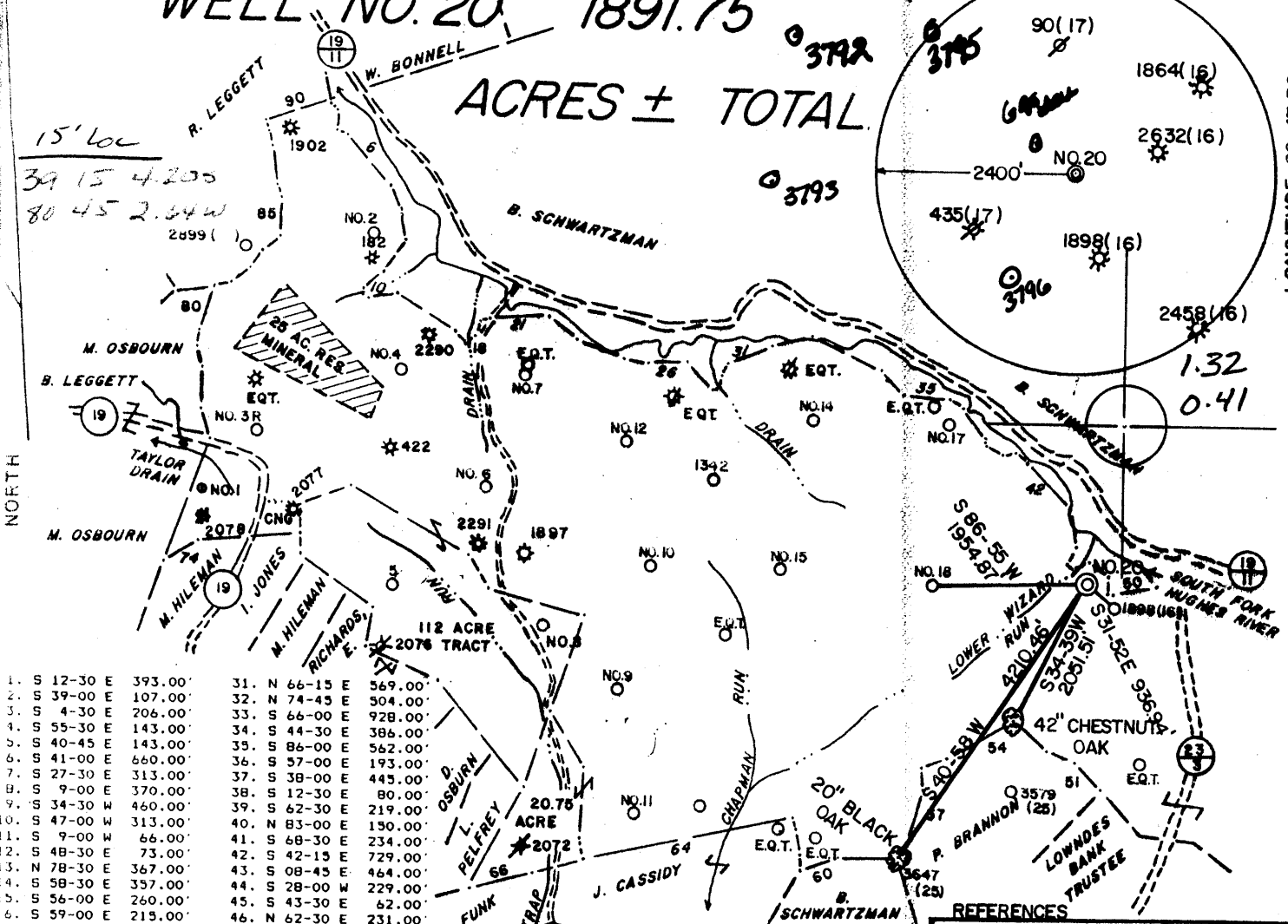


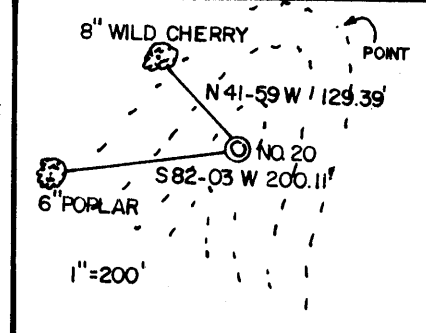
# Blause 3/1/90 BLAUSER/W.B. MAXWELL LEASE

## WELL NO. 20 1891.75 ACRES ± TOTAL

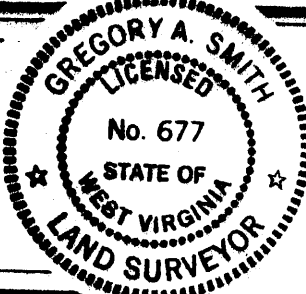
15' loc  
39 15 4.205  
80 45 2.64w  
2899 ( )



1. S 12-30 E 393.00'	31. N 66-15 E 569.00'	61. N 6-00 W 160.38'	76. N 17-00 W 371.25'
2. S 39-00 E 107.00'	32. N 74-45 E 304.00'	62. N 8-01 W 315.81'	77. N 00-02 W 532.13'
3. S 4-30 E 206.00'	33. S 66-00 E 928.00'	63. N 17-55 W 156.75'	78. N 15-40 W 198.00'
4. S 55-30 E 143.00'	34. S 44-30 E 386.00'	64. S 77-30 W 2557.50'	79. N 09-40 E 201.30'
5. S 40-45 E 143.00'	35. S 86-00 E 562.00'	65. S 76-00 W 610.50'	80. N 17-47 E 557.70'
6. S 41-00 E 660.00'	36. S 37-00 E 193.00'	66. S 60-15 W 792.00'	81. N 77-55 E 203.94'
7. S 27-30 E 313.00'	37. S 38-00 E 445.00'	67. N 32-00 E 1435.50'	82. N 52-00 E 308.22'
8. S 9-00 E 370.00'	38. S 12-30 E 80.00'	68. N 44-00 W 1650.00'	83. N 32-50 E 234.96'
9. S 34-30 W 460.00'	39. S 62-30 E 219.00'	69. N 70-00 W 924.00'	84. N 52-45 E 269.28'
10. S 47-00 W 313.00'	40. N 83-00 E 150.00'	70. N 05-00 E 453.75'	85. N 01-36 E 463.98'
11. S 9-00 W 66.00'	41. S 68-30 E 234.00'	71. N 58-00 W 1056.00'	86. N 16-50 W 169.13'
12. S 48-30 E 73.00'	42. S 42-15 E 729.00'	72. N 01-00 W 198.00'	87. N 08-10 W 475.20'
13. N 78-30 E 367.00'	43. S 08-45 E 464.00'	73. S 85-00 W 1240.97'	88. N 13-45 W 219.12'
14. S 58-30 E 357.00'	44. S 28-00 W 229.00'	74. S 37-46 W 488.40'	89. N 18-00 W 132.00'
15. S 56-00 E 260.00'	45. S 43-30 E 62.00'	75. N 20-21 E 1582.02'	90. N 72-34 E 841.50'
16. S 59-00 E 215.00'	46. N 62-30 E 231.00'		
17. S 41-30 E 198.00'	47. N 48-45 E 300.00'		
18. N 48-30 E 132.00'	48. S 01-30 E 192.00'		
19. N 19-30 E 211.00'	49. N 70-30 E 59.00'		
20. N 74-00 E 85.00'	50. N 69-00 E 594.00'		
21. N 82-15 E 660.00'	51. N 41-00 W 448.80'		
22. S 77-15 E 1221.00'	52. N 67-05 W 374.22'		
23. S 52-30 E 388.00'	53. N 49-00 W 528.00'		
24. S 69-30 E 610.00'	54. S 60-15 W 945.78'		
25. S 81-00 E 295.00'	55. S 67-15 W 297.00'		
26. N 88-15 E 470.00'	56. S 04-30 E 257.40'		
27. S 49-15 E 437.00'	57. S 15-10 W 613.80'		
28. N 77-30 E 102.00'	58. S 30-00 W 254.10'		
29. N 4-00 E 144.00'	59. S 89-00 W 745.14'		
30. N 25-30 E 153.00'	60. S 70-35 W 453.75'		



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.



G.A.S. Gregory A. Smith  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JANUARY 2, 19 90  
 OPERATORS WELL NO. BLAUSER/W.B. MAXWELL  
WELL NO. 20  
WVD0001120  
 API WELL NO. 47 - 017 - 3197  
 STATE COUNTY PERMIT

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 991' WATERSHED UPPER WIZZARD RUN  
 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: LEASE NO. WVO1918-1  
 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 5075'

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

RECEIVED  
 JUL 02 1990  
 DEPT. OF ENERGY

08-Mar-90  
 API # 47-17-03797

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#20 W.B.  
 LOCATION: Elevation: 991.00 Quadrangle: OXFORD  
 District: SOUTHWEST County: DODDRIDGE  
 Latitude: 7040 Feet South of 39 Deg. 12Min. 30 Sec.  
 Longitude 2200 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: 05/30/90  
 Well work Completed: 06/14/90  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_  
 Rotary  Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 5201'  
 Fresh water depths (ft) 70'  
 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"	1168.85'	1168.85'	C.T.S.
4-1/2"	5068.70'	5068.70'	916
1-1/2"	---	4886.60'	----

OPEN FLOW DATA

Riley (Commingle)  
 Producing formation Alexander/Benson/3rd Riley/ Pay zone depth (ft) 4975.5'-4207.5'  
 Gas: Initial open flow 795 MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 606 MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 15 Hours  
 Static rock Pressure 1010 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: June 25, 1990

JUL 6 1990

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

3-Stage Foam Frac

- Stage 1: Alexander - 13 holes (4975.5'-4909.5') Breakdown 1800 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 60,000 lbs. 20/40 sand, 500 gals 15% HCl, 465,000 scf of N<sub>2</sub>
- Stage 2: Benson/3rd Riley: 12 holes (4637.5'-4554') Breakdown 1650 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 30 lbs/1000 Gals Wac-9 in pad, 51,000 lbs 20/40 sand, 500 gals 15% HCl, 549,000 scf of N<sub>2</sub>
- Stage 3: Riley: 11 holes (4234.5'-4207.5') Breakdown 1500 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 40 lbs/1000 gals Wac-9 in pad, 13,600 lbs 20/40 sand, 500 gals 15% HCl and 616,000 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	5	
Red Rock and Shale			5	30	
Sand			30	70	
Sandy Shale			70	160	70' 1-1/2" stream water
Sand			160	240	555' 2" stream water
Sandy Shale			240	260	
Sand			260	340	
Sandy Shale			340	404	
Shale and Red Rock			404	560	<u>GAS CHECKS:</u>
Sand			560	710	1659' - No show
Sandy Shale			710	925	1751' - No show
Sand			925	960	1904' - 6/10 thru 2" w/water
Sandy Shale			960	1330	2120' - 8/10 thru 2" w/water
Sand			1330	1355	2612' - 32/10 thru 2" w/water
Sand and Shale			1355	1642	2951' - 12/10 thru 2" w/water
Little Lime			1642	1649	3105' - 14/10 thru 2" w/water
Shale			1649	1666	3601' - 20/10 thru 2" w/water
Big Lime			1666	1728	4094' - 18/10 thru 2" w/water
Big Injun			1728	1804	4308' - 20/10 thru 2" w/water
Shale and Sandy Shale			1804	1958	4462' - 24/10 thru 2" w/water
Wier			1958	2077	4553' - 24/10 thru 2" w/water
Shale with Trace Sand			2077	2158	4769' - 30/10 thru 2" w/water
Berea			2158	2164	5014' - 24/10 thru 2" w/water
Shale with Minor Sand			2164	3032	1 Tub down - 8/10 thru 2" w/water
Warren			3032	3066	D.C. - 6/10 thru 2" w/water
Shale with Minor Sand			3066	4200	
Riley			4200	4257	
Shale with Minor Sand			4257	4545	
3rd Riley			4545	4579	
Shale			4579	4633	
Benson			4633	4669	
Shale with Minor Sand			4669	4885	
Alexander			4885	4987	
shale with Minor Sand			4987	5201 T.D.	

(Attach separate sheets as necessary)

68101

017 3797  
 Issued 3/7/90  
 Page 3 of 9  
 Expires 3/7/92

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: Blauser/W.B. Maxwell #20 3) Elevation: 991'  
 WVDOD001120
- 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: 5075 feet
- 7) Approximate fresh water strata depths: 104', 741', 114', 264'
- 8) Approximate salt water depths: None 1108', 1163'
- 9) Approximate coal seam depths: 62'-65'
- 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	1145'	1145'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	4990'	4990'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

**RECEIVED**  
 FEB 14 1990

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

For Division of Oil and Gas Use Only

983  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Security  Agent  
 (Type)

*FILED*  
**FEB 14 1990**  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: January 29, 1990  
2) Operator's well number  
Blauser/W.B. Maxwell #20 - WVDOD001120  
3) API Well No: 47 - 017 - 3797  
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><br/>Address <u>2520 30th Street, N.W.</u><br/><u>Washington, DC 20008</u></p> <p>(b) Name _____<br/>Address _____</p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____<br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rt. 2, Box 135</u><br/><u>Salem, WV 26426</u><br/>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 9 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 Rowe* Notary Public  
My commission expires July 2, 1996