

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: RILEY, ANNA DAVIES ETAL Operator Well No.: ASH/MAXWELL #38

LOCATION: Elevation: Quadrangle:

District: WEST UNION County: DODDRIDGE
Latitude: Feet South of Deg. Min. Sec.
Longitude: Feet West of Deg. Min. Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 04/27/93
Well work Commenced: 07/11/93
Well work Completed: 07/24/93
Verbal Plugging _____
Permission granted on: _____
Rotary xx Cable _____ Rig _____
Total Depth (feet) 5234'
Fresh water depths (ft) 55'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 205'-208', 918'-921'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1128.60'	1128.60'	280 sxs CTS
4-1/2"	----	5221.70'	705 sxs

OPEN FLOW DATA

(Commingled) & Riley Pay zone depth (ft) 5111.5'-4324'
Producing formation Alexander, Benson, 3rd Riley
Gas: Initial open flow 1299 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1299 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1550 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.

Reviewed TM6
Recorded _____

For: EASTERN AMERICAN ENERGY CORP.

By: Ronald L. Reche Regional Drilling Mgr.
Date: 10-11-93

OCT 27 1993

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

3. STAGE FRAC

Stage One

Alexander: 18 holes (5065.5'-5111.5') Fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 60,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 100,650 scf of N2.

Stage Two

Benson/3rd Riley: 14 holes (4706'-4782.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals., 50,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 94,650 scf of N2.

Stage Three

Riley: 14 holes (4324'-4358'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 40,000 lbs WELL LOG of 20/40 sand, 500 gals of 15% HCL acid and 125,400 scf of N2.

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all. fresh and salt water, coal, oil and gas
Sand, Shale and Red Rock			0	205	55' 1/2" stream water
Coal			205	208	
Shale and Red Rock			208	235	
Sand and Shale			235	331	
Red Rock			331	339	
Sand and Shale			339	388	
Red Rock			388	401	
Sand and Shale			401	790	
Sand			790	810	
Sand and Shale			810	825	
Red Rock and Shale			825	878	
Sand and Shale			878	918	
Coal			918	921	
Sand and Shale			921	1082	
Red Rock			1082	1088	
Sand and Shale			1088	1694	
Little Lime			1694	1706	
Sand and Shale			1706	1738	
Big Lime			1738	1798	
Keener			1798	1826	
Big Injun			1826	1896	
Shale and Sandy Shale			1896	2042	
Weir			2042	2142	
Shale			2142	2246	
Berea			2246	2259	
Shale			2259	2446	
Gordon			2446	2498	
Shale and Sandy Shale			2498	3134	
Warren			3134	3174	
Shale and Sandy Shale			3174	3882	
Balltown			3882	3940	
Shale			3940	4322	

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(Attach separate sheets as necessary)

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			4322	4360	
Shale			4360	4690	
3rd Riley			4690	4722	
Shale			4722	4777	
Benson			4777	4785	
Shale			4785	5024	
Alexander			5024	5116	
Shale			5116	5234	
TD				5234	
					Gas Checks:
					1644' - Gas/Oil Odor
					1667' - 3/10 thru 1" w/water
					1761' - 3/10 thru 1" w/water
					1951' - 48/10 thru 1 1/4" w/water
					2142' - 45/10 thru 1 1/4" w/water
					2298' - 49/10 thru 1 1/4" w/water
					2707' - 44/10 thru 1 1/4" w/water
					2992' - 44/10 thru 1 1/4" w/water
					3309' - 36/10 thru 1 1/4" w/water
					3563' - 52/10 thru 1 1/4" w/water
					4005' - 38/10 thru 1 1/4" w/water
					4163' - 38/10 thru 1 1/4" w/water
					4508' - 36/10 thru 1 1/4" w/water
					4603' - 36/10 thru 1 1/4" w/water
					4761' - 36/10 thru 1 1/4" w/water
					4919' - 40/10 thru 1 1/4" w/water
					5140' - 46/10 thru 1 1/4" w/water
					5234' - 46/10 thru 1 1/4" w/water
					DS's 16/10 thru 1 1/4" w/water

DF-424
OFT-439

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Environmental File

APR 09 1993

Permitting Office of Oil & Gas

017-4016 Issued 04/27/93

FORM WW-2B

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Expires 04/27/95

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

- 1) Well Operator: Eastern American Energy Corporation 14980 8 670
2) Operator's Well Number: Ashland/Maxwell #38 3) Elevation: 1012'
4) Well type: (a) Oil / or Gas XX/ (b) If Gas: Production XX/ Underground Storage / Deep / Shallow XX/
5) Proposed Target Formation(s): Alexander
6) Proposed Total Depth: 5193' feet
7) Approximate fresh water strata depths: 115' 220-350'
8) Approximate salt water depths: None
9) Approximate coal seam depths: 59-64', 75-79'
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), and CEMENT (Fill-up). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9-5/8" casing.

PACKERS: Kind Sizes Depths set

For Division of Oil and Gas Use Only

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

17067

34475/6

RECEIVED
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APR 09 93
Permitting
Office of Oil & Gas

- 1) Date: April 5, 1993
- 2) Operator's well number
Ashland/Maxwell #38
- 3) API Well No: 47 - 017 - 4016
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Anna Davies Riley, et al
Address Rt. 1 Box 161
Round Hill, VA 22141
 - (b) Name Tom Davies, POA
Address 1006 43 Street
Vienna, WV 26105
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name N/A
Address _____
 - (b) Coal Owner(s) with Declaration
Name N/A
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name N/A
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 12 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. Balch
 Its: Designated Agent
 Address P.O. Box 820
Glenville, WV 26351
 Telephone (304) 462-5781

Subscribed and sworn before me this 5th day of April, 19 93

My commission expires February 26, 2002. Henry H. Bean Notary Public

