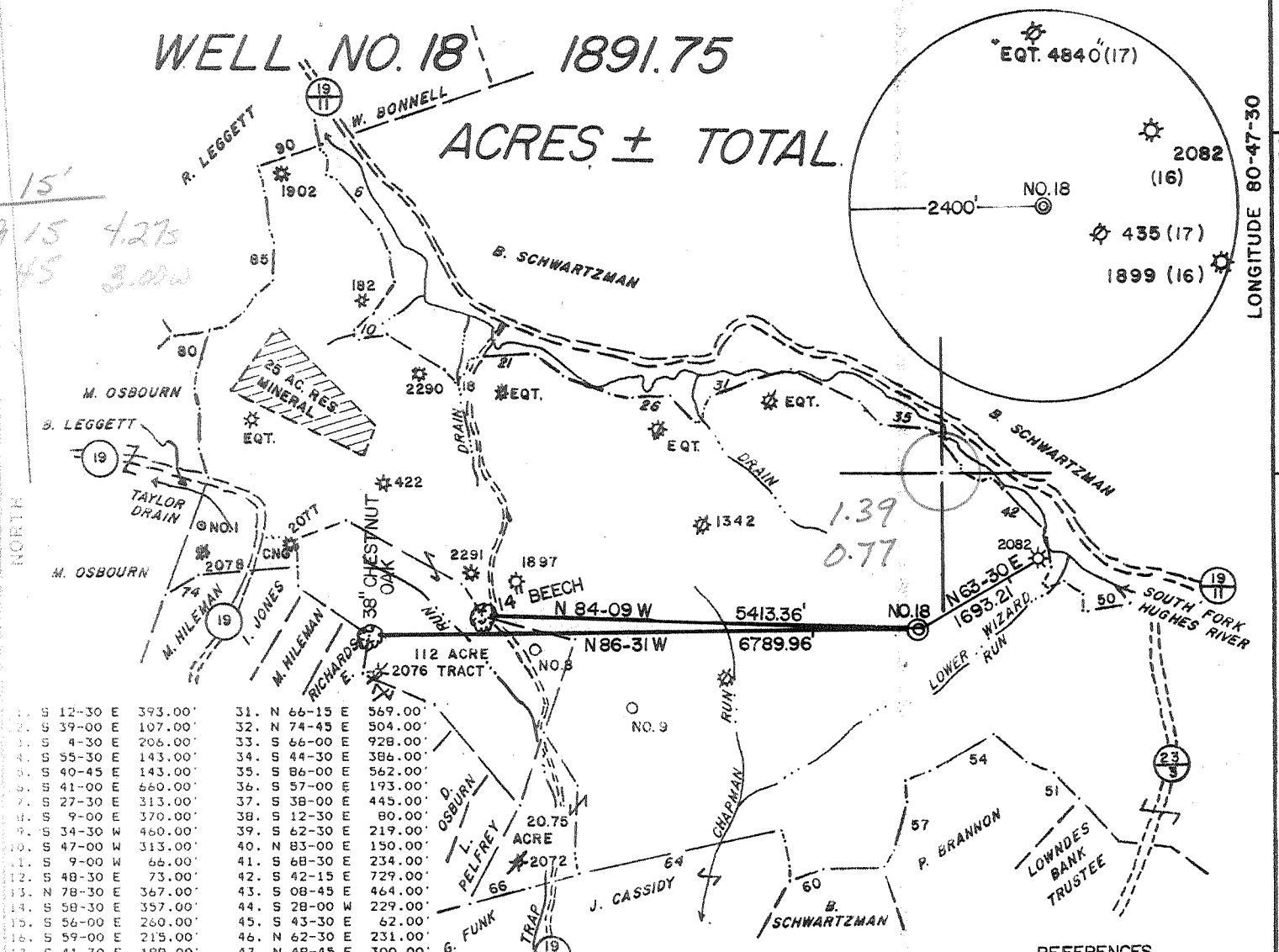


BLAUSER/W.B. MAXWELL LEASE

WELL NO. 18 1891.75

ACRES ± TOTAL

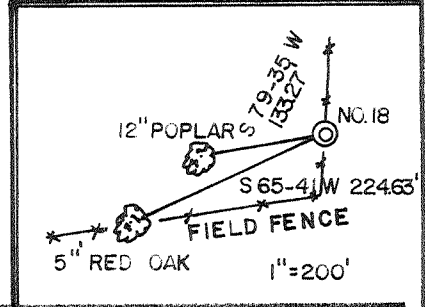
15'
39 15 4273
60 45 3.000



1. S 12-30 E 393.00'	31. N 66-15 E 569.00'
2. S 39-00 E 107.00'	32. N 74-45 E 504.00'
3. S 4-30 E 206.00'	33. S 66-00 E 928.00'
4. S 55-30 E 143.00'	34. S 44-30 E 386.00'
5. S 40-45 E 143.00'	35. S 86-00 E 562.00'
6. S 41-00 E 660.00'	36. S 57-00 E 193.00'
7. S 27-30 E 313.00'	37. S 38-00 E 445.00'
8. S 9-00 E 370.00'	38. S 12-30 E 80.00'
9. S 34-30 W 460.00'	39. S 62-30 E 219.00'
10. S 47-00 W 313.00'	40. N 83-00 E 150.00'
11. S 9-00 W 66.00'	41. S 68-30 E 234.00'
12. S 48-30 E 73.00'	42. S 42-15 E 729.00'
13. N 78-30 E 367.00'	43. S 08-45 E 464.00'
14. S 58-30 E 357.00'	44. S 28-00 W 229.00'
15. S 56-00 E 260.00'	45. S 43-30 E 62.00'
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 89-30 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 45-15 E 437.00'	57. S 15-15 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'

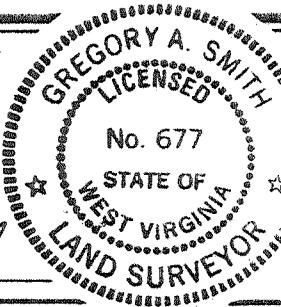
61. N 6-00 W 160.38'	76. N 17-00 W 371.25'
62. N 8-01 W 315.81'	77. N 00-02 W 532.13'
63. N 17-55 W 156.75'	78. N 15-40 W 198.00'
64. S 77-50 W 2557.50'	79. N 09-40 E 201.30'
65. S 76-00 W 610.50'	80. N 17-47 E 557.70'
66. S 76-00 W 792.00'	81. N 77-55 E 203.94'
67. N 32-00 E 1435.50'	82. N 52-00 E 308.22'
68. N 44-00 W 1650.00'	83. N 32-50 E 234.96'
69. N 70-00 W 924.00'	84. N 52-45 E 269.20'
70. N 05-00 E 453.75'	85. N 01-36 E 463.98'
71. N 58-00 W 1056.00'	86. N 16-50 W 169.13'
72. N 01-00 W 198.00'	87. N 08-10 W 475.20'
73. S 85-00 W 1240.97'	88. N 13-45 W 219.12'
74. S 57-46 W 488.40'	89. N 18-00 W 132.00'
75. N 20-21 E 1582.02'	90. N 72-34 E 841.50'

REFERENCES



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. 18
 WVDOD00118
 API WELL NO. 47-017-3785
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 3785

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-39)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1291' SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

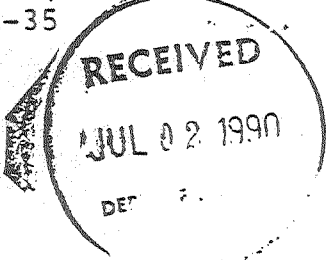


WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1238' WATERSHED LOWER WIZARD RUN
 DISTRICT SOUTH WEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE P/O 1255.4 OF 4583.2
 ROYALTY OWNER W.B. MAXWELL HEIRS et.al. LEASE ACREAGE 1699 OF 1891.75
 PROPOSED WORK: LEASE NO. 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 5305'

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

259



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#18 W.B.

LOCATION: Elevation: 1238.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 7320 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 4120 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 02/05/90
Well work Commenced: 03/06/90
Well work Completed: 03/22/90
Verbal Plugging
Permission granted on:
Rotary Cable _____ Rig _____
Total Depth (feet) 5391'
Fresh water depths (ft) 65'
Salt water depths (ft) 1470'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 1380'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1403'	1403'	C.T.S.
4-1/2"	5307.90'	5307.90'	632
1-1/2"	----	5157.30'	---

OPEN FLOW DATA

Alexander, Benson/3rd Riley, Riley,
 Producing formation Speechley/Warren (Commingled) Pay zone depth (ft) 250'-3323.5'
 Gas: Initial open flow 1299 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 697 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 1125 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: June 25, 1990

JUL 6 1990

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

4-STAGE FOAM FRAC

- Stage 1: Alexander - 14 holes (5250'-5181.5') Breakdown 3000 psi, 60 Quality Foam, 30 lbs/1000 gals Gel, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid, 576,280 scf of N₂
- Stage 2: Benson/3rd Riley - 11 holes (4909'-4828') Breakdown 1650 psi, 60 Quality foam, 30 lbs/1000 gals Gel, 30,000 lbs 20/40 sand, 500 gals 15% HCl acid, 470,946 scf of N₂
- Stage 3: Riley - 11 holes (4507.5'-4479.5') Breakdown 3500 psi, 75 Quality foam, 30 lbs/1000 gals Gel, 30,000 lbs 20/40 sand, 500 gals 15% HCl acid, 674,178 scf of N₂
- Stage 4: Speechley/Warren - 13 holes (3443.5'-3323.5') Breakdown 3100 psi, 75 Quality foam, 30 lbs/1000 gals Gel, 25,000 lbs 20/40 sand, 650 gals 28% HCl acid, 556,779 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	3/4" water @ 65' 1" water @ 1470'
Sand and Sandy Shale			15	90	
Sandy Shale and Red Rock			90	260	
Sand			260	290	
Sandy Shale and Red Rock			290	650	
Sand and Sandy Shale			650	1380	
Coal			1380	1384	1851' - No show
Shale, Sandy Shale, Sand			1384	1894	1943' - 80/10 thru 2" w/water
Little Lime			1894	1910	2097' - 20/10 thru 2" w/water
Sand and Shale			1910	1940	2345' - 8/10 thru 2" w/water
Big Lime			1940	1999	2804' - 10/10 thru 2" w/water
Big Injun			1999	2075	3175' - 8/10 thru 2" w/water
Shale			2075	2233	3360' - 6/10 thru 2" w/water
Wier			2233	2351	3916' - 22/10 thru 2" w/water
Shale			2351	2431	4413' - 12/10 thru 2" w/water
Berea			2431	2437	4535' - 12/10 thru 2" w/water
Shale w/Some Sand			2437	3289	4841' - 10/10 thru 2" w/water
Warren			3289	3343	4903' - 10/10 thr 2" w/water
Shale w/Trace Sand			3343	4472	5056' - 8/10 thru 2" w/water
Riley			4472	4528	5208' - 8/10 thru 2" w/water
Shale w/Some Sand			4528	4897	D.C. - 8/10 thru 2" w/water
Benson			4897	4938	
Shale w/Trace Sand			4938	5157	
Alexander			5157	5230	
Shale w/Trace Sand			5230	5391 T.D.	

10/25

(Attach separate sheets as necessary)

REC'D
JAN 1 1992
DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY

Issued 2/05/90
Expires 2/05/92

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

- 1) Well Operator: Eastern American Energy Corporation ²²⁵ 14980 (7) 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #18 WVDOD001118 3) Elevation: 1238'
- 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: 5305 feet
- 7) Approximate fresh water strata depths: 361'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 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	1388'	1388'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2, 2
Intermediate						
Production	4-1/2"	J-55	10.5	5220'	5220'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

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 50 Surety Agent
 (Type)

RECEIVED
JAN 15 1990
DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY

1) Date: January 15, 1990
2) Operator's well number
Blauser/W.B. Maxwell #18 - WVDOD001118
3) API Well No: 47 - 017 - 3785
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 _____
- 5) (a) Coal Operator:
- Name None
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - 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 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 14th day of January, 1990

My commission expires July 2, 1996 *Jo Lorraine Howe* Notary Public