

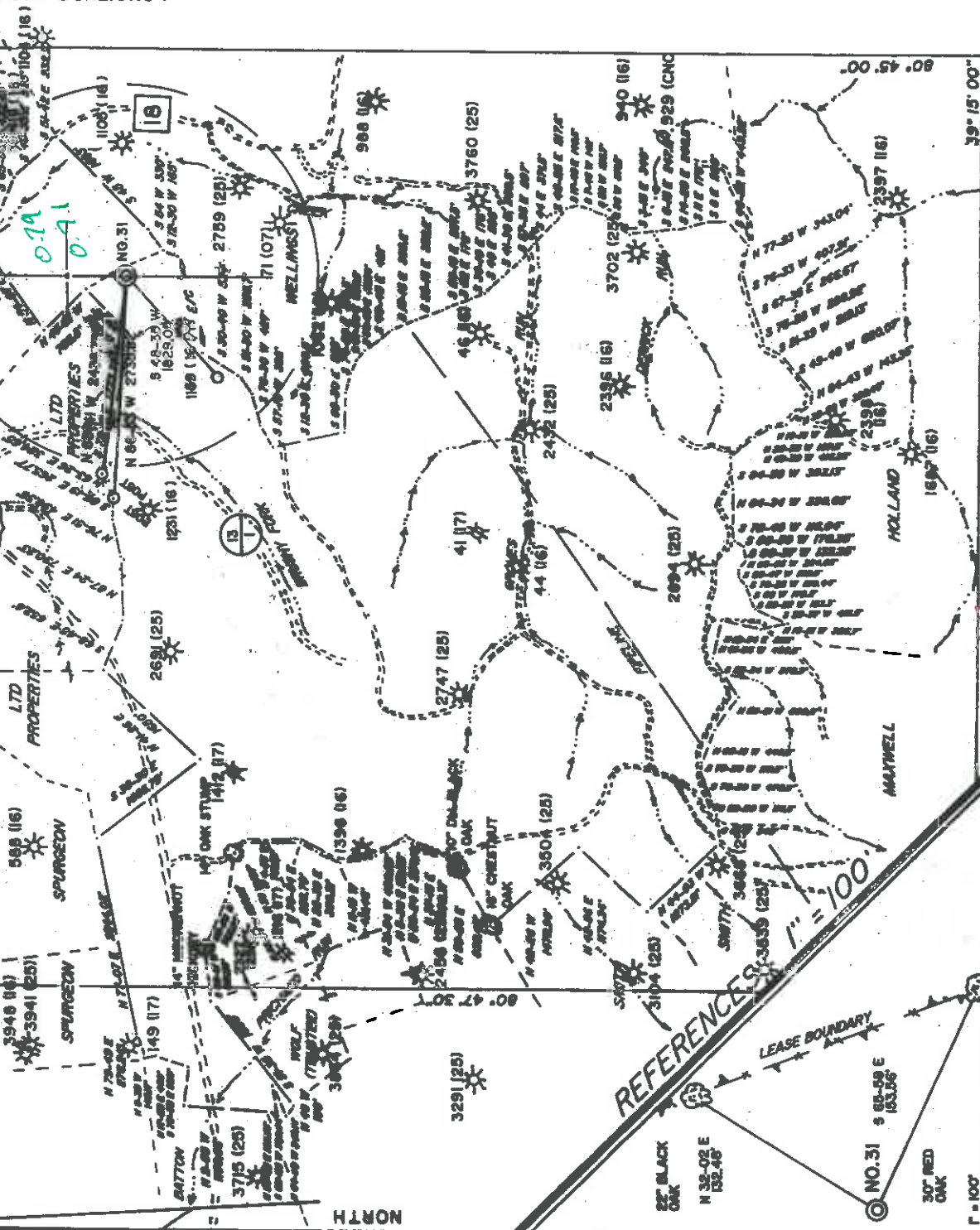
39° 17' 30"

LATITUDE 39° 17' 30"

3,600'

LONGITUDE 80° 45' 00"

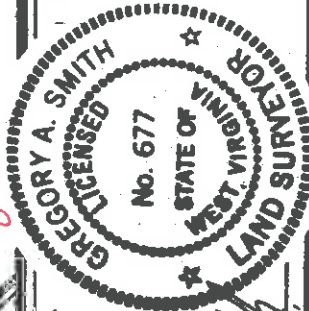
Opinion
ASHLAND/MAXWELL LEASE
1564.81 ACRES ±
WELL NO. 31



NOTE: ALL WELLS WITHIN 2400' ARE SHOWN HEREON.

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*
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MARCH 10, 19 93
OPERATORS WELL NO. ASHLAND / MAXWELL
API WELL NO. 31
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2777 (142-41)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1352 SCALE 1" = 2000'

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1104' WATERSHED BRUSHY FORK OF BLUESTONE CREEK
DISTRICT WEST UNION COUNTY DODDRIDGE
SURFACE OWNER ANNA DAVIES RILEY ET. AL.
ROYALTY OWNER LEWIS MAXWELL 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 WEST UNION 7.5' WU
ACREAGE 1498.73 SE
LEASE ACREAGE 564.81
LEASE NO. WYO2526-+

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N GLENVILLE, WV 26351
COUNTY NAME PERMIT
ADDRESS 501 56th ST. CHARLESTON, WV 25304
6-6-99

JUN 10 1996

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

API # 47- 17-04248

08-Mar-96

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: DAVIES, JOHN R., ETAL Operator Well No.: ASHLD/MAXWL 31

LOCATION: Elevation: 1,104.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
 Latitude: 4100 Feet South of 39 Deg. 17Min. 30 Sec.
 Longitude 3800 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C
 501 56TH STREET
 GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
 Permit Issued: 03/11/96
 Well work Commenced: 03-26-96
 Well work Completed: 03-31-96
 Verbal Plugging
 Permission granted on: _____
 Rotary x Cable _____ Rig
 Total Depth (feet) _____ 5405
 Fresh water depths (ft) 240'

Salt water depths (ft) None

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

OPEN FLOW DATA

(Commingle)

Producing formation Alexander, Riley

Gas: Initial open flow 411 MCF/d Oil: Initial open flow _____ Pay zone depth (ft) 4469'-5255'
 Final open flow 292 MCF/d Final open flow _____ N/A Bbl/d
 Time of open flow between initial and final tests _____ 15- Hours
 Static rock Pressure 1410 psig (surface pressure) after 24 Hours

Second producing formation _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Pay zone depth (ft) _____
 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: *Donald C. Supcoe* Senior Drilling Supervisor
 Date: 05-29-96

JUN 14 1996

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
8-5/8"	1016'	1016'	CTS 250 SXS
4-1/2"	-----	5358'	700 SXS

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

2 Stage Frac

Stage One: Alexander; 23 holes (5209'-5255'), Fractured w/30 lbs/1000 gals gelled water, 50,000 lbs of 20/40 sand and 8 gals of 15% HCl acid.

Stage Two: Riley; 14 holes (4469'-4502'), Fractured w/30 lbs/1000 gals gelled water, 5,000 lbs 80/100 sand, 33,000 lbs of 20/40 sand and 500 gals of 15% HCl acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Clay			0	4	Including indication of all fresh and salt water, coal, oil and gas
Clay & Shale			4	7	
Shale			7	10	Hole Damp @ 240'
Shale & Red Rock			10	15	
Shale & Sandy shale			15	35	Gas Checks: 1651' No Show 1808' No Show 1904' No Show
Sand & Sandy shale			35	930	
Red Rock			930	950	= 1" w/H20
Sand & Sandy shale			950	1820	
Lime			1820	1827	= 1" w/H20
Sand			1827	1837	
Lime			1837	1854	= 1" w/H20
Shale			1854	1880	
Big Lime			1880	1957	= 1" w/H20
Keener			1957	1995	
Big Injun			1995	2040	= 1" w/H20
Shale			2040	2186	
Weir			2186	2280	= 1" w/H20
Shale			2280	2380	
Berea			2380	2408	= 1" w/H20
Shale			2408	2591	
Gordon			2591	2641	= 1" w/H20
Shale w/tr Sand			2641	3264	
Warren			3264	3320	= 1" w/H20
Shale w/sm Sand			3320	4466	
Riley			4466	4506	= 1" w/H20
Shale			4506	4832	
Third Riley			4832	4858	= 1" w/H20
Shale			4858	4920	
Benson			4920	4950	= 1" w/H20
Shale			4950	5171	
Alexander			5171	5264	= 1" w/H20
Shale			5264	5405	
Total Depth				5405	

017-04248

Issued 03/11/96
Expires 03/11/98

RECEIVED
WV Division of
Environmental Protection

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

Permitting

Well ~~Operator~~ ²⁵⁹ ~~Gas~~ Eastern American Energy Corporation

21657

Operator's Well Number: Ashland/Maxwell #31 3) Elevation: 1104'

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

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

Proposed Target Formation(s): Alexander ⁴³⁹

6) Proposed Total Depth: 5389' feet

7) Approximate fresh water strata depths: 38', 62', 125'

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: 209'-210'

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'	0	
Fresh Water	8-5/8"	F-25	20.0	1000'	1000'	C.T.S. 38CSR18-11.3
Coal	9-5/8"	F-25	26.0			38CSR18-11.2.2
Intermediate	* 7"	H-40	17.0			
Production	4-1/2"	J-55	10.5	5304'	5304'	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

For Division of Oil and Gas Use Only

Fee(s) paid: 175

Well Work Permit

Reclamation Fund

WPCP

Plat 175

WW-2B

Bond

(Type)

Agent

15

RECEIVED
WV Division of
Environmental Protection

FEB 28 1996

1) Date: February 27, 1996
2) Operator's well number
Ashland/Maxwell #31
3) API Well No: 47 - 017 - 4248
State County Permit

**WEST VIRGINIA - BUREAU OF ENVIRONMENT
OFFICE OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name John R. Davies, et al
Address 1006 43rd Street
Vienna, WV 26105
- (b) Name Courtesy:
Address Tom Davies
1104 Greenmont Circle
Vienna, WV 26105
- (c) Name Vienna, WV 26105
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 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 11 on the above named parties, by:

X Personal Service (Affidavit attached)
X 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: Steve Fallick
Designated Agent
P.O. Box 820
Glenville, WV 26351

Telephone (304) 462-5781
Before me this 27th day of February, 1996

Wanda Per Skinnis Notary Public
My commission expires October 10, 2006

