

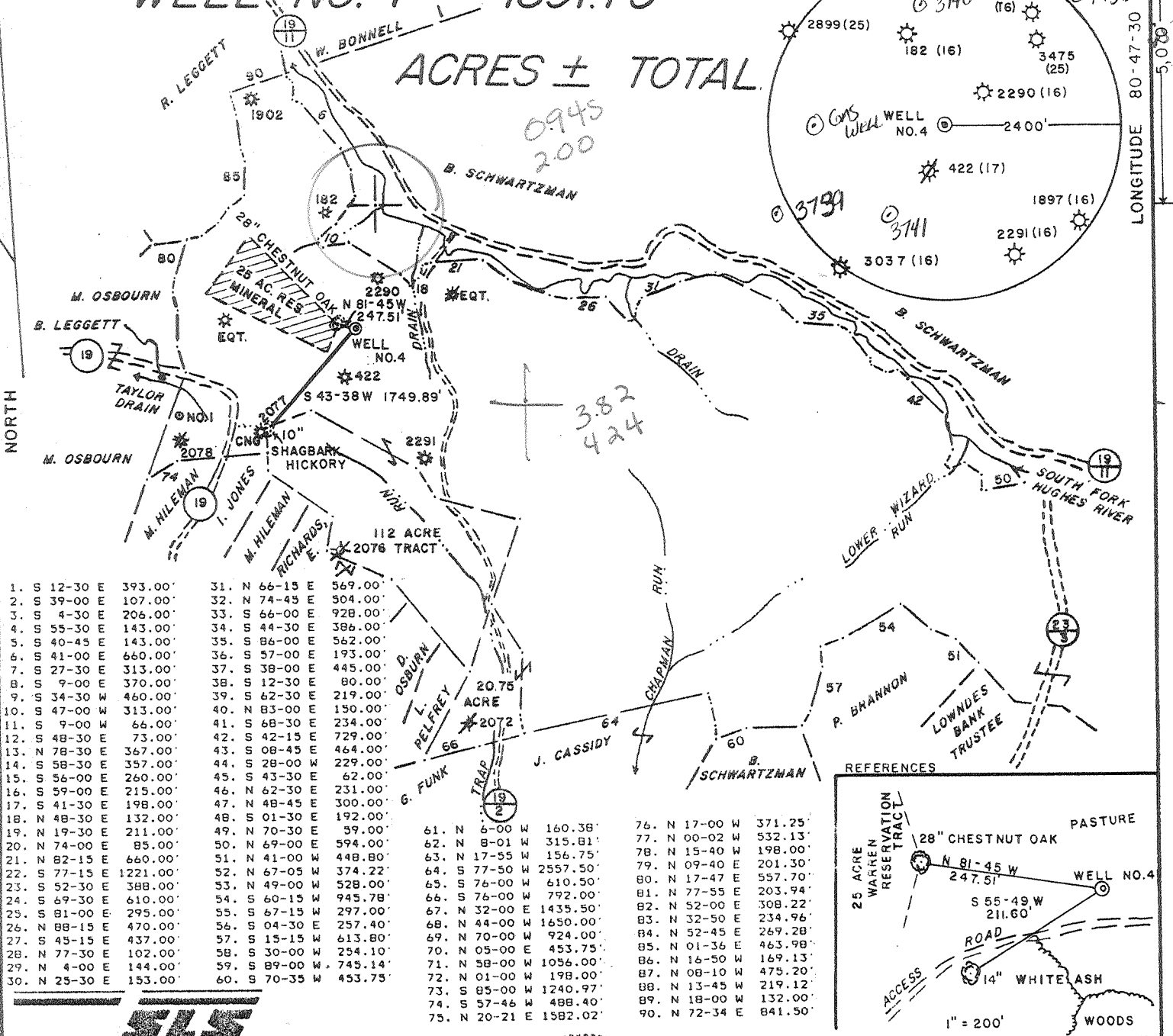
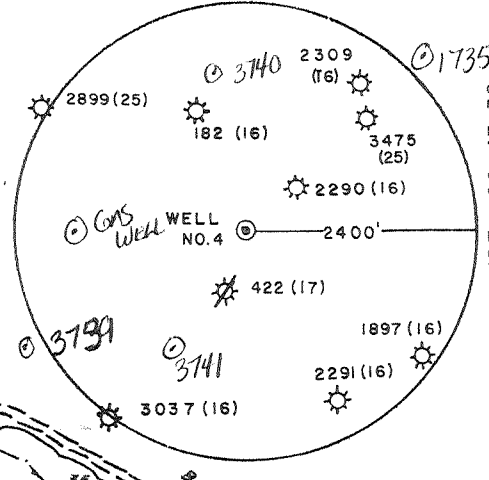
BLAUSER/W.B. MAXWELL LEASE

WELL NO. 4 1891.75

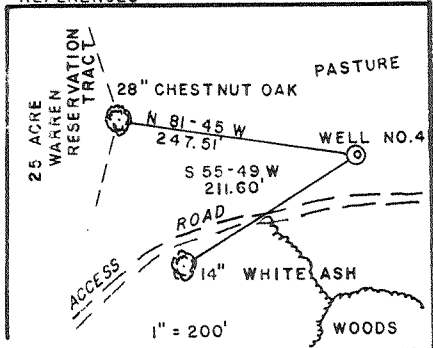
ACRES ± TOTAL

0.945
7.00

3.82
4.24

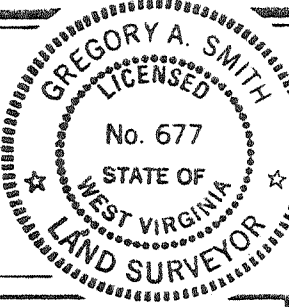


1. S 12-30 E 393.00'	31. N 66-15 E 569.00'	61. N 6-00 W 160.38'	76. N 17-00 W 371.25'
2. S 39-00 E 107.00'	32. N 74-45 E 504.00'	62. N 8-01 W 315.81'	77. N 00-02 W 532.13'
3. S 4-30 E 206.00'	33. S 66-00 E 928.00'	63. N 17-55 W 156.75'	78. N 15-40 W 198.00'
4. S 55-30 E 143.00'	34. S 44-30 E 386.00'	64. S 77-50 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 57-00 E 193.00'	66. S 76-00 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 57-46 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 43-15 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'		



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 JULY 5, 19 89
 OPERATORS WELL NO BLAUSER/W.B. MAXWELL
 NO. 4
 API WELL NO. 47 - 017 - 3742
 STATE COUNTY PERMIT
 WVD0001104

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-33)
 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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1066' WATERSHED SOUTH FORK HUGHES RIVER
 DISTRICT SOUTH WEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5' 524.058
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE P/O 1255.4 OF 4583.23
 ROYALTY OWNER W.B. MAXWELL HEIRS et al. LEASE ACREAGE 1699 OF 1891.75
 PROPOSED WORK: LEASE NO. WVO1918-*
 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 5175'

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

APL # 47-17-03742

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 #4 W.B.

LOCATION: Elevation: 1066.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 5070 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 10610 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
501 56TH ST.
CHARLESTON, WV 25304-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 08/07/89
Well work Commenced: 11/22/89
Well work Completed: 12/11/89
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 5210'
Fresh water depths (ft) 145'

Salt water depths (ft) 1300'

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.
11-3/4"	160'	160'	C.T.S.
8-5/8"	1634'	1634'	C.T.S.
4-1/2"	5144.30'	5144.30'	900

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

5050'-

Producing formation Speechley/Warren (Commingled) Pay zone depth (ft) 3178'
 Gas: Initial open flow 596 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 481 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 1220 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.

Rich Heffelfinger
For: EASTERN AMERICAN ENERGY CORP.
Rich Heffelfinger
By: Vice President - Regional Operations
Date: December 20, 1989

DEC 29 1989

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

4-STAGE FOAM FRAC

- Stage 1: Alexander - 13 holes (5050'-5020') Breakdown 3500 psi, 60 Quality foam, 30 lbs/1000 gals Gel, 50,000 lbs 20/40 sand, 500 gals 15% HCl, 510,300 scf of N₂
- Stage 2: Riley - 10 holes (4353.5'-4332.5') Breakdown 1750 psi, 75 Quality foam, 30 lbs/1000 gals Gel, 30,000 lbs 20/40 sand, 500 gals 15% HCl, 582,100 scf of N₂
- Stage 3: Balltown - 11 holes (3630'-3560') Breakdown 1760 psi, 75 Quality foam, 30 lbs/1000 gals Gel, 25,000 lbs 20/40 sand, 500 gals 15% HCl, 528,400 scf of N₂
- Stage 4: Speechley/Warren (3312.5'-3178') Breakdown 1150 psi, 75 Quality form, 30 lbs/1000 gals Gel, 25,000 lbs 20/40 sand, 650 gals 28% HCl, 496,500 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
Red Rock			0	10	Soap hole @ 145'
Shale			10	130	1" water @ 1300'
Sand			130	145	
Sandy Shale			145	300	
Sand and Sandy Shale			300	570	<u>GAS CHECKS:</u>
Red Rock			570	620	1757' - No show
Sandy Shale			620	930	1849' - No show
Sand and Sandy Shale			930	1749	2004' - No show
Little Lime			1749	1757	2250' - 32/10 thru 1" w/water
Sand and Shale			1757	1790	2682' - 16/10 thru 1" w/water
Big Lime			1790	1846	3115' - 12/10 thru 1" w/water
Sand and Shale			1846	1934	3267' - 8/10 thru 1" w/water
Shale			1934	2028	3802' - 8/10 thru 1" w/water
Siltstone			2028	2092	4321' - 8/10 thru 1" w/water
Weir			2092	2218	4474' - 10/10 thru 1" w/water
Shale			2218	2237	4719' - 18/10 thru 1" w/water
Berea			2287	2292	4811' - 18/10 thru 1" w/water
Shale w/Tr. Sandstone			2292	3130	4964' - 24/10 thru 1" w/water
Warren			3130	3214	5116' - 24/10 thru 1" w/water
Shale w/Some Sand			3214	4310	T.D. - 20/10 thru 1" w/water
Riley			4310	4373	D.C. - 12/10 thru 1" w/water
Shale and Sand			4373	4745	
Benson			4745	4770	
Shale w/Some Sand			4770	4992	
Alexander			4992	5092	
Shale			5092	5210 T.D.	

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

017-3742

Issued 8/7/89 Expires 8/7/91

FORM WW-2B

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: Blausen/W.B. Maxwell #4 3) Elevation: 1066'
4) Well type: (a) Oil / or Gas XX /
(b) If Gas: Production XX / Underground Storage / Deep / Shallow XX /
5) Proposed Target Formation(s): Alexander 439
6) Proposed Total Depth: 5175 feet
7) Approximate fresh water strata depths: 130'
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

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind _____ Sizes _____ Depths set _____

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5472

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 []

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JUL 24 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: July 20, 1989
2) Operator's well number
Blauser/W.B. Maxwell #4 - WVDOD001104
3) API Well No: 47 - 017 - 3742
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</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>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 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 21st day of July, 1989

My commission expires July 2, 1996 *Jo Strain Love* Notary Public