

10,330'

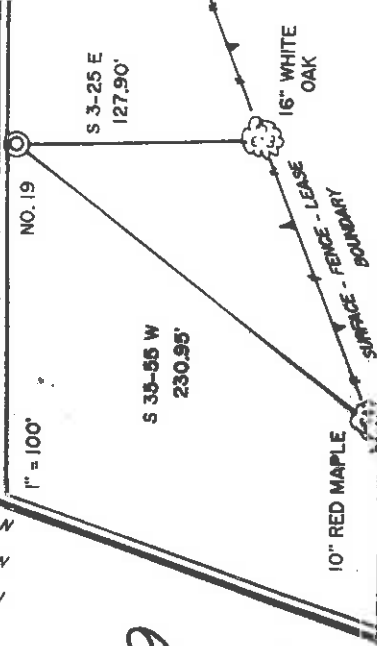
LATITUDE 39° 15' 00"

LONGITUDE 80° 45' 00"

ASHLAND / MAXWELL LEASE 885.20 OF 2654 ACRES ±



REFERENCES



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*
LAND SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 3, 19 92
OPERATORS WELL NO. ASHLAND/MAXWELL
API WELL NO. 19
WELL NO. 19

STATE 47 COUNTY 017 PERMIT 04213

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (42-17)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1378' SCALE 1" = 2000'

WELL TYPE : OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION : ELEVATION 1245' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE
SURFACE OWNER LUCY E. HARPER
ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL.
LEASE ACRES 446 OF 885.2 OF 2654
LEASE NO. WV02358 - +

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) ALEXANDER
ESTIMATED DEPTH 5328'

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

RECEIVED
WV Division of
Environmental Protection

NOV 04 1996

WR-35

Permitting

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

05-Sep-95
API # 47-017-04213

Well Operator's Report of Well Work

Farm name: HARPER, LUCY E. Operator Well No.: ASHLND/MAXWL 19
LOCATION: Elevation: 1,245.00 Quadrangle: OXFORD
District: WEST UNION County: DODDRIDGE
Latitude: 13470 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 10330 Feet West of 80 Deg. 47 Min. 0 Sec.

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

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD
Permit Issued: 09/05/95
Well work commenced: 08/01/96
Well work completed: 08/07/96
Verbal plugging
permission granted on:
Rotary Cable _____ Rig
Total Depth (feet) 5328'
Fresh water depths (ft) 125'

| Casing & Tubing | Used in Well | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|--------------|--------------|------------------------|
| 8-5/8" | 1150' | 1150' | 285 SXS |
| 4-1/2" | ----- | 5287' | 700 SXS |
| | | | |
| | | | |

Salt water depths (ft) NONE

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

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, Riley, Bradford, Balltown

Pay zone depth (ft) 5206' - 4186'

Gas: Initial open flow 581 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 393 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock pressure 1460 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 SYSTEMA
DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBOI

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

By: _____
Date: OCTOBER 18, 1996

NOV 6 1996

NOV 8 1996

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|--------------------|-------|--------------|----------|-------------|-------------------------|
| Cond. | | | 0 | 32 | |
| Sand & Sandy Shale | | | 32 | 1858 | 1/2" water @ 125' |
| Big Lime | | | 1858 | 1920 | |
| Keener | | | 1920 | 1944 | |
| Big Injun | | | 1944 | 2006 | 2131' -26/10 1" w/water |
| Weir | | | 2156 | 2268 | 2319' -26/10 1" w/water |
| Berea | | | 2360 | 2367 | 2414' -22/10 1" w/water |
| Gordon | | | 2594 | 2598 | 2694' -20/10 1" w/water |
| Warren | | | 3226 | 3274 | 3008' -20/10 1" w/water |
| Balltown | | | 3828 | 3832 | 3478' -18/10 1" w/water |
| Lower Balltown | | | 4184 | 4200 | 3854' -14/10 1" w/water |
| Bradford | | | 4308 | 4323 | 4042' -18/10 1" w/water |
| Riley | | | 4432 | 4460 | 4323' -16/10 1" w/water |
| Benson | | | 4872 | 4876 | 4760' -10/10 1" w/water |
| Alexander | | | 5154 | 5220 | 4979' -30/10 1" w/water |
| TD | | | | 5328 | 5292' -30/10 1" w/water |

ASHMAX19.W35

NOV 8 1996

017 4213

STAGE ONE:

Alexander
23 holes (5163' - 5206') Fractured with gelled water, 30# gel/1000 gals, 50,000 lbs 20/40 sand, 250 gals 15% HCl acid. ASH/MAX19.W35

STAGE TWO:

Benson
14 holes (4871' - 4876') Fractured with gelled water, 30# gel/1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid.

STAGE THREE:

Riley/Bradford
14 holes (4316' - 4453.5') Fractured with gelled water, 30# gel/1000 gals, 5,000 lbs of 80/100 sand, 32,000 lbs of 20/40 sand and 500 gals of 28% HCl acid.

STAGE FOUR:

Balltown
14 holes (4186' - 4225') Fractured with gelled water, 30# gel/1000 gals, 36,000 lbs of 20/40 sand and 500 gals 15% HCl acid.

NOV 8 1996

017-4213

AUG 21 1995

FORM WW-2B

Issued 09/05/95

Page 3 of 9

Permitting
 OFFICE OF ENVIRONMENTAL PROTECTION
 STATE OF WEST VIRGINIA
 DIVISION OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

259

526

Well Operator: Eastern American Energy Corporation 14980 (8)

Operator's Well Number: Ashland/Maxwell #19

Elevation: 1245'

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

(b) If Gas: Production XX/ Undergound Storage ___ /
 Deep 439 / Shallow XX/

Proposed Target Formation(s): Alexander

Proposed Total Depth: 5328' _____ feet

Approximate fresh water strata depths: 61', 216', 375', 876'

Approximate salt water depths: 1400', 1441'

Approximate coal seam depths: 60'-64'

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

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 | 13-3/8" 11-3/4" | F-25 F-25 | 37.0 32.0 | 20' | 0 | |
| Fresh Water | 8-5/8" | F-25 | 20.0 | 1150' | 1150' <i>CF</i> | C.T.S. 38CSR18-11.3 |
| Coal | 9-5/8" | F-25 | 26.0 | <i>Jefferson City of Babbs Surface Pipe</i> | | 38CSR18-11.2.2 |
| Intermediate | 7" | H-40 | 17.0 | | | C.T.S. |
| Production | 4-1/2" | J-55 | 10.5 | 5328' | | 38CSR18-11.1 |
| Tubing | | | | | | |
| Liners | | | | | | |

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 95' cased 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

(Type)

12091536

5

AUG 2 1 1995

1) Date: August 18, 1995
2) Operator's well number
Ashland/Maxwell #19
3) API Well No: 47 - 017 - 4213
State - County - Permit

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

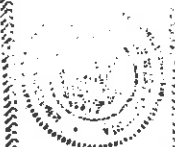
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Lucy E. Harper
Address 511 Boca Ciega Point Blvd. N.
St. Petersburg, FL 33708
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - 782-1043
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
 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:
 Personal Service (Affidavit attached)
 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. Gallett
Its: Designated Agent
Address P.O. Box 820
Glennville, WV 26351
Telephone (304) 462-5781
I have read and sworn before me this 18th day of August, 1995
Charles Lee Skinner Notary Public
My commission expires October 10, 2000