

James Hapalas

ASHLAND / MAXWELL
LEASE
936.86
ACRES ±

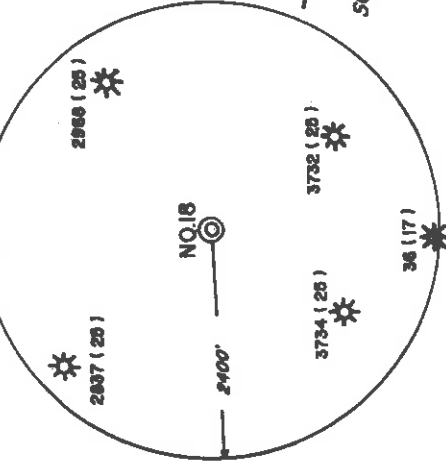
LINE TABLE
A. S 70-06 E 102.94'
B. S 87-17 E 200.01'
C. S 70-49 E 338.9'

HOLLAND

WELL NO. 18

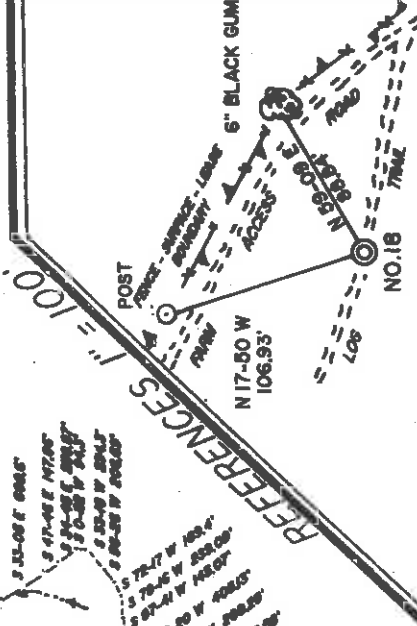
NORTH

MARY HARPER HAMBLET HEIRS



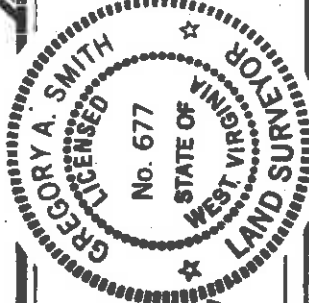
WEST UNION DISTRICT
SOUTHWEST DISTRICT

HENDERSON



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. *Gregory A. Smith*
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 2, 19 93
OPERATORS WELL NO. ASHLAND / MAXWELL
API WELL NO. 18
WELL NO. 47 - 017 04234
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2177 (42-37)

PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1323' SCALE 1" = 2000'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



WELL TYPE: OIL ___ GAS LIQUID WASTE DISPOSAL ___ "GAS" PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 1161' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODD RIDGE QUADRANGLE OXFORD 7.5' HOLD

SURFACE OWNER CHARLES P. HEASTER ET. AL. ACREAGE 936.86

ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. LEASE NO. WVO2358 - 1

PROPOSED WORK: 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 5.25'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI

ADDRESS BOX N GLENVILLE, WV 26331 ADDRESS 501.56th ST., CHARLESTON, WV 25304

RECEIVED
WV Division of
Environmental Protection

WR-35
NOV 04 1996

API # 47-017-04234
12-Dec-95

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: HEASTER, CHARLES P. Operator Well No.: ASHLND/MAXWL 18

LOCATION: Elevation: 1,161.00 Quadrangle: OXFORD
District: WEST UNION County: DODDRIDGE
Latitude: 2840 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 11230 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: 12/13/95
Well work commenced: 06/11/96
Well work completed: 06/16/96
Verbal plugging permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5346'
Fresh water depths (ft) 250'

| Casing & Tubing | Used in Well | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|--------------|--------------|------------------------|
| 8-5/8" | 1107' | 1107' | 275 SXS |
| 4-1/2" | ----- | 5255' | 725 SXS |
| | | | |
| | | | |

Salt water depths (ft) 1385'

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

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Riley
 Pay zone depth (ft) 5188' - 4423'
 Gas: Initial open flow 712 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 377 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests _____ 15 Hours
 Static rock pressure 1275 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 WELLBORE

By: Mark Jenkins
Date: OCTOBER 9, 1996

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

NOV 8 1996

NOV 8 1996

| FORMATION | COLOR | HARD OR SOFT | TOP | | BOTTOM | | REMARKS |
|--------------------------|-------|--------------|------|------|--------|------|--|
| | | | FEET | FEET | FEET | FEET | |
| Cond. Sand & Sandy Shale | | | 0 | 32 | | | Including indication of all fresh & salt water coal, oil & gas |
| Red Rock | | | 844 | 844 | 900 | | 1/2" water @ 250' |
| Sand & Sandy Shale | | | 900 | 1796 | 1796 | | Hole wet @ 1385' (soap) 1623' No show |
| Limestone & Shale | | | 1796 | 1808 | 1808 | | |
| Shale | | | 1808 | 1820 | 1820 | | |
| Big Lime | | | 1839 | 1905 | 1905 | | 1904' No show |
| Keener | | | 1905 | 1934 | 1934 | | |
| Big Injun | | | 1939 | 1977 | 1977 | | |
| Shale | | | 1977 | 2133 | 2133 | | 2125' 28/10 2" w/water |
| Weir | | | 2133 | 2242 | 2242 | | |
| Shale | | | 2242 | 2337 | 2337 | | |
| Berea | | | 2337 | 2346 | 2346 | | 2469' 18/10 2" w/water |
| Shale | | | 2346 | 2532 | 2532 | | |
| Gordon | | | 2532 | 2581 | 2581 | | |
| Shale w/Trace Silt | | | 2581 | 3222 | 3222 | | |
| Warren | | | 3222 | 3265 | 3265 | | |
| Shale w/Trace sand | | | 3265 | 4405 | 4405 | | |
| Riley | | | 4405 | 4450 | 4450 | | |
| Shale w/Trace Sand | | | 4450 | 4720 | 4720 | | 4469' 30/10 2" w/water |
| Third Riley | | | 4720 | 4745 | 4745 | | |
| Shale | | | 4745 | 4802 | 4802 | | |
| Benson | | | 4802 | 4811 | 4811 | | 4815' 24/10 2" w/water |
| Shale | | | 4811 | 5102 | 5102 | | |
| Alexander | | | 5102 | 5198 | 5198 | | 5250' 26/10 2" w/water |
| Shale | | | 5198 | 5346 | 5346 | | 10 fcs down: 12/10 2" w/water 10/10 2" w/water |
| TD | | | 5346 | | | | DC |

017 4234

STAGE ONE:

Alexander
20 holes (5143' - 5188') Fractured with gelled water, 30# gel/1000 gals,
50,000 lbs 20/40 sand, 250 gals 15% HCl acid.

STAGE TWO:

Riley
14 holes (4423' - 4430') Fractured with gelled water, 30# gel/1000 gals,
5,000 lbs 80/100 sand, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid.

NOV 8 1986

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

Well Operator: Eastern American Energy Corporation 14980 (8) 526

259

Operator's Well Number: Ashland/Maxwell #18 3) Elevation: 1161'

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

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

- 5) Proposed Target Formation(s): Alexander ⁴³⁹
- 6) Proposed Total Depth: 5251' feet
- 7) Approximate fresh water strata depths: 73', 104', 328', 578'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 649'-654'
- 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' | ----- | Fill-up (cu. ft.) |
| Fresh Water | 8-5/8" | F-25 | 20.0 | 1075' | 1075' | <u>Q</u> C.T. # 38CSR18-11.3 |
| Coal | | | | | | 38CSR18-11.2, 2 |
| Intermediate | * | | | | | |
| Production | 4-1/2" | J-55 | 10.5 | ----- | 5166' | 38CSR18-11.1 |
| Tubing | | | | | | |
| Liners | | | | | | |

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 95/8 casing.
 PACKERS : Kind _____ Sizes _____ Depths set _____

12/27/95
 Fee(s) paid: Q Well Work Permit Q Reclamation Fund Q WPCP
 Plat Q WW-9 Q Bond Q Agent Q (Type) Q 13

Permitting
Office of Oil & Gas

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Date: November 22, 1995
2) Operator's well number Ashland/Maxwell #18
3) API Well No: 47 - 017 - 4234
State County Permit

4) Surface Owner(s) to be served:
(a) Name Charles P. Heaster
Address Rt. 1 Box 57
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - _____

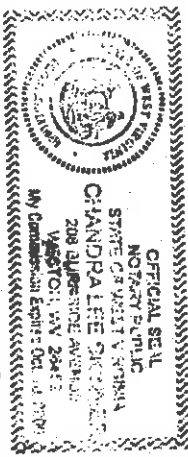
5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name Emily Trefz
Address 306 Main Street
Weston, WV 26452
Name _____
Address _____
(c) Coal Lessee with Declaration
Name N/A
Address _____

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
X 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 9 on the above named parties, by:
X 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: John M. Callahan
Its: Designated Agent
Address P.O. Box 820
Glennville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 22nd day of November, 1995
Candice Lee Skinner Notary Public
My commission expires October 10, 2000