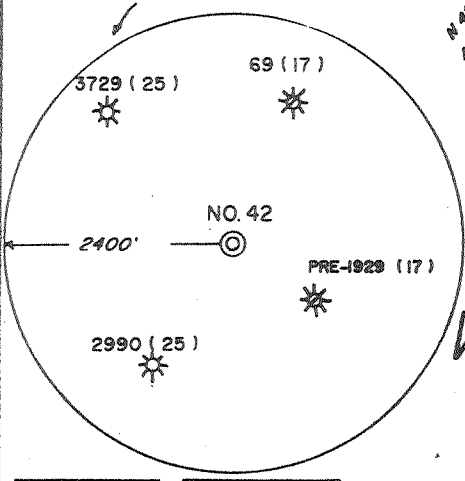


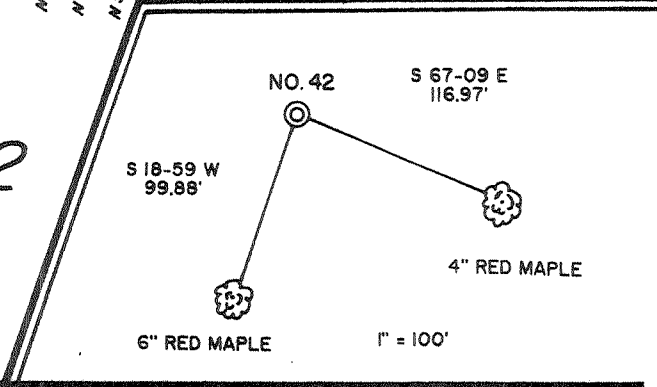
ASHLAND / MAXWELL LEASE

885.20 OF 2654 ACRES±



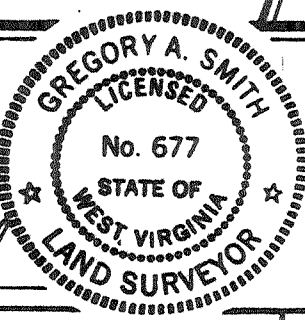
WELL NO. 42

1.96
2.56



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 MARCH 1, 19 93
 OPERATORS WELL NO. ASHLAND/MAXWELL
 WELL NO. 42
 API WELL NO. 47 - 017 - 4046
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (42-35)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1378' 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 1210' WATERSHED LEFT FORK OF ARNOLDS CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER LUCY E. HARPER ACREAGE 442.6
 ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. LEASE ACREAGE 442.6 OF 885.2 OF 2654
 PROPOSED WORK: LEASE NO. WVO2358 - +
 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 5329'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENNVILLE, 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: HARPER, LUCY E, Operator Well No.: ASHLD/MAXWL #42

LOCATION: Elevation: 1,210.00 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE
Latitude: 10350 Feet South of 39 Deg. 15Min. Sec.
Longitude 1780 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 09/23/93
Well work Commenced: 09/30/93
Well work Completed: 10/18/93
Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) 5514'
Fresh water depths (ft) 100', 110'
Salt water depths (ft) 1392'

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8-5/8" | 1221.75' | 1221.75' | 300 sxs |
| 4-1/2" | ---- | 5342' | 740 sxs |
| | | | |
| | | | |
| | | | |

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

OPEN FLOW DATA

(COMMINGLED)

Alexander, Benson, 3rd Riley, 2nd Riley, 5239'-
Producing formation Riley, Bradford, Balltown Pay zone depth (ft) 4018'
Gas: Initial open flow 1007 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 750 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1275 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: 12-20-93

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

4 STAGE FRAC

Stage One Alexander: 19 holes (5200'-5239'), 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 120,000 scf of N2.

Stage Two Benson/
3rd Riley/
2nd Riley: 14 holes (4738'-4905'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 584 gals of 15% HCL acid and 100,000 scf of N2.

Stage Three Riley: 12 holes (4464'-4487.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 35,000 lbs of 20/40 sand, 462 gals of 15% HCL acid and 80,000 scf of N2.

Stage Four Bradford/
Lower Balltown/
Middle Balltown: 14 holes (4018'-4362'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 462 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 | |
| Sandy Shale | | | 3 | 10 | |
| Black Shale | | | 10 | 15 | |
| Sand and Shale | | | 15 | 45 | |
| Shale and Red Rock | | | 45 | 80 | |
| Sand and Sandy Shale | | | 80 | 202 | Damp @ 100' |
| Red Rock | | | 202 | 267 | 1/2" water @ 110' |
| Sand and Sandy Shale | | | 267 | 430 | |
| Red Rock | | | 430 | 446 | |
| Sandy Shale | | | 446 | 503 | |
| Red Rock | | | 503 | 528 | |
| Sand and Lime | | | 528 | 536 | |
| Sand | | | 536 | 551 | |
| Sandy Shale | | | 551 | 720 | |
| Red Rock | | | 720 | 780 | |
| Shale | | | 780 | 820 | |
| Red Rock | | | 820 | 970 | |
| Sandy Shale and Sand | | | 970 | 1844 | 1" water @ 1392' |
| Little Lime | | | 1844 | 1868 | |
| Shale | | | 1868 | 1888 | |
| Big Lime | | | 1888 | 1950 | |
| Keener | | | 1950 | 2000 | |
| Big Injun | | | 2000 | 2030 | |
| Shale | | | 2030 | 2184 | |
| Weir | | | 2184 | 2300 | |
| Shale | | | 2300 | 2388 | |
| Berea | | | 2388 | 2396 | |
| Shale with some sand | | | 2396 | 3250 | |
| Warren | | | 3250 | 3307 | |
| Shale | | | 3307 | 3324 | |
| Speechley | | | 3324 | 3414 | |
| Shale with some sand | | | 3414 | 4015 | |

JAN 1 - 1994

(Attach separate sheets as necessary)

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|----------------|-------|--------------|----------|-------------|--|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Upper Balltown | | | 4015 | 4080 | <u>Gas Checks:</u> 1793' - No Show 1918' - No Show 1970' - Oil Odor 2107' - No Show 2266' - 8/10 thru 2" w/water 2393' - 8/10 thru 2" w/water 2420' - Oil Odor 2706' - 4/10 thru 2" w/water 3117' - 4/10 thru 2" w/water 3307' - 4/10 thru 2" w/water 3844' - 4/10 thru 2" w/water 4319' - 4/10 thru 2" w/water 4504' - 10/10 thru 2" w/water 4696' - 8/10 thru 2" w/water 4822' - 8/10 thru 2" w/water 4976' - 8/10 thru 2" w/water TD - 4/10 thru 2" w/water DC - 4/10 thru 2" w/water |
| Shale | | | 4080 | 4222 | |
| Lower Balltown | | | 4222 | 4254 | |
| Shale | | | 4254 | 4344 | |
| Bradford | | | 4344 | 4370 | |
| Shale | | | 4370 | 4450 | |
| First Riley | | | 4450 | 4500 | |
| Shale | | | 4500 | 4692 | |
| Second Riley | | | 4692 | 4749 | |
| Shale | | | 4749 | 4815 | |
| Third Riley | | | 4815 | 4850 | |
| Shale | | | 4850 | 4896 | |
| Benson | | | 4896 | 4910 | |
| Shale | | | 4910 | 5055 | |
| Leopold | | | 5055 | 5084 | |
| Shale | | | 5084 | 5164 | |
| Alexander | | | 5164 | 5259 | |
| Shale | | | 5259 | 5514 | |
| Total Depth: | | | | 5514 | |

17643

JAN 1 - 1994

JUL 19 93

017-~~4046~~

FORM WW-2B Permitting Office of Oil & Gas

Page 3 of 8

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

Issued 9/23/93

Expires 9/23/95

- 1) Well Operator: Eastern American Energy Corporation ²⁵⁹ 14980 (8) 526
- 2) Operator's Well Number: ASHLAND/MAXWELL #42 3) Elevation: 1210'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander ⁴³⁹
- 6) Proposed Total Depth: 5329 feet
- 7) Approximate fresh water strata depths: 340', 444'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 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 | 1325' | 1325' | C.T.S. 38CSR18-11.3 38CSR18-11.2.2 |
| Coal | | | | | | |
| Intermediate | * | | | | | |
| Production | 4-1/2" | J-55 | 10.5 | | 5245' | 38CSR18-11.1 |
| Tubing | | | | | | |
| Liners | | | | | | |

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9-5/8" 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)

17643

37487
13

RECEIVED
JUL 16 1993
Permitting
Office of Oil & Gas

- 1) Date: July 16, 1993
- 2) Operator's well number
ASHLAND/MAXWELL #42
- 3) API Well No: 47 - 017 - 4046
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 Lucy E. Harper
 - Address 511 Boca Ciega Pt. Blvd.
St. Petersburg, FL 33708
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 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 _____
- 6) Inspector Mike Underwood
 - Address Rt. 2 Box 135
Salem, WV 26426
 - Telephone (304)- _____

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 8 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. Paletti
Its: Designated Agent
Address P.O. Box 820
Glenville, WV 26351
Telephone 304/462-5781

Subscribed and sworn before me this 16th day of July, 1993

Marilyn M. Dean Notary Public
My commission expires February 26, 2002.

