

RECEIVED
DIVISION OF OIL AND GAS
AUG 22 1990
Permitting
Oil and Gas Section

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 #7 W.B.

LOCATION: Elevation: 1009.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 5050 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 9110 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: 12/27/89
Well work Commenced: 05/23/90
Well work Completed: 05/28/90
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig _____
Total Depth (feet) 5137'
Fresh water depths (ft) 80'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1192.40'	1192.40'	C.T.S.
4-1/2"	5105.70'	5105.70'	916

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 98', 347', 544'

OPEN FLOW DATA

Alexander, Benson/3rd Riley, 5034' -
 Producing formation Riley (Commingled) Pay zone depth (ft) 4278'
 Gas: Initial open flow 860 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 510 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 960 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: August 14, 1990

AUG 24 1990

(REVERSE)

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

3-STAGE FOAM FRAC:

- Stage 1: Alexander - 14 holes (5034'-4962') Breakdown 3630 psi, 65 Quality foam, 30 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 615,000 scf of N₂
- Stage 2: Benson/3rd Riley - 12 holes (4700.5'-4624.5') Breakdown 3000 psi, 65 Quality foam, 30 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 57,000 lbs 20/40 sand, 500 gals 15% HCl, 602,100 scf of N₂
- Stage 3: Riley - 12 holes (4300'-4278') Breakdown 1930 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 5000 lbs 80/100 sand, 60,000 20/40 sand, 500 gals 15% HCl, 630,700 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
Clay			0	5	Coal @ 98', 347', 544'
Shale			5	15	
Sand and Shale			15	25	<u>GAS CHECKS:</u>
Shale			25	35	
Sand and Shale			35	98	2201' - 10/10 thru 1" w/water
Coal			98	102	2605' - 4/10 thru 7" w/water
Sand and Shale			102	150	2730' - 10/10 thru 2" w/water
Red Rock and Shale			150	214	2855' - 100/10 thru 2" w/water
Sand and Shale			214	347	3010' - 70/10 thru 2" w/water
Coal			347	356	3201' - 50/10 thru 2" w/water
Sand and Shale			356	400	3730' - 60/10 thru 2" w/water
Red Rock and Shale			400	544	4197' - 30/10 thru 2" w/water
Coal			544	547	4351' - 3/10 thru 2" w/water
Sand and Shale			547	856	4603' - 30/10 thru 2" w/water
Shale			856	1073	4730' - 34/10 thru 2" w/water
Sand and Shale			1073	1360	4917' - 26/10 thru 2" w/water
Sand			1360	1400	5012' - 26/10 thru 2" w/water
Sand and Shale			1400	1637	T.D. - 20/10 thru 2" w/water
Red Rock and Shale			1637	1684	D.C. - 24/10 thru 2" w/water
Little Lime			1684	1690	
Sand and Shale			1690	1722	
Big Lime			1722	1780	
Big Injun			1780	1836	
Sand and Shale			1836	2023	
Weir			2023	2148	
Shale with Minor Sand			2148	2220	
Berea			2220	2224	
Shale and Sand			2224	3106	
Warren			3106	3146	
Shale and Sand			3146	4271	
Riley			4271	4314	
Shale with Minor Sand			43±4	4616	
3rd Riley			4616	4646	
Shale			4646	4698	
Benson			4698	4730	
Shale with Some Sand			4730	4955	
Alexander			4955	5043	
Shale			5043	5137 T.D.	

(Attach separate sheets as necessary)

8/6/65

017-3773

Issued 12/27/89
Expires 12/27/91

FORM WW-2B

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

- 1) Well Operator: ²⁵⁹ Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: Blausen/W.B. Maxwell #7 WVDOD001107 3) Elevation: 1009'
- 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: 5120' feet
- 7) Approximate fresh water strata depths: 75', 280', 361', 111'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None 150'-153'
- 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	1185'	1185'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	5040'	5040'	38CSR18-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

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PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

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

Plat WW-9 WW-2B Bond _____

4504
31

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DEC 06 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: July 20, 1989
Operator's well number
Blauser/W.B. Maxwell #7 - WVDOD001107
API Well No: 47 - 017 - 3773
State - County - Permit

017-3773

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 _____
6) Inspector Mike Underwood
Address Rt. 2, Box 135
Salem, WV 26426
Telephone (304) - 782-1043

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

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 10th day of November, 1989

John L. Laine Notary Public
My commission expires July 2, 1996