

John P. Heaster

ASHLAND / MAXWELL
LEASE
936.86
ACRES ±

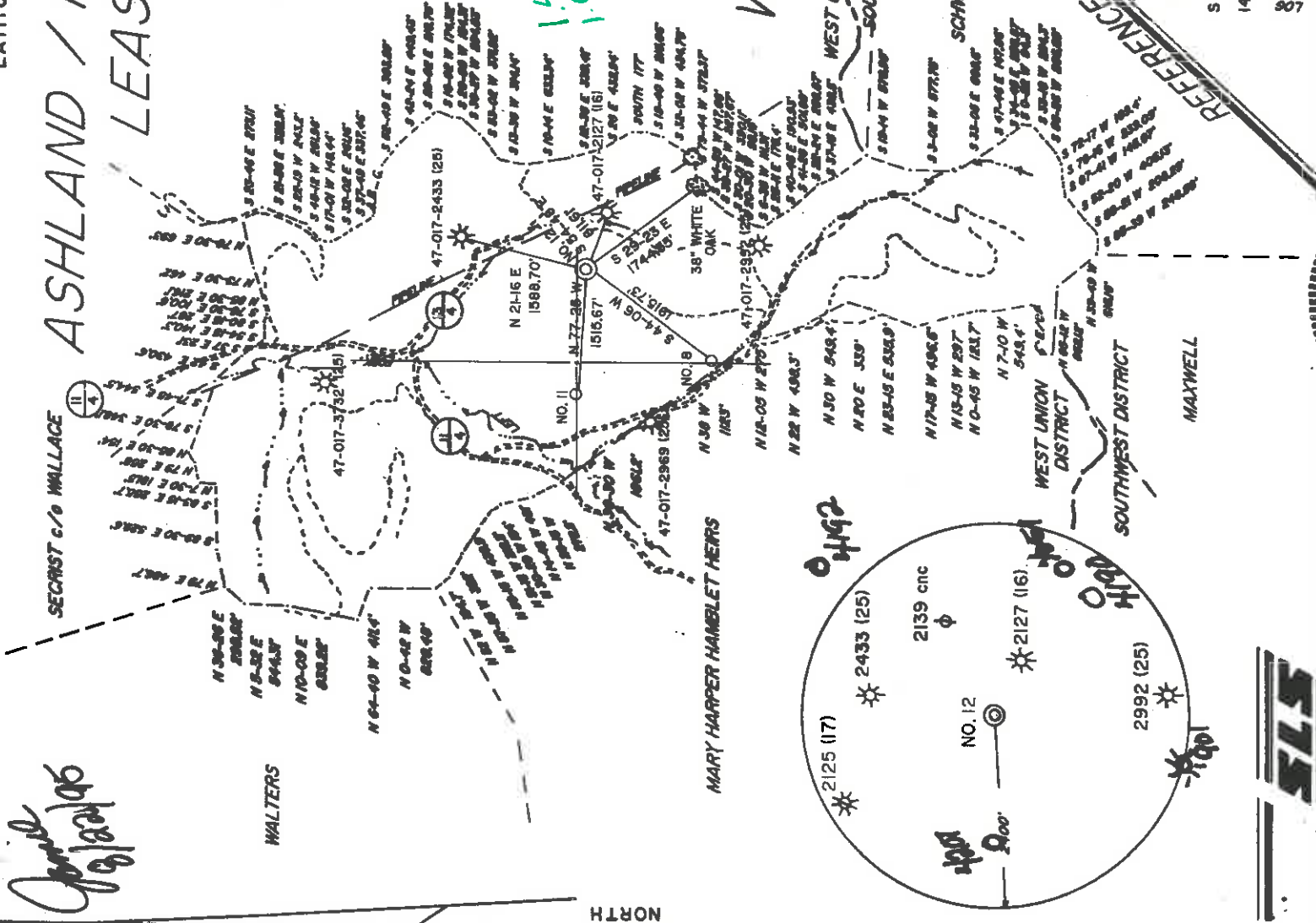
LINE TABLE

A. S 70-06 E 102.9'
B. S 87-17 E 202.0'
C. S 75-40 E 308.9'

HOLLAND

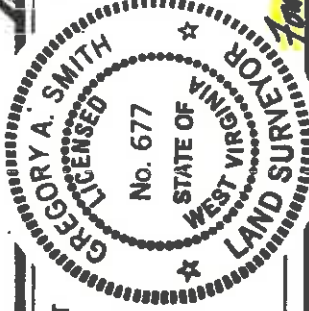
1.405
1.05

WELL NO. 12



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



MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1323'
FILE NO. 2177 (39-62)
SCALE 1" = 2000'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE SEPTEMBER 22, 19 92
OPERATORS WELL NO. ASHLAND / MAXWELL
API WELL NO. 12
WV DDD000152
47-017-04208
STATE OF WEST VIRGINIA COUNTY PERMIT
Family 47-017-04207 Cancelled



WELL TYPE: OIL ___ GAS X LIQUID WASTE DISPOSAL ___ "GAS" PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
ELEVATION 1106' LOCATION: WATERSHED LEFT FORK OF ARNOLDS CREEK
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5' ACREAGE 936.86
SURFACE OWNER CHARLES P. HEASTER ET. AL. LEASE NO. WVO2358-4
ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. LEASE ACREAGE 936.86
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5242'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N GLENVILLE, WV 26351
COUNTY NAME COUNTY PERMIT
ADDRESS 501 66th ST., CHARLESTON, WV 25304

D000 4007 CANC

ASHLAND / MAXWELL LEASE

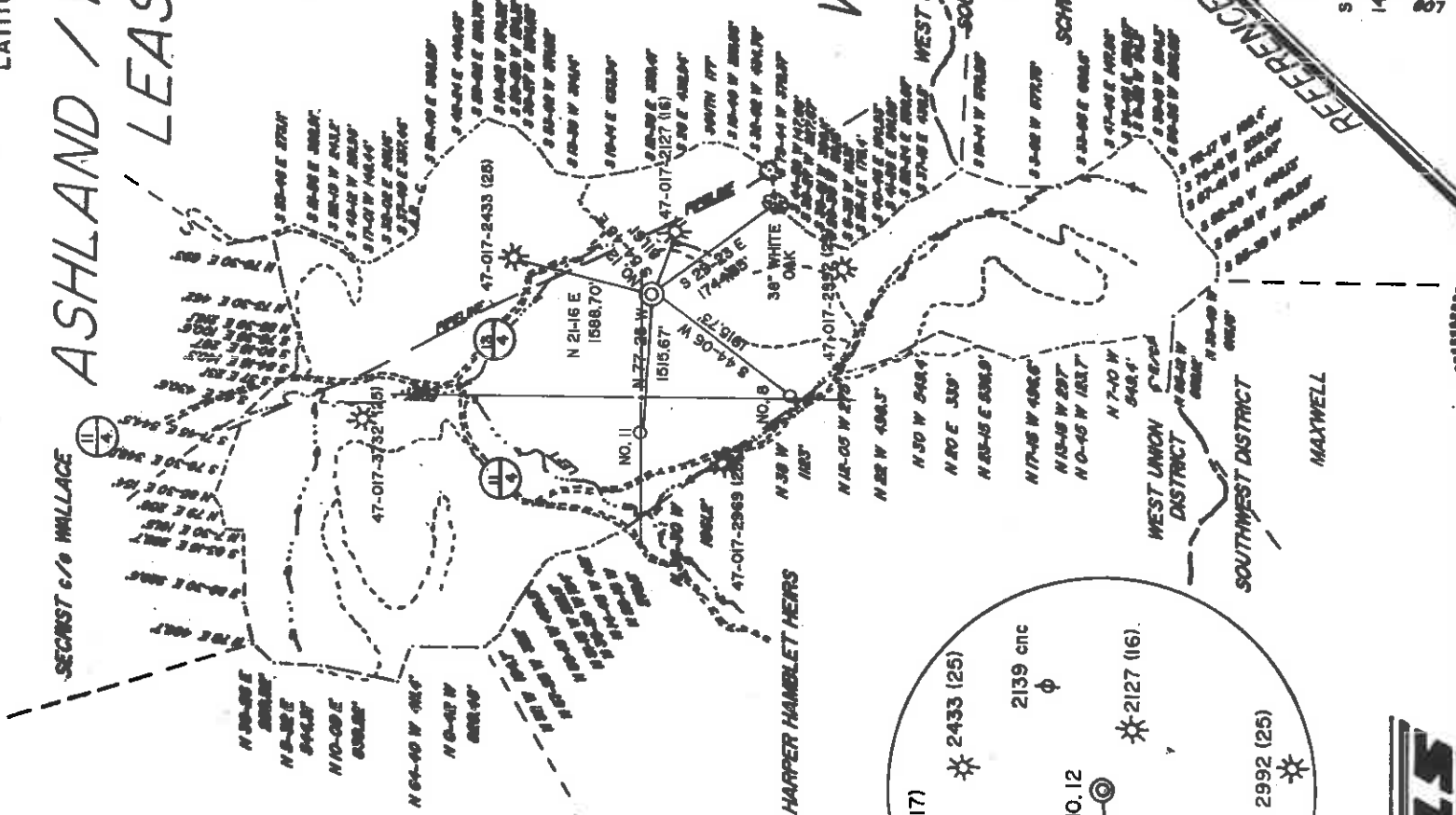
Page 4 of 8

936.86 ACRES±

LINE TABLE
A. S 70-05 E 102.84'
B. S 87-17 E 80.01'
C. S 78-49 E 336.9'

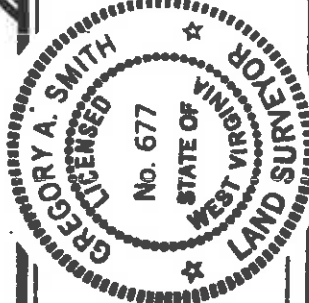
HOLLAND

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE SEPTEMBER 22, 19 92
OPERATORS WELL NO. ASHLAND / MAXWELL
API **Cancelled** WELL NO. 12
WELL WVD0003512
NO. 47 - 017 - 4007
STATE COUNTY PERMIT
NO. WV 0174208

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2177 (39-62)
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 INJECTION "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1106' WATERSHED LEFT FORK OF ARNOLDS CREEK
DISTRICT WEST UNION COUNTY DODDRIIDGE
SURFACE OWNER CHARLES P. HEASTER ET AL.
ROYALTY OWNER LEWIS MAXWELL HEIRS ET AL.
PROPOSED WORK: LEASE NO. WV02358--+
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) _____
ESTIMATED DEPTH 5242'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N. GLENVILLE, WV 26351 ADDRESS 201.96th ST. CHARLESTON, WV 26304

0000 4007
COUNTY NAME PERMIT

ASHLAND. / MAXWELL LEASE

Page 4 of 8

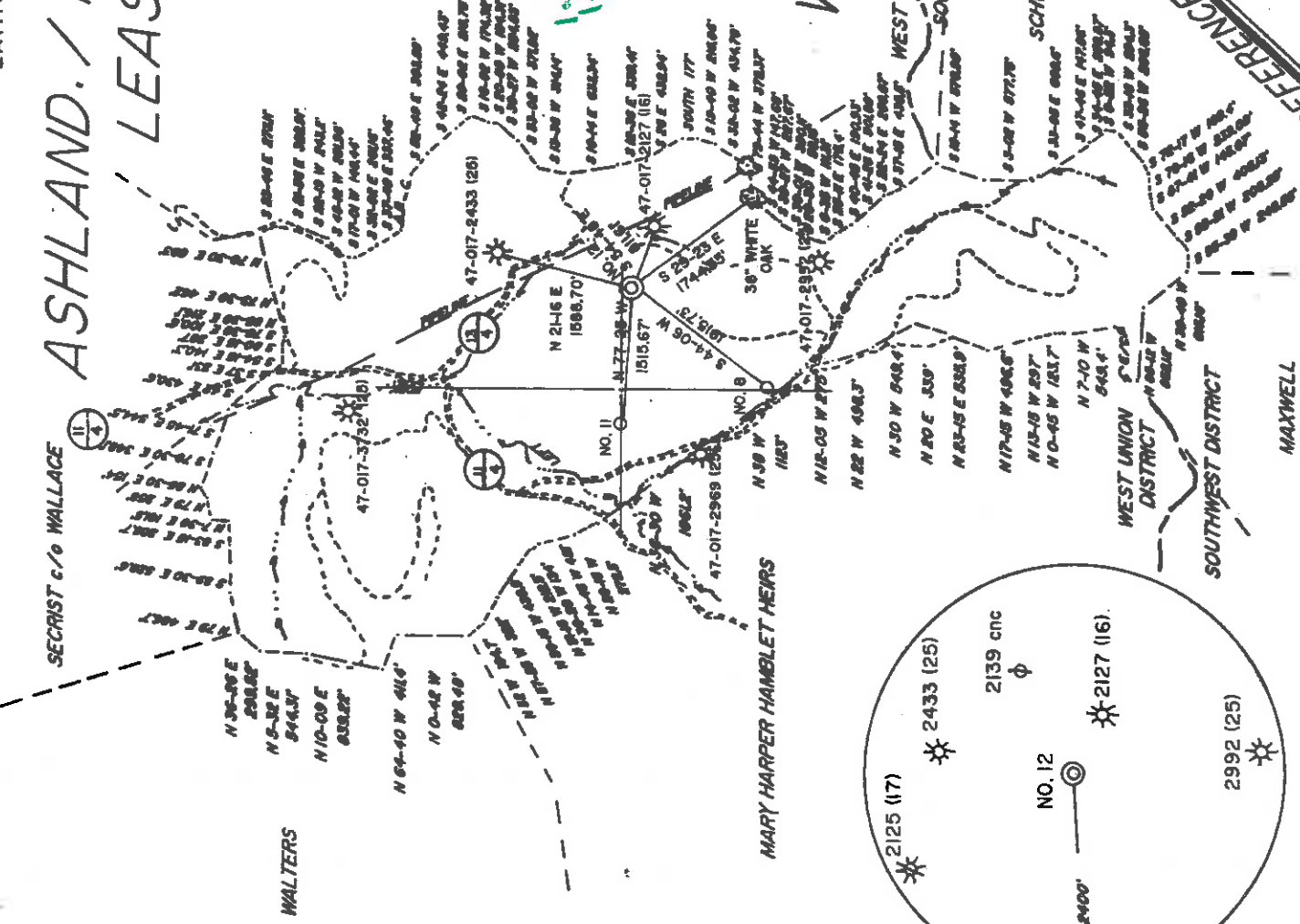
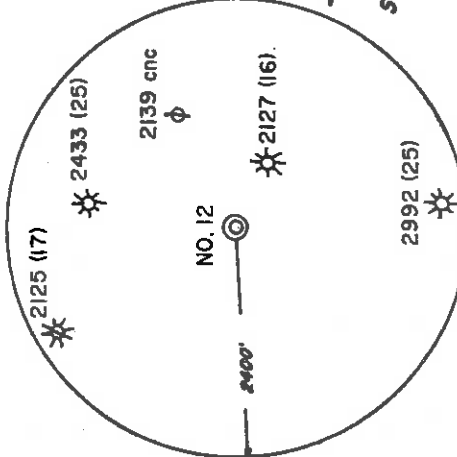
936.86 ACRES+

LINE TABLE
A. S 70-00 E 102.84'
B. S 87-17 E 200.00'
C. S 78-49 E 338.9'

HOLLAND

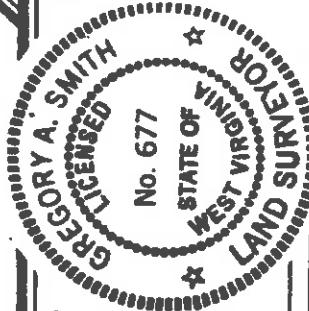
40
1.66

WELL NO. 12



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MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2177 (39-62)
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 INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1106' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER CHARLES P. HEASTER ET. AL.

ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL.

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) _____

QUADRANGLE OXFORD 7.5' ACREAGE 936.86 *WV 100000*
 LEASE NO. WVO2358--4
 ESTIMATED DEPTH 5242' *WV 100000*

COUNTY NAME PERMIT

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N. GLENVILLE, WY 26351 *259* ADDRESS 501 26th ST. CHARLESTON, WY 26304

NE
HOSPITAL

11

FEB 22 1996

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

21-Aug-95
 API # 47- 17-04208

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HEASTER, CHARLES P. ETAL. Operator Well No.: Ashld/Maxwell112

LOCATION: Elevation: 1,106.00 Quadrangle: OXFORD

District: WEST UNION, County: DODDRIDGE
 Latitude: 7370 Feet South of 39 Deg. 15Min. Sec.
 Longitude 8780 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: 08/23/95
 Well work Commenced: 12-06-95
 Well work Completed: 12-11-95
 Verbal Plugging
 Permission granted on: Rig
 Rotary x Cable 5245'
 Total Depth (feet) 5245'
 Fresh water depths (ft) 110', 957'

Salt water depths (ft) 1240'

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

OPEN FLOW DATA

(Commingle)

Alexander, Benson, 3rd Riley,

2nd Riley, Riley

Producing formation 2nd Riley, Riley Pay zone depth (ft) 5097'-4326'
 Gas: Initial open flow 327 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 249 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 1120 psig (surface pressure) after 24 Hours

Second producing formation

Gas: Initial open flow MCF/d Oil: Initial open flow (ft) 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: *[Signature]* Senior Drilling Supervisor

Date: 02-21-96

FEB 23 1996

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8-5/8" | 1054' | 1054' | 265 SXS |
| 4-1/2" | ---- | 5214' | 730 SXS |
| | | | |
| | | | |
| | | | |
| | | | |

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

3 Stage Frac

- Stage One: Alexander; 20 holes (5040.5'-5097'), Fractured w/energized water 150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 80,000 scf of N₂.
- Stage Two: Benson/3rd Riley; 15 holes (4693.5'-4774'), Fractured 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 91,000 scf of N₂.
- Stage Three: 2nd Riley/Riley; 16 holes (4326'-4558'), Fractured 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 of 15% HCl acid and 90,000 scf of N₂.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|-----------------|-------|--------------|----------|-------------|---|
| Fill | | | 0 | 30 | Including indication of all fresh and salt water, coal, oil and gas |
| Sand & Shale | | | 30 | 110 | 1/2" water @ 110' |
| Sand | | | 110 | 115 | 3/4" water @ 957' |
| Shale & Redrock | | | 115 | 289 | Hole damp @ 1240' (Oil) |
| Sand | | | 289 | 299 | Gas Checks: |
| Shale & Redrock | | | 299 | 380 | |
| Sand | | | 380 | 404 | 1679' No Show |
| Shale & Redrock | | | 380 | 404 | |
| Sand & Redrock | | | 404 | 640 | 1898' 24/10 2" w/water |
| Sand | | | 404 | 700 | 1961' 24/10 2" w/water |
| Sand & Shale | | | 640 | 700 | 2214' 28/10 2" w/water |
| Sand & Shale | | | 700 | 1738 | 2625' 50/10 2" w/water |
| Big Lime | | | 1738 | 1816 | 3034' 38/10 2" w/water |
| Big Injun | | | 1816 | 1880 | 3223' 40/10 2" w/water |
| Sand & Shale | | | 1880 | 2050 | 3404' 44/10 2" w/water |
| Weir | | | 2050 | 2135 | 3817' 40/10 2" w/water |
| Sand & Shale | | | 2050 | 2135 | 4290' 40/10 2" w/water |
| Berea | | | 2135 | 2243 | 4416' 40/10 2" w/water |
| Sand & Shale | | | 2243 | 2251 | 4636' 38/10 2" w/water |
| Sand & Shale | | | 2251 | 2468 | 4763' 40/10 2" w/water |
| Gordon | | | 2468 | 2472 | 4888' 36/10 2" w/water |
| Sand & Shale | | | 2472 | 3130 | 5044' 24/10 2" w/water |
| Warren | | | 2472 | 3130 | 5170' 44/10 2" w/water |
| Sand & Shale | | | 3130 | 3145 | 5265' 50/10 2" w/water |
| Sand & Shale | | | 3130 | 3145 | |
| Sand & Shale | | | 3145 | 3190 | |
| Speechley | | | 3190 | 3220 | |
| Sand & Shale | | | 3220 | 4330 | |
| Riley | | | 3220 | 4330 | |
| Sand & Shale | | | 4330 | 4360 | |
| 3rd Riley | | | 4360 | 4690 | |
| Sand & Shale | | | 4690 | 4705 | |
| Benson | | | 4705 | 4796 | |
| Sand & Shale | | | 4796 | 4801 | |
| Alexander | | | 4801 | 5040 | |
| Sand & Shale | | | 5040 | 5092 | |
| | | | 5092 | 5265 | TD |

RECEIVED

Draived 12/21/92
Expires 12/21/94

017 - 4007 -> NOW 017
4208

FORM WW-2B

OCT 3 1994

Page 3 of 8

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

259

1) Well Operator: Eastern American Energy Corporation 1498^o (8) 525-

2) Operator's Well Number: ASHLAND/MAXWELL #12 3) Elevation: 1106'

4) 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: 5242' feet

7) Approximate fresh water strata depths: 218'

8) Approximate salt water depths: None

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 Fill-up (cu. ft.) |
|--------------|----------------|-------|-------------------|-------------------|-----------------|--------------------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | |
| Conductor | 11-3/4" | F-25 | 32.0 | 40' | | |
| Fresh Water | 8-5/8" | F-25 | 20.0 | 1155' | 1155' | C.T.S. 38CSR18-11.3 |
| Coal | | | | | | 38CSR18-11.2, 2 |
| Intermediate | * | | | | | |
| Production | 4-1/2" | J-55 | 10.5 | 5157' | 5157' | 38CSR18-11.1 |
| Tubing | | | | | | |
| Liners | | | | | | |

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 955/8" casing.

PACKERS : Kind

Sizes

Depths set

34320
31320

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

RECEIVED
By Division of
Environmental Protection

OCT 3 0 92

1) Date: October 28, 1992
2) Operator's well number
ASHLAND/MAXWELL #12
3) API Well No: 47 - 017 - 4007
State - County - Permit

Permitting
Office of Oil & Gas

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 Charles P. Heaster, et al 5) (a) Coal Operator: Name N/A
 Address P.O. Box 112 Address _____
West Union, WV 26456

(b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name N/A
 Address _____

(c) Name _____ Name _____
 Address _____ Address _____

6) Inspector Mike Underwood (c) Coal Lessee with Declaration
 Address Rt. 2 Box 135 Name N/A
Salem, WV 26426 Address _____
 Telephone (304) - 782-1043

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:

XX 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.



OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARILYN M. BEAN
227 N. RIVER AVE.
WESTON, WV 26452

My Commission Expires Feb. 25, 2002

Subscribed and sworn before me this 28th day of October, 1992

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

017-42-08

AUG 7 1995

FORM WW-2B

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

Page 3 of 9
 Dated 08/23/95
 Expires 08/23/97

259 14980 (8) 524
 Well Operator: Eastern American Energy Corporation

Operator's Well Number: Ashland/Maxwell #12 3) Elevation: 1106'

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

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

- 5) Proposed Target Formation(s): Alexander⁴³⁹
- 6) Proposed Total Depth: 5242' feet
- 7) Approximate fresh water strata depths: 218'
- 8) Approximate salt water depths: None
- 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 Fill-up (cu. ft.) |
|--------------|----------------|-------|-------------------|-------------------|-----------------|--|
| | Size | Grade | Weight per ft. | For drilling | Left in well | |
| Conductor | 11-3/4" | F-25 | 32.0 | 20' | | |
| Fresh Water | 8-5/8" | F-25 | 20.0 | 1050' | 1050' | C.T.S. 38CSR18-11.3 38CSR18-11.2.2 |
| Coal | * | | | | | |
| Intermediate | | | | | | |
| Production | 4-1/2" | J-55 | 10.5 | ----- | 5157' | 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

12092236
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 Bond (TYPE)
 Agent

RECEIVED
WV Division of
Environmental Protection

Page 1 of 9
Form WW2-A
(09/87)
11e Copy

AUG 07 1995
Permitting
Office of Oil & Gas

1) Date: August 4, 1995
2) Operator's well number
Ashland/Maxwell #12
3) API Well No: 47 - 017 - 4208
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 Charles P. Heaster
Address P.O. Box 112
West Union, WV 26456

(b) Name _____
Address _____

(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

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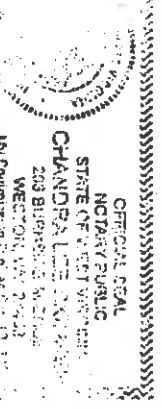
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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the 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 American Energy Corporation
By: John M. Galt
Its: Designated Agent
Address P.O. Box 820
Glenville, WV 26351

Telephone (304) 462-5781
I subscribed and sworn before me this 4th day of August, 1995

Chandralice W. Stearns Notary Public
My commission expires October 10, 2000