

26 1995

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work
Farm name: RILEY, ANNA DAVIES ETAL. Operator Well No.: ASHLND/MAXWL#22

LOCATION: Elevation: 1,161.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 5080 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 9240 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C
P.O. BOX 820
GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 10/28/94

Well work Commenced: 04-03-95

Well work Completed: 04-08-95

Verbal Plugging

Permission granted on: _____ Rig

Rotary X Cable _____ 5484'

Total Depth (feet) _____

Fresh water depths (ft) 130', 800'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N

Coal Depths (ft): None

OPEN FLOW DATA

Producing formation Alexander, Riley (Commingle) pay zone depth (ft) 5310-5453
Gas: Initial open flow 474 MCF/d Oil: Initial open flow N/A Bbl/C
Final open flow 462 MCF/d Final open flow N/A Bbl/C
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1250 psig (surface pressure) after 24 Hours
Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/C
Final open flow _____ MCF/d Final open flow _____ Bbl/C
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Cu. Ft. |
|----------------------|------------------|--------------|---------------------|
| 8 5/8" | 1149' | 1149' | CTS 290 SXS |
| 4 1/2" | ----- | 5403' | 700 SXS |
| | | | |
| | | | |
| | | | |

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATEL 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.

BY: _____

Date: 4-24-95

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

TWO STAGE FRAC

Stage One: Alexander: 24 hole (5262'-5310.5') Fraced w/energized water (150 scf/bbl),
30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals 15% HCl acid and
95,000 scf of N2.

Stage Two: Riley: 16 holes (4532.5'-4567.5'), Fraced w/energized water (150 scf/bbl),
30 lbs gel/1000 gals, 5,000 lbs of 80/100 sand, 40,000 lbs of 20/40 sand,
500 gals 15% HCl acid and 88,000 scf of N2.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|-------------------|-------|--------------|----------|-------------|------------------------------------------------------------------------|
| Sand & Shale | | | 0 | 51 | Including Indication of all fresh and salt water, coal, oil and gas |
| red Rock & Shale | | | 51 | 130 | |
| Sand | | | 130 | 255 | 1/2" H2o @ 130' 1" H2o @ 800' |
| red Rock | | | 255 | 260 | <u>GAS CHECKS</u> |
| Sand | | | 260 | 322 | 1874' - No Show |
| red Rock | | | 322 | 345 | 1966' - No Show |
| Sand | | | 345 | 376 | |
| red Rock | | | 376 | 404 | |
| Sand & Shale | | | 404 | 664 | 2060' - 2/10=1"w/H2o |
| Coal | | | 664 | 668 | 2122' - 2/10=1"w/H2o |
| Shale & Sand | | | 668 | 710 | 2372' - 2/10=1"w/H2o |
| red Rock | | | 710 | 775 | 2528' - 2/10=1"w/H2o |
| Sand | | | 775 | 790 | 2745' - 2/10=1"w/H2o |
| Shale & Red Rock | | | 790 | 815 | 3027' - 2/10=1"w/H2o |
| Shale & Sand | | | 815 | 1120 | 3213' - 2/10=1"w/H2o |
| Shale & Red Rock | | | 1120 | 1132 | 3527' - 2/10=1"w/H2o |
| Sand | | | 1132 | 1152 | 3806' - 2/10=1"w/H2o |
| Shale & Red Rock | | | 1152 | 1180 | 4118' - 2/10=1"w/H2o |
| Sand & Shale | | | 1180 | 1920 | 4430' - 2/10=1"w/H2o |
| Little Lime | | | 1920 | 1952 | 4614' - 4/10=1"w/H2o |
| Pencil Cave | | | 1952 | 1972 | 4892' - 2/10=1"w/H2o |
| Big Lime | | | 1972 | 2048 | 5016' - 4/10=1"w/H2o |
| Keener | | | 2048 | 2094 | 5142' - 4/10=1"w/H2o |
| Big Injun | | | 2094 | 2126 | 5360' - 4/10=1"w/H2o |
| Shale | | | 2126 | 2270 | DC - 4/10=1"w/H2o |
| Weir | | | 2270 | 2369 | |
| Shale | | | 2369 | 2475 | |
| Berea | | | 2475 | 2480 | |
| Shale | | | 2480 | 2682 | |
| Gordon | | | 2682 | 2718 | |
| Shale & Siltstone | | | 2718 | 3339 | |
| Warren | | | 3339 | 3391 | |
| Shale & Siltstone | | | 3391 | 4128 | |
| Balltown | | | 4128 | 4152 | |
| Shale | | | 4152 | 4526 | |
| Riley | | | 4526 | 4573 | |

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WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|------------------------------|----------|-------------|-----------------------------------------------------------------------------------|
| Shale & Siltstone | 4573 | 4894 | |
| Third Riley | 4894 | 4925 | |
| Shale | 4925 | 4977 | |
| Benson | 4977 | 5006 | |
| Shale | 5006 | 5224 | |
| Alexander | 5224 | 5312 | |
| Shale | 5312 | 5484 | |
| Total Depth | | 5484 | |

MAY 1 1995

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017-4166 Issued 10/28/94
 expired 10/28/96
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FORM WW-2B

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

Well Operator: Eastern American Energy Corporation 14980 (8) 671

Operator's Well Number: Ashland/Maxwell #22 3) Elevation: 1161'

Well type: (a) Oil ___ / or Gas XX/

(b) If Gas: Production XX/ Underground Storage ___
 Deep ___ / Shallow XX

19889

Proposed Target Formation(s): Alexander 439 **RECEIVED**
 Environmental Protection

Proposed Total Depth: 5401' _____ feet

Approximate fresh water strata depths: 174', 225', 455' **OCT 11 1994**

Approximate salt water depths: None **Producing**
Operations

Approximate coal seam depths: 54'-59', 104'-109, 609'-614', 664'-667'

Does land contain coal seams tributary to active mine? Yes ___ / No XX/

Proposed Well Work: Drill and complete new well.

Offset Wells: DODD-588, 1412, 2327, 2691, 3891 **CASING AND TUBING PROGRAM**

Red Rock: 1048'

| TYPE | SPECIFICATIONS | | | FOOTAGE INTERVALS | | CEMENT |
|--------------|----------------|-------|----------------|-------------------|--------------|-------------------------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | |
| Conductor | 11-3/4" | F-25 | 32.0 | 20' | ----- | Fill-up (cu. ft.) <i>A-Bk-Mc</i> |
| Fresh Water | 8-5/8" | F-25 | 20.0 | 1161' | 1161' | C.T.S. 38CSR18-11.3 |
| Coal | ----- | ---- | ---- | ----- | 5316' | 38CSR18-11.2.2 |
| Intermediate | * ----- | ---- | ---- | ----- | ----- | ----- |
| Production | 4-1/2" | J-55 | 10.5 | ----- | 5316' | 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: *[Signature]* Well Work Permit *[Signature]* Reclamation Fund *[Signature]* WPCP
 Plat *[Signature]* WW-9 *[Signature]* Bond *Blanket* (Type) Agent

1) Date: October 6, 1994
2) Operator's well number
Ashland/Maxwell #22
3) API Well No: 47 - 017 - 4166
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 Anna Davies Riley, et al
Address Rt. 1 Box 161
Round Hill, VA 22141
(b) Name Tom Davies, POA
Address 1006 43rd Street
Vienna, WV 26105
(c) Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name N/A
Address _____
Name _____
Address _____
Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - _____

RECEIVED
Division of Environmental Protection
OCT 11 1994

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 xxx 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 9 on the above named parties, by: _____
xxx Personal Service (Affidavit attached)
xxx Certified Mail (Postmarked postal receipt attached)
xxx 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.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CHANDRA LEE SKINNER
208 BURNSIDE AVENUE
WESTON, WV 26453
My Commission Expires Oct. 1, 2000

Well Operator Eastern American Energy Corporation
BY: Chandra Lee Skinner
Its: Designated Agent
Address P.O. Box 820
Glenville WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 6th day of October, 1994
My commission expires October 10, 2000 Chandra Lee Skinner Notary Public