

LATITUDE 39° 15' 00"

LONGITUDE 80° 47' 30"

ASHLAND / MAXWELL LEASE

936.86 ACRES ±

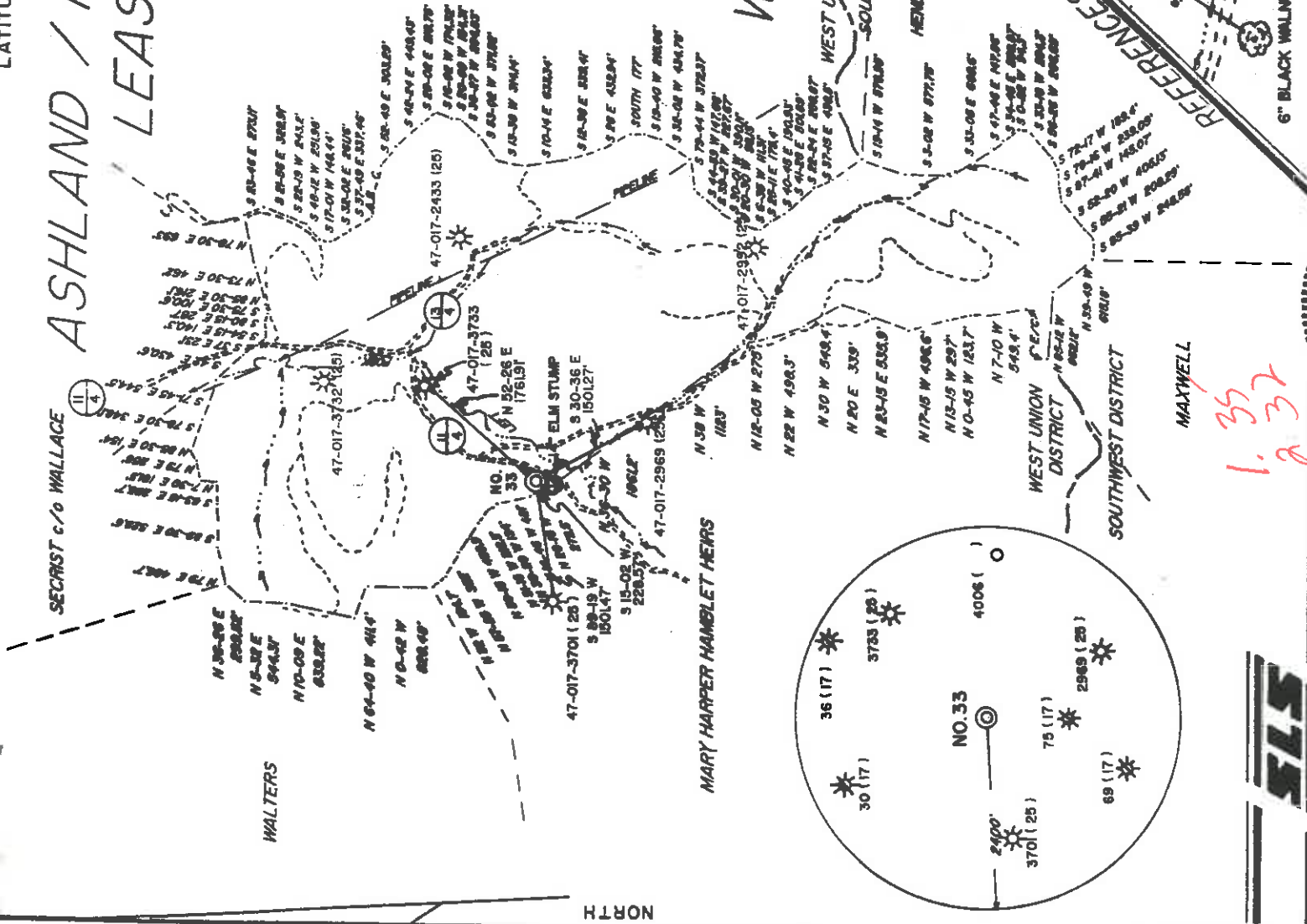
LINE TABLE

- A. S 70-05 E 10284'
- B. S 87-17 E 20010'
- C. S 75-49 E 35859'

*0.0965
55.960*

HOLLAND

WELL NO. 33



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 1, 19 93
 OPERATORS WELL NO. ASHLAND / MAXWELL
 API WELL NO. 47 STATE 017 COUNTY 04214 PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (42-35)
 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 LIQUID DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 981' 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'
 ACRES 936.86
 LEASE ACRES 936.86
 LEASE NO. WVO2358-4

TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5227'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV 26351

COUNTY NAME _____ PERMIT _____



FEB 07 1996

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

07-Sep-95
API # 47- 17-04214

Permitting
Office of Oil & Gas
Well Operator's Report of Well Work
Farm n Office of Oil & Gas, CHARLES P. Operator Well No.: ASHLND/MAXWL#33

LOCATION: Elevation: 981.00 Quadrangle: OXFORD
District: WEST UNION County: DODDRIDGE
Latitude: 7150 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 500 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 09/08/95
Well work Commenced: 11-27-95
Well work Completed: 12-05-95
Verbal Plugging
Permission granted on: Rig
Rotary x Cable
Total Depth (feet) 5147'
Fresh water depths (ft) 20', 80', 300'

Salt water depths (ft) 1156'

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

OPEN FLOW DATA

(Commingled)
Alexander, Benson, 2nd Riley, pay zone depth (ft) 4994'-4212'
Producing formation Riley
Gas: Initial open flow 933' MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 880 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1225 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. Senior Drilling Supervisor
BY: [Signature]
Date: 12-05-96

FEB 9 1996 FED 8 1996

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	931'	931'	225 SXS
7 "	1473'	1473'	35 SXS
4-1/2"		5092'	306 SXS

017 4214

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

3 Stage Frac

Stage One:

Alexander; 22 holes (4938'-4994'), 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 94,000 scf of N2.

Stage Two:

Benson; 12 holes (4652'-4659') 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 86,000 scf of N2.

Stage Three:

2nd Riley/Riley; 15 holes (4212'-4484'), Fractured w/gelled water, 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand and 500 gals of 15% HCl acid. No N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
111			0	5	1/4" water @ 20'
hale			5	40	1/4" water @ 80'
ed Rock			40	100	1/2" water @ 300'
ed Rock & Shale			100	175	oil odor @ 900'
and			175	280	oil odor @ 1115'
hale			280	290	1-1/2" water @ 1156'
ed Rock			290	295	
hale			295	330	
and			295	351	Gas Checks:
and & Shale			330	351	1738' No Show
ed Rock			351	590	1769' No Show
and & Shale			590	630	1863' No Show
ed Rock			630	740	2051' 6/10 1" w/water
and & Shale			630	745	2207' 2/10 1" w/water
ed Rock			740	805	2523' 4/10 1" w/water
and & Shale			745	805	2808' 4/10 1" w/water
hale & Red Rock			805	825	2871' 82/10 1" w/water
and & Shale			825	860	3062' 70/10 1" w/water
ed Rock			825	871	3157' 4/10 2" w/water
ed Rock & Shale			860	1118	3408' 4/10 2" w/water
and			871	1130	3694' 4/10 2" w/water
and & Shale			1118	1135	3884' 4/10 2" w/water
and			1130	1216	4326' 4/10 2" w/water
and			1135	1225	4609' 4/10 2" w/water
hale			1216	1225	4892' 4/10 2" w/water
hale & Shale			1225	1628	4892' 4/10 2" w/water
and & Shale			1628	1670	TD-5147' 30/10 1" w/water
ed Rock			1628	1700	
ed Rock & Shale			1670	1738	
and			1700	1910	
and & Shale			1738	2035	
and			1910	2035	
and & Shale			2035	2150	
and & Shale			2035	2150	
and & Shale			2150	2180	
and & Shale			2150	2342	
and & Shale			2180	2342	
and & Shale			2342	2370	
and & Shale			2342	3035	
and & Shale			2370	3035	
and & Shale			3035	3052	
and & Shale			3035	4208	
and & Shale			3052	4240	
Riley			4208	4240	
and & Shale			4208	4560	
and & Shale			4240		
and & Shale			4240		
and & Shale			4240		

FEB 3 1986

017 4214

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
3rd Riley	4560	4610	
Sand & Shale	4610	4640	
Benson	4640	4670	
Sand & Shale	4670	4900	
Alexander	4900	4980	
Sand & Shale	4980	5147 TD	

FEB 9 1956
FEB 9 1956

017-42-14

011201995

FORM WW-2B

Page 3 of 9

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

Issued 09/08/95
 Expires 09/08/97

259
 1-1980 (8) 526

1) Well Operator: Eastern American Energy Corporation

Operator's Well Number: Ashland/Maxwell #33 3) Elevation: 981'

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

(b) IF Gas: Production XX/ Underground Storage ___ /
 Deep 439 Shallow XX

Proposed Target Formation(s): Alexander

Proposed Total Depth: 5227' feet

7) Approximate fresh water strata depths: 121', 236'

8) Approximate salt water depths: None

9) Approximate coal seam depths: 96'

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	13-3/8" 11-3/4"	F-25 F-25	37.0 32.0	20'		
Fresh Water	8-5/8"	F-25	20.0	900'	900'	C.T.S. 38CSR18-11.3 38CSR18-11.2
Coal	*					
Intermediate						
Production	4-1/2"	J-55	10.5		5142'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9578 casing.

PACKERS : Kind

Sizes

Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: [Signature] Well Work Permit [Signature] Reclamation Fund [Signature] WPCP
 Plat [Signature] WW-9 [Signature] Bond [Signature] Agent [Signature] / 8
 (Type)

Permitting
Office of Oil & Gas

1) Date: August 18, 1995
2) Operator's well number
Ashland/Maxwell #33
3) API Well No: 47 - 017 - 4214
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 _____

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 _____

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

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.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CIVIL SERVICE EXAMINER
200 BUSINESS CENTER
WESTON, WV 26066
WV Commission Exp. _____

Well Operator of Eastern American Energy Corporation
By: Jordan M. Galbraith
Its: Designated Agent
Address P.O. Box 820
Glenville, WV 26351
Telephone (304) 462-5781
Subscribed and sworn before me this 18th day of August, 1995
Jordan M. Galbraith Notary Public
My commission expires October 10, 1995