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WV Division of  
Environmental Protection

NOV 19 1996

WR-35

18-Oct-95  
API # 47-017-04223

Permitting  
Office of Oil & Gas  
State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: DAVIES, JOHN R. ETAL Operator Well No.: ASHLND/MAXWL #23  
LOCATION: Elevation: 1154.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE  
Latitude: 10220 Feet South of 39 Deg. 17 Min. 30 Sec.  
Longitude: 6880 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY CORP  
501 56TH STREET  
CHARLESTON WV 26304

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD  
Permit Issued: 10/18/95  
Well work commenced: 04/22/96  
Well work completed: 11/09/96  
Verbal plugging  
permission granted on:  
Rotary  Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5404'  
Fresh water depths (ft) 260'

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1095'	1095'	275 SXS
4-1/2"	-----	5328'	700 SXS

Salt water depths (ft) NONE

Is coal being mined in area? (Y/N) N  
Coal Depths (ft) 960' - 965'

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, 3rd Riley, Riley, Balltown

Pay zone depth (ft) 5239' - 4048'

Gas: Initial open flow 474 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 391 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours

Static rock pressure 1450 psi (surface pressure) after 24 Hours

2nd 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 \_\_\_\_\_ psi (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 WELLBOR

By: Mark Jenkins MARK JENKINS, SENIOR DRILLING SUPERVISOR  
For: EASTERN AMERICAN ENERGY CORPORATION

Date: November 14 1996

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REMARKS  
 Including indication of  
 all fresh & salt water,  
 coal, oil & gas

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	
Soil & Clay			0	20	
Sand and Shale			20	30	
Red Rock			30	35	
Sand and Shale			35	80	
Shale and Red Rock			80	100	
Sand and Shale			100	130	
Red Rock			130	150	
Sandy Shale			150	525	1/2" water @ 260'
Sand			525	550	
Sand and Sandy Shale			550	960	
Coal			960	965	
Sand and Shale and Lime			965	1868	1534' - No show 1837' - No show
Big Lime			1868	1926	1950' - slight odor
Keener			1926	2006	
Big Injun			2006	2029	
Shale			2029	2176	2058' - 16/10 2" w/water
Weir			2176	2280	
Shale			2280	2384	
Berea			2384	2396	
Shale			2396	2581	2401' - 18/10 2" w/water 2559' - 14/10 2" w/water
Gordon			2581	2633	
Shale with Trace Sand			2633	3271	2748' - 14/10 2" w/water 2998' - 28/10 2" w/water
Warren			3271	3313	3312' - 22/10 2" w/water
Shale with Some Sand			3313	4471	3597' - 18/10 2" w/water 3974' - 22/10 2" w/water 4258' - 24/10 2" w/water
Riley			4471	4503	
Shale with Some Sand			4503	4912	4509' - 24/10 2" w/water 4817' - 20/10 2" w/water
Benson			4912	4953	5098' - 20/10 2" w/water
Shale with Trace Silt			4953	5174	
Alexander			5174	5254	5403' - 18/10 2" w/water
Shale			5254	5404	DC-12/10 2" w/water
TD			5404	5404	

ASHMAX23.W35

ASHMAX23.W35

## STAGE ONE:

Alexander  
22 holes (5200' - 5239') Broke down with 8 gals 15% HCl acid. Flow tested, performed pressure build-up. Fractured with 25#/1000 gals cross link gelled system, 50,000 lbs 20/40 sand. Flow tested, performed pressure build-up.

## STAGE TWO:

Benson/3rd Riley  
14 holes (4845' - 4921') Fractured with 25#/1000 gals cross link gel system, 36,000 lbs 20/40 sand and 500 gals 15% HCl acid.

## STAGE THREE:

Riley  
14 holes (4478' - 4499') Fractured with 25#/1000 gals cross link gel system, 32,000 lbs 20/40 sand and 500 gals 20% HCl acid.

## STAGE FOUR:

Balltown  
14 holes (4048' - 4074.5') Fractured with 25#/1000 gals cross link gel system, 32,470 lbs 20/40 sand and 500 gals 20% HCl acid.

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017-04223

Issued 10/16/95

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Expires 10/18/97

FORM WW-2B

OCT 02 1995

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
OFFICE OF OIL & GAS

259

⑧ 671

Well Operator: Eastern American Energy Corporation 14980

Operator's Well Number: Ashland/Maxwell #23 3) Elevation: 1154'

Well type: (a) Oil \_\_\_ / or Gas XX/

(b) If Gas: Production XX/ Underground Storage \_\_\_ /  
Shallow XX/

5) Proposed Target Formation(s): Alexander

6) Proposed Total Depth: 5335 feet

7) Approximate fresh water strata depths: 257'

8) Approximate salt water depths: None

9) Approximate coal seam depths: 201-206, 217-221

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	
Conductor	11-3/4"	F-25	32.0	20	0	
Fresh Water	8-5/8"	F-25	20.0	1075	1075	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal	9-5/8"	F-25	26.0			
Intermediate	*7"	H-40	17.0			
Production	4-1/2"	J-55	10.5		5250	38CSR18-11.1
Tubing						
Liners						

\* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9578 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  Bond  (Type) Agent 10/18

**RECEIVED**  
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OCT 02 1995  
Permitting  
Office of Oil & Gas

1) Date: September 29, 1995  
2) Operator's well number  
Ashland/Maxwell #23  
3) API Well No: 47 - 017 - 04333  
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
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 John R. Davies, et al  
Address 1006 43rd Street  
Vienna, WV 26105
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
Courtesy: \_\_\_\_\_
- (c) Name Tom Davies  
Address 1104 Greenmont Circle  
Vienna, WV 26105
- 6) Inspector Mike Underwood  
Address Rt. 2 Box 135  
Salem, WV 26426  
Telephone (304) - \_\_\_\_\_
- 5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name N/A  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name N/A  
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

Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 13 on the above named parties, by:

Personal Service (Affidavit attached)

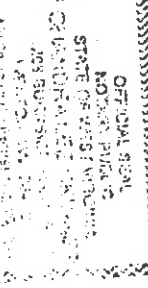
Certified Mail (Postmarked postal receipt attached)

Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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: *[Signature]*  
Its: Designated Agent  
Address P.O. Box 820  
Glenville, WV 26351  
Telephone (304) 462-5781

Subscribed and sworn before me this 29th day of September, 1995  
*[Signature]*  
My commission expires October 10, 2000 Notary Public