

39° 17' 30" LATITUDE 39° 17' 30"

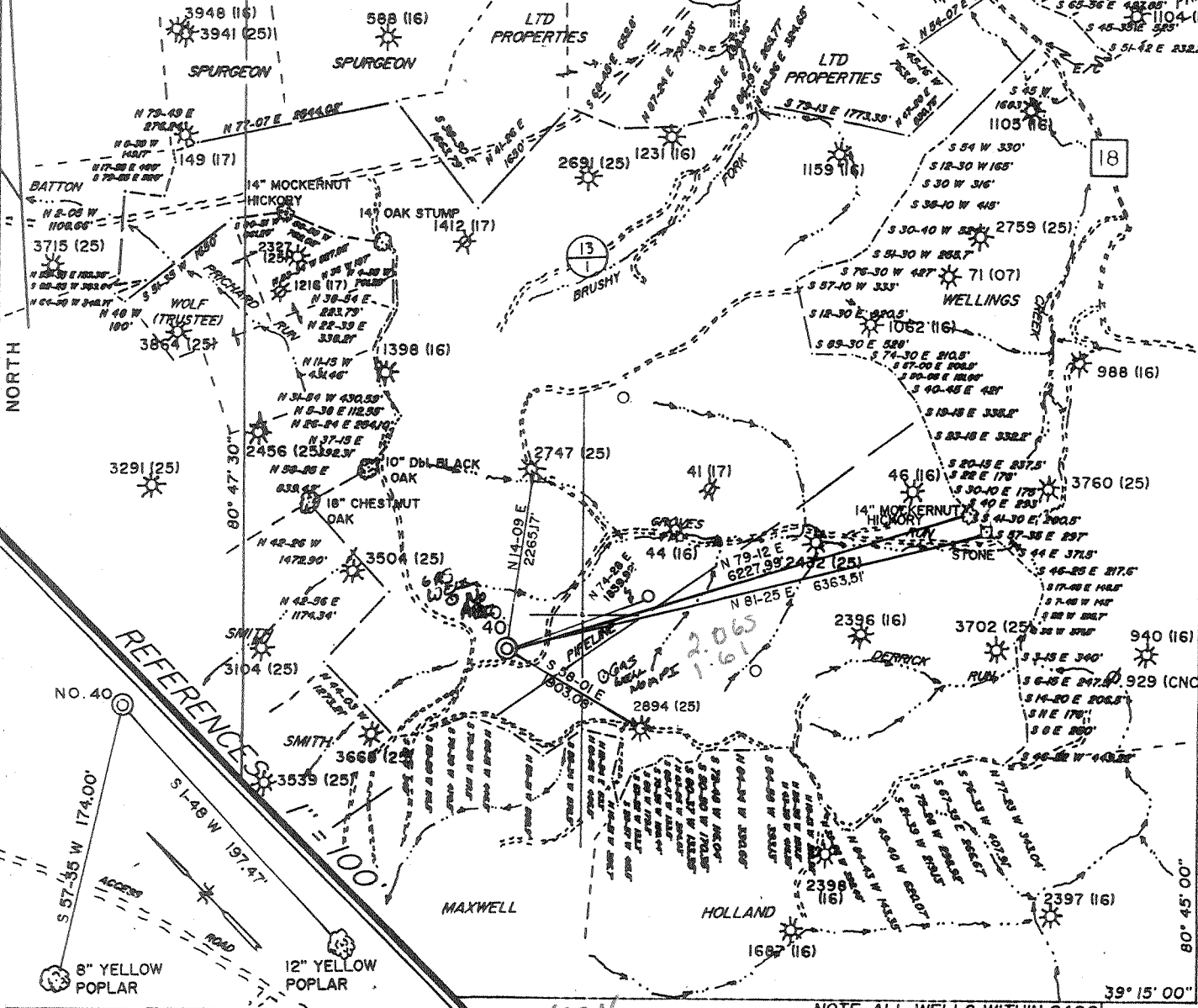
LONGITUDE 80° 45' 00"

*Jamie 8/9/93*

# ASHLAND / MAXWELL LEASE

## 1564.81 ACRES ±

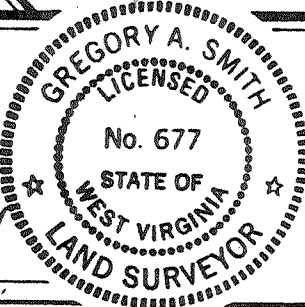
### WELL NO. 40



NOTE: ALL WELLS WITHIN 2400' ARE SHOWN HEREON.

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.

L.L.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE DECEMBER 23, 19 92  
 OPERATORS WELL NO. ASHLAND / MAXWELL  
 WELL NO. 40  
 API WELL NO. 47 - 017 - 4032  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (42-23)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1352' SCALE 1" = 2000'

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 1151' WATERSHED  GROVES RUN OF BLUESTONE CREEK  
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'  
 SURFACE OWNER ANNA DAVIES RILEY ET. AL. ACREAGE 1498.73  
 ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 1564.81  
 PROPOSED WORK: LEASE NO. WV02526 - +  
 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 5383'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI  
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th ST. CHARLESTON, WV 25304

COUNTY NAME PERMIT

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.: ASHLD/MAXWL #40

LOCATION: Elevation: 1,151.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE  
Latitude: 10880 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 8520 Feet West of 80 Deg. 45 Min. Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD  
Permit Issued: 08/09/93  
Well work Commenced: 09/03/93  
Well work Completed: 09/22/93  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary xx Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5394'  
Fresh water depths (ft) 60', 290',  
300'  
Salt water depths (ft) None

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

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8-5/8"               | 1179.70'         | 1179.70'     | CTS<br>285 sxs         |
| 4-1/2"               | ----             | 5316.35'     | 700 sxs                |
| 1-1/2"               | ----             | 5139.35'     | ----                   |
|                      |                  |              |                        |
|                      |                  |              |                        |

OPEN FLOW DATA

(Commingled)

Producing formation Alexander, Riley, Balltown Pay zone depth (ft) 5206'-4029.5'  
Gas: Initial open flow 750 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 660 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1260 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.

By: Ronald L. Rech, Regional Drilling Manager  
Date: December 10, 1993

JAN 1 - 1994

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

3 Stage Frac

- Stage One Alexander: 19 holes (5155'-5206'), 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 110,000 scf of N2.
- Stage Two Riley: 14 holes (4443'-4476.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 40,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 87,000 scf of N2.
- Stage Three Balltown: 14 holes (4029.5'-4053'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 45,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 95,000 scf of 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 |
| Clay           |       |              | 0        | 3           |   |
| Sand and Shale |       |              | 3        | 60          | Damp @ 60'  |
| Sand           |       |              | 60       | 76          |   |
| Red Rock       |       |              | 76       | 81          | Damp @ 90'  |
| Sand and Shale |       |              | 81       | 840         | Damp @ 290'   |
| Sand           |       |              | 840      | 860         | 1/2" stream water @ 300'  |
| Sand and Shale |       |              | 860      | 1069        |   |
| Sand           |       |              | 1069     | 1150        | 1800' - No Show   |
| Sand and Shale |       |              | 1150     | 1825        | 1921' - 4/10 thru 7" w/water (900MC)                                |
| Little Lime    |       |              | 1825     | 1836        | 2143' - 4/10 thru 7" w/water (900MC)                                |
| Sand and Shale |       |              | 1836     | 1864        | 2301' - 4/10 thru 7" w/water (900MC)                                |
| Big Lime       |       |              | 1864     | 1924        | 2494' - 4/10 thru 7" w/water (900MC)                                |
| Big Injun      |       |              | 1924     | 2023        | 2712' - 4/10 thru 7" w/water (900MC)                                |
| Shale          |       |              | 2023     | 2172        | 3186' - 4/10 thru 7" w/water (900MC)                                |
| Weir           |       |              | 2172     | 2280        | 3200' - 4/10 thru 7" w/water (900MC)                                |
| Shale          |       |              | 2280     | 2374        | 3500' - 2/10 thru 7" w/water (637MC)                                |
| Berea          |       |              | 2374     | 2384        | 3900' - 2/10 thru 7" w/water (637MC)                                |
| Shale          |       |              | 2384     | 2570        | 4350' - 4/10 thru 7" w/water (900MC)                                |
| Gordon         |       |              | 2570     | 2620        | 4600' - 4/10 thru 7" w/water (900MC)                                |
| Sand and Shale |       |              | 2620     | 3238        | 4859' - 2/10 thru 7" w/water (637MC)                                |
| Warren         |       |              | 3238     | 3292        | TD - 2/10 thru 7" w/water (637MC)                                   |
| Shale          |       |              | 3292     | 3308        |   |
| Speechley      |       |              | 3308     | 3400        |   |
| Sand and Shale |       |              | 3400     | 4006        |   |
| Balltown       |       |              | 4006     | 4060        |   |
| Sand and Shale |       |              | 4060     | 4440        |   |
| Riley          |       |              | 4440     | 4478        |   |
| Sand and Shale |       |              | 4478     | 4800        |   |
| 3rd Riley      |       |              | 4800     | 4834        |   |
| Shale          |       |              | 4834     | 4890        |   |
| Benson         |       |              | 4890     | 4900        |   |
| Shale          |       |              | 4900     | 5135        |   |
| Alexander      |       |              | 5135     | 5223        |   |
| Shale          |       |              | 5223     | 5394        |   |
| Total Depth    |       |              |          | 5394        |   |

(Attach separate sheets as necessary)

17642

017-4032  
 Issued 8/9/93  
 Page 3 of 11  
 Expires 8/9/95

FORM WW-2B JUL 1 8 93

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

- 1) Well Operator: <sup>25A</sup> Eastern American Energy Corporation 14980 (8) 671
- 2) Operator's Well Number: ASHLAND/MAXWELL #40 3) Elevation: 1151'
- Well type: (a) Oil \_\_\_/ or Gas XX/
- (b) If Gas: Production XX/ Underground Storage \_\_\_/  
 Deep \_\_\_/ Shallow XX/
- Proposed Target Formation(s): <sup>439</sup> Alexander
- Proposed Total Depth: 5383 feet
- Approximate fresh water strata depths: 98', 401', 448'
- 8) Approximate salt water depths: 1550'
- 9) Approximate coal seam depths: None
- 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           | 16'               |              |                        |
| Fresh Water  | 8-5/8"         | F-25  | 20.0           | 1250'             | 1250'        | C.T.S.<br>38CSR18-11.3 |
| Coal         |                |       |                |                   |              | 38CSR18-11.2.2         |
| Intermediate | *              |       |                |                   |              |                        |
| Production   | 4-1/2"         | J-55  | 10.5           |                   | 5300'        | 38CSR18-11.1           |
| Tubing       |                |       |                |                   |              |                        |
| Liners       |                |       |                |                   |              |                        |

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

(Type)

17642

37484  
13

RECEIVED  
Environmental Protection  
JUL 19 93  
Permitting  
Office of Oil & Gas

1) Date: July 14, 1993  
2) Operator's well number  
ASHLAND/MAXWELL #40  
3) API Well No: 47 - 017 - 4032  
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 43rd Street  
Vienna, WV 26105  
(c) Name  
Address  
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  
Name  
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  
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. Paletti *John M. Paletti*  
Its: Designated Agent  
Address P.O. Box 820  
Glenville, WV 26351  
Telephone 304/462-5781

Subscribed and sworn before me this 14th day of July, 1993

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

