



JAN 13 93

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 Operator Well No.: ASHLND/MAXWEL 6

LOCATION: Elevation: 1107.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE  
Latitude: 11490 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 3980 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: 10/19/92  
Well work Commenced: 11/07/92  
Well work Completed: 11/19/92  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5267'  
Fresh water depths (ft) 220'

Salt water depths (ft) NONE

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 63' - 68'; 180' - 184'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			CTS
8 5/8"	1208.80'	1208.80'	320 sxs
4 1/2"	---	5196.90'	730 sxs
1 1/2"	---	5240.50'	

OPEN FLOW DATA "Commingled"

Alexander, Benson, 3rd Riley,  
Producing formation 2nd Riley, Riley, Balltown Pay zone depth (ft) 5136'-3929'  
Gas: Initial open flow 978 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 692 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1400 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: EASTERN AMERICAN ENERGY CORP.

Reviewed TMB  
Recorded \_\_\_\_\_

By: Ronald L. Law JAN 19 93  
Date: 11-19-92

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

4-Stage Frac

Stage One:

Alexander: 16 holes (5136'-5068.5') Fractured with energized water, (150 scf/bbl), 30 lbs. gel/1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 91,600 scf of N<sub>2</sub>.

Stage Two:

Benson/3rd Riley/2nd Riley: 16 holes (4810'-4610'), Fractured with energized water (150 scf/bbl), 30 lbs. gel/1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 88,000 scf of N<sub>2</sub>.

Stage Three:

Riley: 14 holes (4383'-4350'), Fractured with energized water (150 scf/bbl), 30 lbs. gel/1000 gals, 40,000 lbs. 20/40 sand, 500 gals 15% HCl acid and 81,000 scf of N<sub>2</sub>.

Stage Four:

Balltown: 14 Holes (3941'-3929'), Fractured with energized water (150 scf/bbl), 30lbs. gel/1000 gals, 30,000 lbs. 20/40 sand, 500 gals 15% HCl acid and 67,000 scf of N<sub>2</sub>.

## WELL LOG

FORMATION COLOR HAND OR SOFT	TOP FEET	BOTTOM FEET	REMARKS	
			Including indication of all fresh and salt water, coal, oil and gas	
Fill, Red Rock, Shale	0	63	220' 1/2" stream water	
Coal	63	68		
Sand, Shale, Red Rock	68	180		
Coal	180	184	<u>GAS CHECKS</u>	
Sand, Shale, Red Rock	184	362	1704'	40/10 - 2" w/water
Shale, Red Rock	362	433	1798'	60/10 - 2" w/water
Sand, Red Rock	433	525	1985'	60/10 - 2" w/water
Sand, Shale, Red Rock	525	618	2234'	60/10 - 2" w/water
Sand, Shale, Red Rock	618	930	2607'	150/10 - 2" w/water
Sand, Shale	930	1050	3004'	150/10 - 2" w/water
Sand, Shale, Red Rock	1050	1239	3294'	150/10 - 2" w/water
Sand and Shale	1239	1730	3607'	90/10 - 2" w/water
Little Lime	1730	1740	3763'	90/10 - 2" w/water
Blue Monday	1740	1770	3949'	90/10 - 2" w/water
Big Lime	1770	1834	4289'	100/10 - 2" w/water
Keener	1834	1860	4564'	100/10 - 2" w/water
Big Injun	1860	1932	4594'	80/10 - 2" w/water
Sand and Shale	1932	2080	4745'	100/10 - 2" w/water
Weir	2080	2180	4807'	100/10 - 2" w/water
Sand and Shale	2180	2280	5052'	100/10 - 2" w/water
Berea	2280	2294	5180'	150/10 - 2" w/water
Sand and Shale	2294	2512	5265'	8/10 - 2" w/mercury
Gordon	2512	2530		
Shale and Sandy Shale	2530	3162		
Warren	3162	3202		
Shale and Sandy Shale	3202	3928		
Balltown	3928	3946		
Shale and Sandy Shale	3946	4364		
Riley	4364	4386		
Shale and Sandy Shale	4386	4804		
Benson	4804	4810		
Shale and Sandy Shale	4310	5054		
Alexander	5054	5151		
Shale	5151	5273		
TD	5273			

(Attach separate sheets as necessary)

JAN 19 93

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

- 1) Well Operator: Eastern American Energy Corporation
- 2) Operator's Well Number: ASHLAND/MAXWELL #6 3) Elevation: 1107'  
WVDOD004306
- 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: 5294' feet
- 7) Approximate fresh water strata depths: 110', 309', 424', 609'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 431'-433'
- 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	11-3/4"	F-25	32.0	40'	---	→ O.K. MU
Fresh Water	8-5/8"	F-25	20.0	1207'	1207'	G.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5209'	5209'	38CSR18-11.1
Tubing						
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

(Type)

017 3992  
 Issued 10/19/92  
 Page 3 of 11

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 #6 3) Elevation: 1107'  
WVDOD004306
- 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: 5294' feet
- 7) Approximate fresh water strata depths: 110', 309', 424', 609'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 431'-433'
- 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	11-3/4"	F-25	32.0	40'	---	
Fresh Water	8-5/8"	F-25	20.0	1207'	1207'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5209'	5209'	38CSR18-11.1
Tubing						
Liners						

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

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

**RECEIVED**  
 WV Division of  
 Environmental Protection

34316  
 34

For Division of Oil and Gas Use Only

OCT 07 92

Fee(s) paid:  Well Work Permit  Reclamation Fund  Permit  CP  
 Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Office of Oil & Gas  
 Agent \_\_\_\_\_  
 (Type)

RECEIVED  
Department of Environmental Protection  
07 07 92  
Permitting  
Office of Oil & Gas

1) Date: October 5, 1992  
2) Operator's well number  
ASHLAND/MAXWELL #6 WVD0004306  
3) API Well No: 47 - 017 - 3992  
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>Anna Davies Riley et al</u><br/>Address <u>Rt. 1 Box 161</u><br/><u>Round Hill, VA 22141</u></p> <p>(b) Name <u>Tom Davies, POA</u><br/>Address <u>1006 43rd Street</u><br/><u>Vienna, WV 26105</u></p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rt. 2 Box 135</u><br/><u>Salem, WV 26426</u><br/>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 11 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. Paley  
Its: Designated Agent  
Address P.O. Box N  
Glenville, WV 26351  
Telephone (304) 462-5781



OFFICIAL SEAL NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
MARILYN M. BEAN  
257 N. RIVER AVE.  
WESTON, WV 26452  
My Commission Expires Feb. 26, 2002

Subscribed and sworn before me this 5th day of October, 1992

My commission expires February 26, 2002. Marilyn M. Bean Notary Public