" stream water @ 160'
Sand, Shale and Red Rock			50	90	4" stream water @ 377'
Sand			90	100	Hole Wet @ 1243'
Sand and Shale			100	113	
Sand			113	145	
Sand and Shale			145	168	<u>GAS CHECKS:</u>
Sand			168	180	1300' - No show
Sand, Shale and Red Rock			180	928	1550' - No show
Sand			928	954	1675' - No show
Sand and Shale			954	1050	1801' - 2/10 thru 2" w/water
Sand			1050	1114	2021' - 10/10 thru 2" w/water
Shale			1114	1516	2429' - 13/10 thru 2" w/water
Lime			1516	1536	2865' - 40/10 thru 2" w/water
Sand and Shale			1536	1583	2990' - 40/10 thru 2" w/water
Big Lime			1583	1654	3516' - 30/10 thru 2" w/water
Big Injun			1654	1716	3826' - 20/10 thru 2" w/water
Sand and Shale			1716	1864	4014' - 10/10 thru 2" w/water
Weir			1864	1980	4172' - 10/10 thru 2" w/water
Shale			1980	2063	4421' - 10/10 thru 2" w/water
Berea			2063	2071	4483' - 8/10 thru 2" w/water
Shale with Minor Sand			2071	2916	4638' - 10/10 thru 2" w/water
Warren			2916	2967	4918' - 8/10 thru 2" w/water
Shale with Minor Sand			2967	4102	T.D. - 14/10 thru 2" w/water
Riley			4102	4164	D.C. - 4/10 thru 2" w/water
Shale			4164	4454	
3rd Riley			4454	4490	
Shale			4490	4551	
Benson			4551	4556	
Sand and Shale			4556	4800	
Alexander			4800	4902	
Shale with Minor Sand			4902	5075 T.D.	

(Attach separate sheets as necessary)

017-3789  
 Issued 2/19/90  
 Expires 2/19/92  
 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 #24 3) Elevation: 912'  
WVDOD001124
- 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: 5000 feet
- 7) Approximate fresh water strata depths: 60'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 230'-232'
- 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	1062'	1062'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	4900'	4900'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

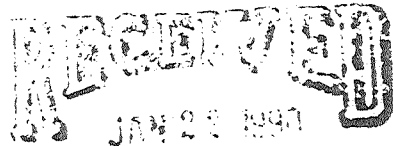
**RECEIVED**  
 JAN 22 1990

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

DIVISION OF OIL AND GAS  
 DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

19969 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket Sure Agent  
 (Type)



1) Date: January 19, 1990  
2) Operator's well number  
Blauser/W.B. Maxwell #24 - WVDOD001124  
3) API Well No: 47 - 017 - 3789  
State - County - Permit

DIVISION OF OIL AND GAS  
DEPARTMENT OF ENERGY  
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 \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name None  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304)- 782-1043

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 8 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  
 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, 1990

Jo Lorraine Lewis Notary Public  
 My commission expires July 2, 1996