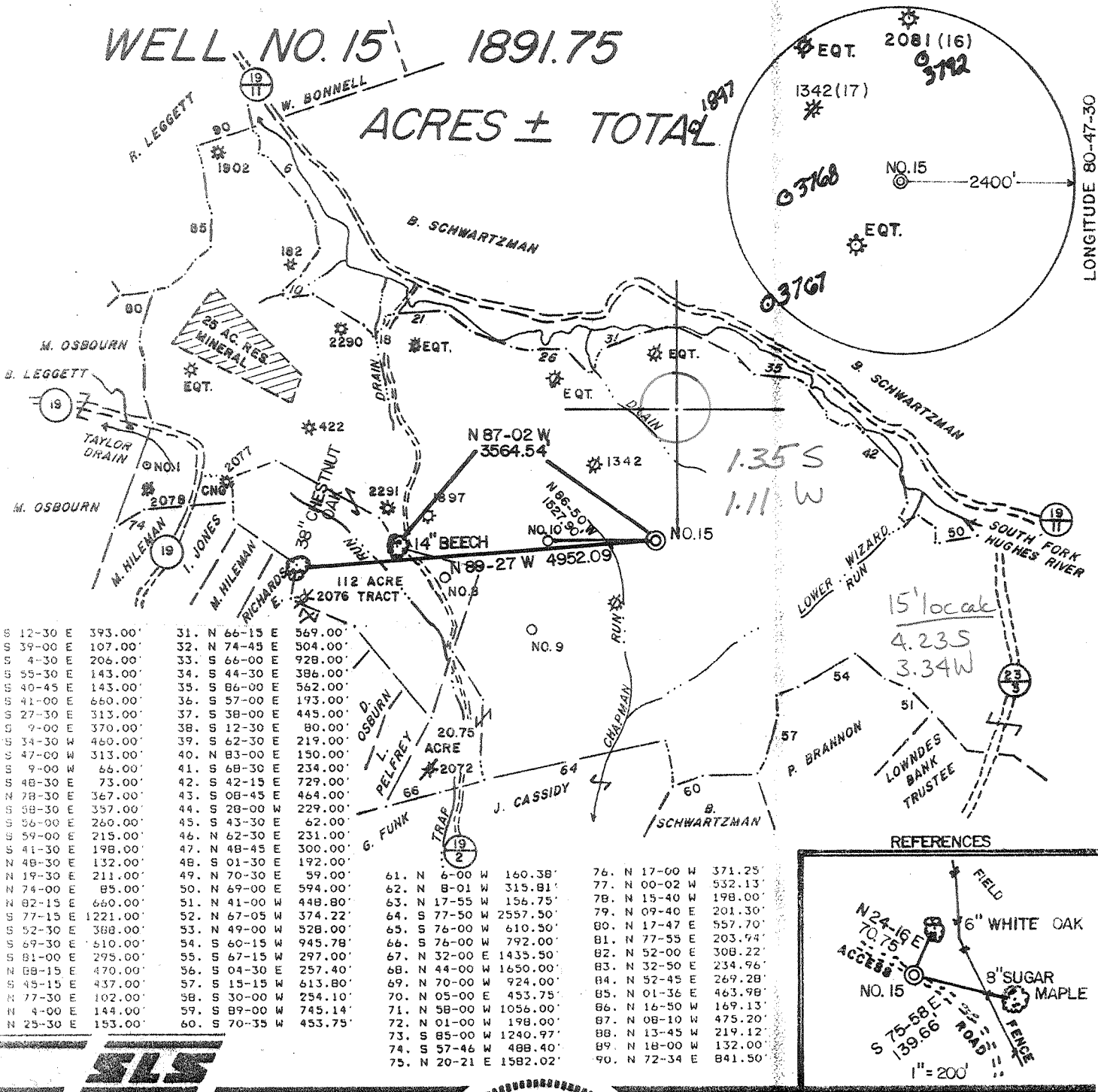


BLAUSER/W.B. MAXWELL LEASE

WELL NO. 15 1891.75 ACRES ± TOTAL



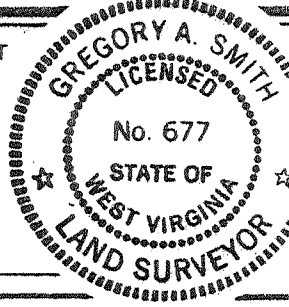
1. S 12-30 E 393.00'	31. N 66-15 E 569.00'
2. S 39-00 E 107.00'	32. N 74-45 E 504.00'
3. S 4-30 E 206.00'	33. S 66-00 E 928.00'
4. S 55-30 E 143.00'	34. S 44-30 E 386.00'
5. S 40-45 E 143.00'	35. S 86-00 E 562.00'
6. S 41-00 E 660.00'	36. S 57-00 E 173.00'
7. S 27-30 E 313.00'	37. S 38-00 E 445.00'
8. 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 69-30 E 510.00'	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 269.28'
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 475.20'
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'



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.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. 15
 WVDOD001115
 API WELL NO. 47 - 017 - 3793
 STATE WV COUNTY DODDRIDGE PERMIT 15

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

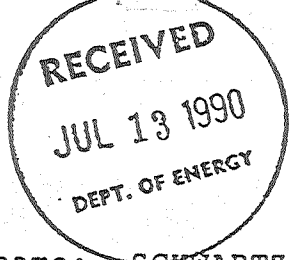
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1164' WATERSHED CHAPMAN RUN Holbrook NE
 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. WV01918'
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5275'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56th ST. CHARLESTON, WV. 25304
6-6 Straight Fork - 259 Bluestone Creek (133) FEB 23 1990

COUNTY NAME PERMIT



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#15 W.B.

LOCATION: Elevation: 1164.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
 Latitude: 7200 Feet South of 39 Deg. 12Min. 30 Sec.
 Longitude 5920 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: 02/21/90
 Well work Commenced: 05/05/90
 Well work Completed: 05/11/90
 Verbal Plugging _____
 Permission granted on: _____
 Rotary X Cable _____ Rig _____
 Total Depth (feet) 5432'
 Fresh water depths (ft) 45'

Salt water depths (ft) 1385'

Is coal being mined in area (Y/N)? N
 Coal Depths (ft): 15'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1328.00'	1328.00'	C.T.S.
4-1/2"	5272.70'	5272.70'	565

OPEN FLOW DATA

2nd Riley, Riley, Speechley/Warren
 Producing formation Alexander, Benson/3rd Riley/ Pay zone depth (ft) 5170.5'-3259'
 Gas: Initial open flow 710 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 520 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 1080 psig (surface pressure) after 12 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: July 6, 1990

JUL 20 1990

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

4-STAGE FOAM FRAC

Stage 1: Alexander - 14 holes (5170.5'-5111.5') Breakdown 2100 psi, 65 Quality foam, 30 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 626,600 scf of N₂

Stage 2: Benson/3rd Riley/2nd Riley - 13 holes (4840'-4669.5') Breakdown 1910 psi, 65 Quality foam, 30 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 638,600 scf of N₂

Stage 3: Riley - 20 holes (4445'-4416.5') Breakdown 1750 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 50,000 lbs 20/40 sand, 500 gals 15% HCl, 684,000 scf of N₂

Stage 4: Speechley/Warren - 14 holes (3384.5'-3259') Breakdown 1940 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 60,000 lbs 20/40 sand, 650 gals 28% HCl acid and 605,900 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	1/2" stream water @ 45'
Coal			15	20	1/2"-3/4" stream water @1385'
Shale and Red Rock			20	80	
Sand, Shale and Red Rock			80	112	
Red Rock			112	139	
Sand and Shale			139	170	<u>GAS CHECKS:</u>
Sand			170	182	1859' - No show
Shale and Red Rock			182	190	1955' - No show
Sand			190	197	1986' - 20/10 thru 2" w/mercury
Sand, Shale and Red Rock			197	310	2113' - 20/10 thru 2" w/mercury
Sand			310	360	2302' - 14/10 thru 2" w/mercury
Sand and Shale			360	530	2525' - 10/10 thru 2" w/mercury
Sand			530	550	3156' - 8/10 thru 2" w/mercury
Sand and Shale			550	630	3503' - 8/10 thru 2" w/mercury
Shale and Red Rock			630	785	3882' - 6/10 thru 2" w/mercury
Sand			785	800	4325' - 4/10 thru 2" w/mercury
Sand and Shale			800	980	4483' - 6/10 thru 2" w/mercury
Sand			980	1010	4799' - 4/10 thru 2" w/mercury
Sand and Shale			1010	1205	5022' - 4/10 thru 2" w/mercury
Sand			1205	1420	5211' - 4/10 thru 2" w/mercury
Sand and Shale			1420	1590	5432' - 4/10 thru 2" w/mercury (T.D.)
Sand			1590	1640	D.C. - 4/10 thru 2" w/mercury
Sand and Shale			1640	1733	
Sand			1733	1793	
Shale			1793	1840	
Little Lime			1840	1845	
Sand and Shale			1845	1878	
Big Lime			1878	1936	
Sand			1936	1970	
Big Injun			1970	2016	
Sand and Shale			2016	2172	
Weir			2172	2293	
Shale w/Trace of Sand			2293	2370	
Berea			2370	2375	
Shale with Minor Sand			2375	3252	
Warren			3252	3286	
Shale with Trace Sand			3286	4409	

(CONTINUED)

(Attach separate sheets as necessary)

(REVERSE)

0173793

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

BLAUSER/W.B. MAXWELL #15

(Continued)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Riley			4409	4450	
Shale			4450	4634	
3rd Riley			4634	4663	
Shale with Minor Sand			4663	4814	
Benson			4814	4869	
Shale with Sand			4869	5080	
Slexander			5080	5182	
Shale with Trace Sand			5182	5432 T.D.	

10164

(Attach separate sheets as necessary)

JUL 20 1990

017 3793

Issued 2/21/90
Expires 2/21/92

FORM WW-2B

FEB 05 1991
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



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 #15 3) Elevation: 1164'
WVDOD001115
- 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: 5275 feet
- 7) Approximate fresh water strata depths: 287' 493', 244'
- 8) Approximate salt water depths: None 1063'
- 9) Approximate coal seam depths: None Possibly @ 508'-511'
- 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	1315'	1315'	C.T.S. 38CSR18-11.3 38CSR18-11.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	5190'	5190'	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

8973
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Surety Agent
(Type)

10/64

RECEIVED
FEB 05 1990
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: January 26, 1990
Operator's well number
Blauser/W.B. Maxwell #15 - WVDOD061115
API Well No: 47 - 017 - 3793
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>
Address <u>2520 30th Street, N.W.</u>
<u>Washington, DC 20008</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>None</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name _____
Address _____</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Rt. 2, Box 135</u>
<u>Salem, WV 26426</u>
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 10 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 26th day of January, 1990

Jo Kraine Howe Notary Public
My commission expires July 2, 1996