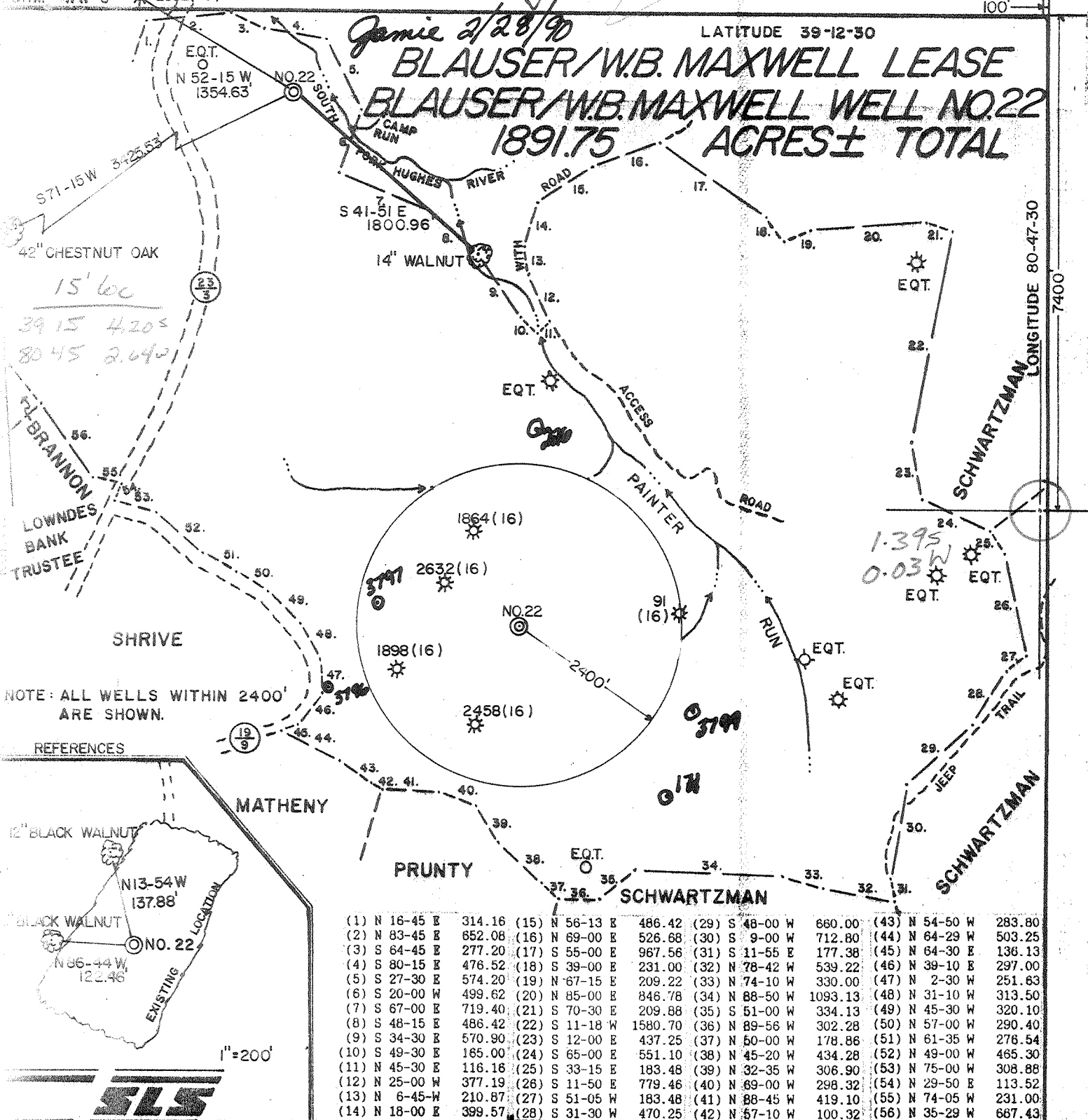
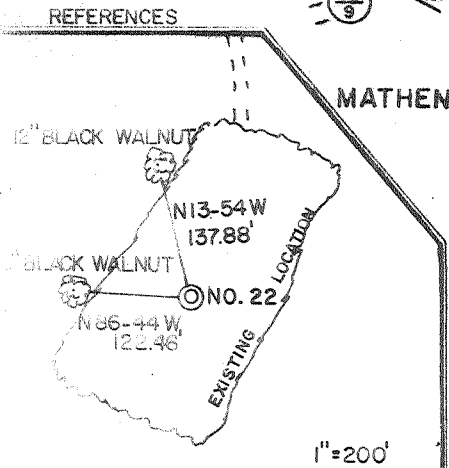


*Jamie 2/28/90*  
**BLAUSER/W.B. MAXWELL LEASE**  
**BLAUSER/W.B. MAXWELL WELL NO. 22**  
**1891.75 ACRES ± TOTAL**

LATITUDE 39-12-30

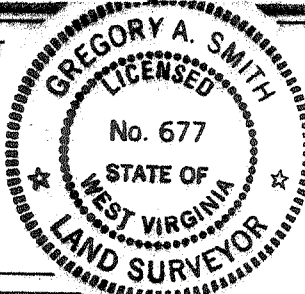


NOTE: ALL WELLS WITHIN 2400' ARE SHOWN.



(1) N 16-45 E 314.16	(15) N 56-13 E 486.42	(29) S 48-00 W 660.00	(43) N 54-50 W 283.80
(2) N 83-45 E 652.08	(16) N 69-00 E 526.68	(30) S 9-00 W 712.80	(44) N 64-29 W 503.25
(3) S 64-45 E 277.20	(17) S 55-00 E 967.56	(31) S 11-55 E 177.38	(45) N 64-30 E 136.13
(4) S 80-15 E 476.52	(18) S 39-00 E 231.00	(32) N 78-42 W 539.22	(46) N 39-10 E 297.00
(5) S 27-30 E 574.20	(19) N 67-15 E 209.22	(33) N 74-10 W 330.00	(47) N 2-30 W 251.63
(6) S 20-00 W 499.62	(20) N 85-00 E 846.78	(34) N 88-50 W 1093.13	(48) N 31-10 W 313.50
(7) S 67-00 E 719.40	(21) S 70-30 E 209.88	(35) S 51-00 W 334.13	(49) N 45-30 W 320.10
(8) S 48-15 E 486.42	(22) S 11-18 W 1580.70	(36) N 89-56 W 302.28	(50) N 57-00 W 290.40
(9) S 34-30 E 570.90	(23) S 12-00 E 437.25	(37) N 50-00 W 178.86	(51) N 61-35 W 278.54
(10) S 49-30 E 165.00	(24) S 65-00 E 551.10	(38) N 45-20 W 434.28	(52) N 49-00 W 465.30
(11) N 45-30 E 116.16	(25) S 33-15 E 183.48	(39) N 32-35 W 306.90	(53) N 75-00 W 308.88
(12) N 25-00 W 377.19	(26) S 11-50 E 779.46	(40) N 89-00 W 298.32	(54) N 29-50 E 113.52
(13) N 6-45-W 210.87	(27) S 51-05 W 183.48	(41) N 88-45 W 419.10	(55) N 74-05 W 231.00
(14) N 18-00 E 399.57	(28) S 31-30 W 470.25	(42) N 57-10 W 100.32	(56) N 35-29 W 667.43

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 JANUARY 10, 19 90  
OPERATORS WELL NO. BLAUSER/W.B. MAXWELL  
WELL NO. 22  
WVDOD001122  
API WELL NO. 47 - 017 - 3798  
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 929' WATERSHED SOUTH FORK HUGHES RIVER 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: 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

RECEIVED

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#22 W.B.

LOCATION: Elevation: 929.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 7400 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 100 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: 07/12/90  
Well work Completed: 07/28/90  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5176'  
Fresh water depths (ft) 110', 200'

Salt water depths (ft) 1208', 1238'

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
8-5/8"	1096.30'	1096.30'	C.T.S.
4-1/2"	5009.55'	5009.55'	942

OPEN FLOW DATA

(Commingled) 4911'-  
Producing formation Alexander, Benson/3rd Riley Pay zone depth (ft) 4487.5'  
Gas: Initial open flow 810 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 1305 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 '90

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

2-STAGE FOAM FRAC

Stage 1: Alexander - 14 holes (4911' - 4856') Breakdown 2280 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 540,000 scf of N<sub>2</sub>

Stage 2: Benson/3rd Riley - 17 holes (4575'-4487.5') Breakdown 2180 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, 653,000 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 @ 110'
Sand and Clay			10	25	1/2" stream water @ 200'
Sand and Shale			25	50	1" stream water @ 436'
Red Rock and Shale			50	98	1/2" stream water @ 1208'
Shale			98	113	1" stream water @ 1238'
Sand			113	205	
Sand, Shale and Red Rock			205	256	
Sand			256	264	<u>GAS CHECKS:</u>
Sand, Shale and Red Rock			264	1176	1613' - No show
Sand and Shale			1176	1552	1768' - No show
Little Lime			1552	1562	2050' - No show
Sand and Shale			1562	1598	2205' - No show
Big Lime			1598	1660	2422' - Odor
Big Injun			1660	1728	2708' - Odor
Shale			1728	1878	2923' - Odor
Weir			1878	1996	3112' - Odor
Shale and Sandy Shale			1996	2080	3613' - No show
Berea			2080	2088	4052' - No show
Shale with Minor Sand			2088	2958	4427' - Odor
Warren			2958	2988	4615' - No show
Shale with Minor Sand			2988	4130	4772' - No show
Riley			4130	4181	4959' - MIS
Shale and Sandy Shale			4181	4476	T.D. - 2/10 thru 2" w/water
3rd Riley			4476	4512	D.C. - 2/10 thru 2" w/water
Shale			4512	4570	
Benson			4570	4574	
Shale			4574	4820	
Alexander			4820	4921	
Shale and Sandy Shale			4921	5176 T.D.	

(Attach separate sheets as necessary)

017-3798  
 Issued 3/7/90  
 Expires 3/7/92  
 Page 3 of 8

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

- 1) Well Operator: 259 Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #22 WVD0001122 3) Elevation: 929'
- 4) Well type: (a) Oil  / or Gas  /  
 (b) If Gas: Production  / Underground Storage   
 Deep  / Shallow
- 5) Proposed Target Formation(s): 439 Alexander
- 6) Proposed Total Depth: 5000 feet
- 7) Approximate fresh water strata depths: 60,679 ? 250'-310'
- 8) Approximate salt water depths: None 1199'
- 9) Approximate coal seam depths: None 247'-249'
- 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	- C.T.S.	
Fresh Water	8 5/8"	J-55	20.0	1080	1080 OK by Mr. Underwood	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	4910	4910	38CSR18-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

RECEIVED  
 FEB 15 1990

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

For Division of Oil and Gas Use Only

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

**RECEIVED**  
**FEB 15 1990**  
1)  
2)  
3)  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: January 30, 1990  
Operator's well number  
Blauser/W.B. Maxwell #22 - WVDOD001122  
API Well No: 47 - 017 - 3798  
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 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 *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  
Jo Lorraine Lowe Notary Public  
My commission expires July 2, 1996