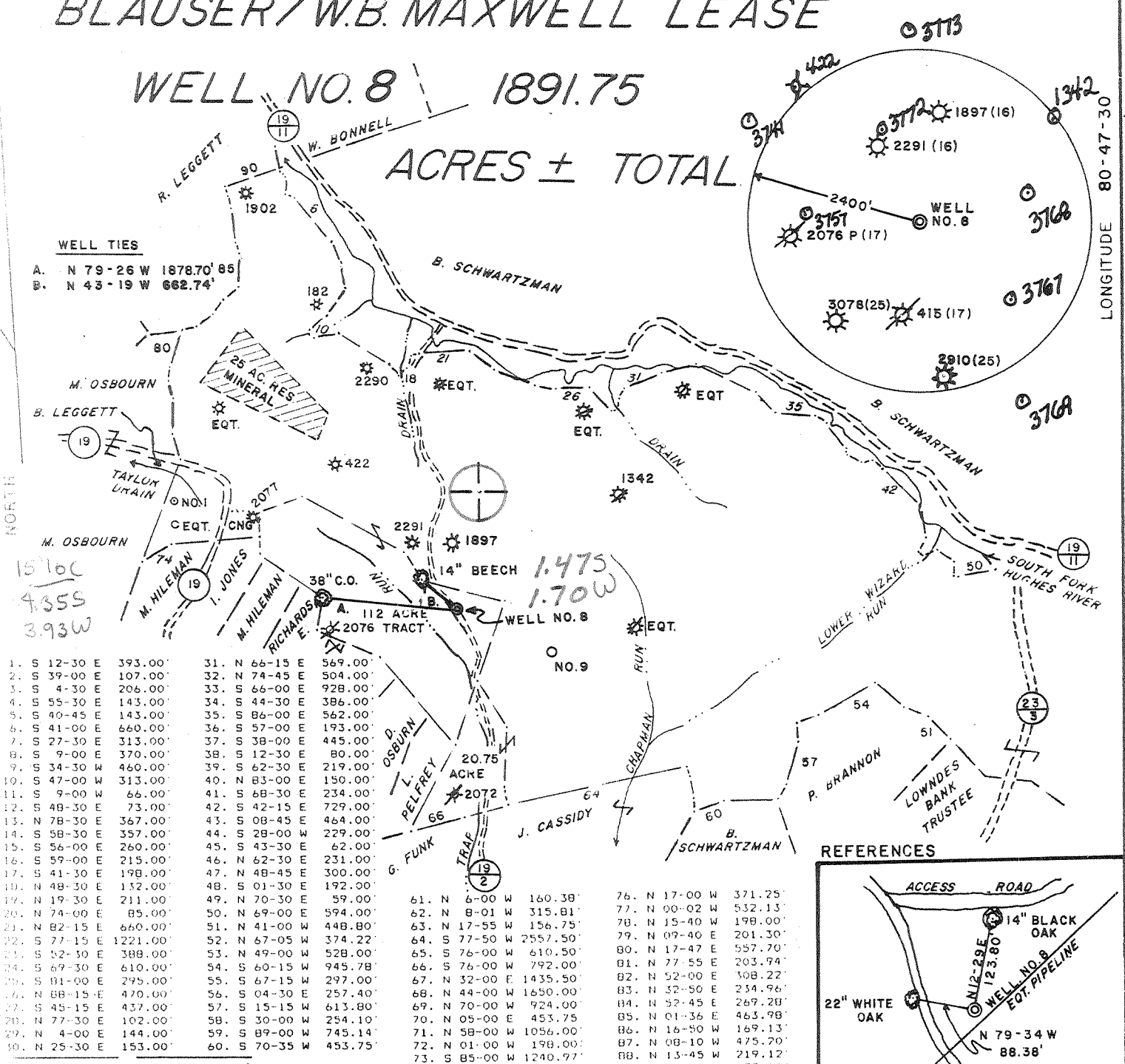


BLAUSER / W.B. MAXWELL LEASE

Jamie 12/11/89

WELL NO. 8 1891.75 ACRES ± TOTAL

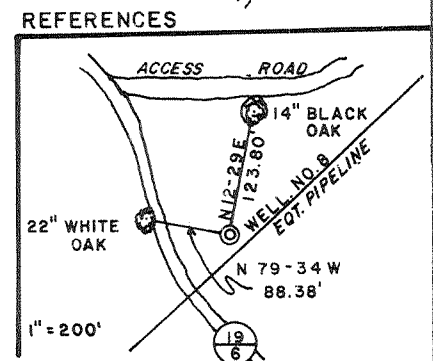


WELL TIES
 A. N 79-26 W 1878.70' 85'
 B. N 43-19 W 662.74'

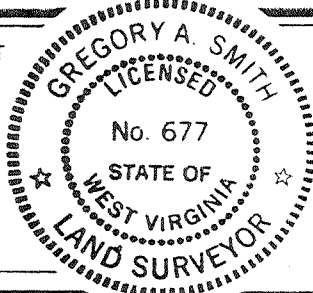
1516C
 4355
 3.93W

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 152.00'	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 72-15 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 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 72-55 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 269.28'
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 475.70'
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'



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.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JULY 5, 19 89
 OPERATORS WELL NO. BLAUSER/W.B. MAXWELL NO. 8
 API WELL NO. 47-017-3766
 STATE STATE COUNTY WVDOD001108 PERMIT 3766

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-37)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1250' SCALE 1" = 2000'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1107' WATERSHED TRAP RUN Holbrook NE
 DISTRICT SOUTH WEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5' 526
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE 112
 ROYALTY OWNER W.B. MAXWELL HEIRS et al. LEASE ACREAGE 112 OF 1891.75
 PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X 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 5260'

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

259
6-6 Straight Fork - Bluestone Creek (133)
DEC 29 1989

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 #8 W.B.

LOCATION: Elevation: 1107.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 7790 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 9050 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: 12/27/89
Well work Commenced: 08/20/90
Well work Completed: 09/08/90
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 5382'
Fresh water depths (ft) 405'

Salt water depths (ft) 1420'

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"	1274.30'	1274.30'	C.T.S.
4-1/2"	5217.90'	5217.90'	903

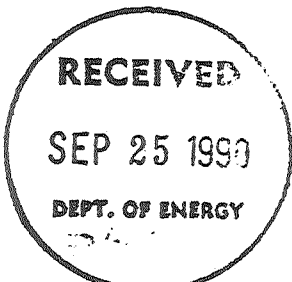
OPEN FLOW DATA

Riley (Commingled)

Producing formation Alexander, Benson/3rd Riley, Pay zone depth (ft) 5131.5'-4393.5'
Gas: Initial open flow 1061 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 539 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1050 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: September 10, 1990

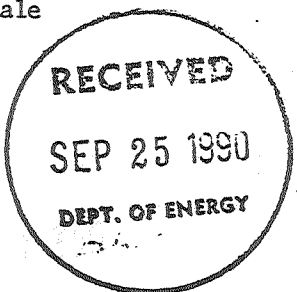


DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
3-STAGE FOAM FRAC.

- Stage 1: Alexander - 14 holes (5131.5'-5080') Breakdown 1840 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 519,000 scf of N₂
- Stage 2: Benson/3rd Riley - 12 holes (4816'-4740.5') Breakdown 1920 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, 650,000 scf of N₂
- Stage 3: Riley - 12 holes (4421' - 4393.5') Breakdown 2460 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 40,000 lbs 20/40 sand, 1000 gals 15% HCl, 573,000 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
Yellow Sand			0	50	3/4" stream water @ 405' Damp @ 1420'
White sand			50	110	
Sandy Shale and Red Rock			110	150	<u>GAS CHECKS:</u>
Sand			150	375	
Sandy Shale			375	430	3411' - No show
Red Rock			430	500	3903' - 6/10 thru 2" w/water
Sandy Shale			500	600	4303' - 6/10 thru 2" w/water
Sandy Shale and Red Rock			600	745	4520' - 8/10 thru 2" w/water
Sandy Shale			745	1000	4704' - 16/10 thru 2" w/water
Sand			1000	1085	4921' - 12/10 thru 2" w/water
Sandy Shale			1085	1350	5046' - 16/10 thru 2" w/water
Sand			1350	1390	5169' - 20/10 thru 2" w/water
Sandy Shale			1390	1670	D.C. - 10/10 thru 2" w/water
Sand			1670	1705	
Sandy Shale			1705	1790	
Little Lime			1790	1810	
Sandy Shale			1810	1835	
Big Lime			1835	1903	
Sand			1903	1972	
Sandy Shale			1972	2140	
Sand			2140	2260	
Sandy Shale			2260	3190	
Sand			3190	3259	
Sandy Shale			3259	4385	
Sand			4385	4435	
Sandy Shale			4435	4730	
Sand			4730	4765	
Sand Shale			4765	4806	
Sand			4806	4830	
Sandy Shale			4830	5075	
Sand			5075	5140	
Sandy Shale			5140	5382 T.D.	



(Attach separate sheets as necessary)

47-017-3766
 Issued 12/27/89
 Expires 12/27/91

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

- 1) Well Operator: Eastern American Energy Corporation ²⁵⁹ 14980, 7, 525
- 2) Operator's Well Number: Blauser/W.B. Maxwell #8 3) Elevation: 1107'
- 4) Well type: (a) Oil or Gas WVDOD001108
- (b) If Gas: Production / Underground Storage
 Deep Shallow
- 5) Proposed Target Formation(s): Alexander ⁴³⁹
- 6) Proposed Total Depth: 5260 feet
- 7) Approximate fresh water strata depths: 73', 137' ^{321'} 454', 173', 117'
- 8) Approximate salt water depths: ~~XXXX~~ 1334'
- 9) Approximate coal seam depths: None ^{Possible 248'-251'}
- 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'	-----	
Fresh Water	8 5/8"	J-55	20.0	1257'	1257'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	5175'	5175'	38CSR18-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 DEC 11 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond Blanket sure Agent

0507
 33

RECEIVED
DEC 11 1989

1) Date: July 20, 1989
2) Operator's well number
Blauser/W.B. Maxwell #8 - WVDOD001108
3) API Well No: 47 - 017 - 3766
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 _____
 - 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 10th day of November, 1989

Ja. Soraine Rowe Notary Public
My commission expires July 2, 1996