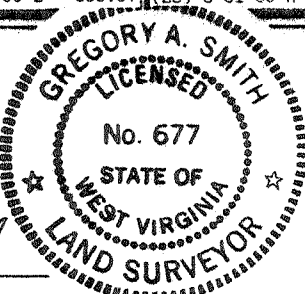


I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JANUARY 18, 19 90

OPERATORS WELL NO. BLAUSER/W.B. MAXWELL

WELL NO. 27
 WVDOD001127

API WELL NO. 47 - 017 - 3799

STATE WV COUNTY WOOD PERMIT WV01918-*

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2082 (29-47)

PROVEN SOURCE OF ELEVATION TOP KNOB ELEV. 1291' SCALE 1"=1000'

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 1179' WATERSHED SOUTH FORK HUGHES RIVER QUADRANGLE OXFORD 7.5'

DISTRICT SOUTH WEST 7 COUNTY DODDRIDGE ACREAGE P/O 1255.4 OF 4583.2

SURFACE OWNER BEATRICE SCHWARTZMAN LEASE ACREAGE 1699 OF 1891.75

ROYALTY OWNER W.B. MAXWELL HEIRS et. al. LEASE NO. WV01918-*

PROPOSED WORK: 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 5265'

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 *MAR 12 1990*

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SEP 06 1990

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DEPT. OF ENERGY Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: BLAU/MAXWELL#27 W.

LOCATION: Elevation: 1179.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 8600 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 9410 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 03/07/90
Well work Commenced: 08/04/90
Well work Completed: 08/20/90
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5290'
Fresh water depths (ft) 81', 168', 347'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1331.05'	1331.05'	C.T.S.
4-1/2"	5263.15'	5263.15'	922
1-1/2"	---	5070.10'	---

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

OPEN FLOW DATA

Alexander,
Producing formation Benson/3rd Riley (Commingle) Pay zone depth (ft) 5169.5'-47'
Gas: Initial open flow 919 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 531 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 965 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 24, 1990

SEP 10 1990

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

Stage 1: Alexander - 14 holes (5164.5'-5110') Breakdown 2230 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 75,000 lbs 20/40 sand, 500 gals 15% HCl, 522,000 scf N₂

Stage 2: Benson/3rd Riley - 18 holes (4824.5'-4736') Breakdown 2440 psi, 70 Quality foam pad, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 708,700 scf 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
Ground Level			0	10	
Sand, Shale and Red Rock			10	27	Hole damp @ 81'
Sand and Shale			27	51	1/4" Stream Water @ 168'
Sand, Shale and Red Rock			51	150	1" Stream Water @ 347'
Sand			150	190	
Red Rock			190	227	
Sand and Shale			227	287	
Red Rock			287	325	
Sand			325	380	
Sand and Shale			380	430	
Red Rock and Shale			430	520	
Red Rock			520	700	
Shale			700	860	
Red Rock			860	910	
Shale			910	1078	
Sand, Shale and Red Rock			1078	1280	
Shale			1280	1300	
Sand and Shale			1300	1804	
Little Lime			1804	1814	
Sand and Sandy Shale			1814	1850	
Big Lime			1850	1950	
Big Injun			1950	1980	
Shale and Sandy Shale			1980	2126	
Weir			2126	2294	
Shale			2294	2330	
Berea			2330	2338	
Shale with Minor Sand			2338	3200	
Warren			3200	3231	
Shale, Sandy Shale, Minor Sand			3231	4369	
Riley			4369	4416	
Shale with Minor Sand			4416	4724	
3rd Riley			4724	4746	
Shale and Sandy Shale			4746	4820	
Benson			4820	4828	
Shale and Sandy Shale			4828	5072	
Alexander			5072	5180	
Shale			5180	5290 T.D.	

GAS CHECKS:

1609' - No show
 1828' - No show
 1952' - No show
 2077' - No show
 2323' - No show
 2603' - No show
 3107' - 10/10 thru 2" w/water
 3228' - 10/10 thru 2" w/water
 3826' - 10/10 thru 2" w/water
 4949' - 8/10 thru 2" w/water
 5104' - 8/10 thru 2" w/water
 T.D. - 8/10 thru 2" w/water
 D.C. - 14/10 thru 2" w/water

10/77

(Attach separate sheets as necessary)

017 3799
 Issued 3/7/90
 Expires 3/7/92
 Page 3 of 10

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) 555
- 2) Operator's Well Number: Blauser/W.B. Maxwell # 27 3) Elevation: 1179'
WVDOD001127
- 4) Well type: (a) Oil or Gas /

 (b) If Gas: Production / Underground Storage /

 Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander ⁴³⁹
- 6) Proposed Total Depth: 5265 feet
- 7) Approximate fresh water strata depths: 225 0377', 214'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 497-499 OK.
- 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	1330	1330	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	5180	5180	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

0173 #
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Surety Agent
 (Type)

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FEB 15 1990
DIVISION OF OIL & GAS 3)
DEPARTMENT OF ENERGY

Date: January 30, 1990
Operator's well number
Blauser/W.B. Maxwell #27 - WVD0001127
API Well No: 47 - 017 - 3799
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 _____
- 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 _____
 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 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 30th day of January, 1990

Jo Lorraine Lowe Notary Public
 My commission expires July 2, 1996