

LATITUDE - 39° 15' 00"

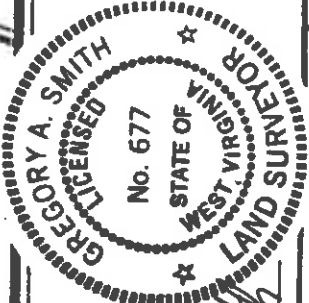
LONGITUDE - 80° 47' 30"

Ashland / Maxwell Lease 885.20 OF 2654 ACRES+



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 NOVEMBER 20, 19 92
OPERATORS WELL NO. ASHLAND/MAXWELL
API WELL NO. 17
WELL NO. 47-017-04210
STATE WV COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2777 B.2930 (39-75)
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 1236' WATERSHED LEFT FORK OF ARNOLDS CREEK
DISTRICT WEST UNION COUNTY DODDRIDGE
SURFACE OWNER LUCY E. HARPER QUADRANGLE OXFORD 7.5'
ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. ACREAGE 446 **ROL N.E**
PROPOSED WORK: LEASE ACRES 446 OF 885.2 OF 2654 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) TARGET FORMATION ALEXANDER
ESTIMATED DEPTH 5366'

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

21-Aug-95
API # 47-017-04210

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

Well Operator's Report of Well Work

Farm name: HARPER, LUCY E. Operator Well No.: ASHLND/MAXWL 17

LOCATION: Elevation: 1,236.00 Quadrangle: OXFORD
District: WEST UNION County: DODDRIDGE
Latitude: 12730 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 1670 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: 08/24/95
Well work commenced: 08/14/96
Well work completed: 08/20/96
Verbal plugging
permission granted on:
Rotary Cable _____ Rig
Total Depth (feet) 5440'
Fresh water depths (ft) 75'

Salt water depths (ft) 1407'

Is coal being mined in area? (Y/N) N
Coal Depths (ft) 1168' - 1177'

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, 3rd Riley, Riley, Bradford, Balltown

Pay zone depth (ft) 5061' - 4216'

Gas: Initial open flow 324 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 298 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock pressure 1475 psi (surface pressure) after 24 Hours

2nd Producing Formation _____ Pay zone depth (ft) _____ Bbl/d
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 INTERVAL
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 WELLBOR

For: MARK JENKINS SENIOR DRILLING SUPERVISOR
EASTERN AMERICAN ENERGY CORPORATION

By: [Signature]
Date: OCTOBER 16, 1996

NOV 8 1996
NOV 8 1996

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1195'	1195'	300 SXS
4-1/2"	----	5309'	750 SXS

FORMATION	COLOR	HARD OR SOFT	TOP		BOTTOM		REMARKS
			FEET	FEET	FEET	FEET	
Cond.			0	32			
Sand & Sandy Shale			32	595			1/2" water @ 75'
Sandy Shale and Red Rock			595	780			
Sand			780	842			
Sandy shale			842	883			
Red Rock			883	890			
Sandy Shale			890	900			
Red Rock			900	915			
Sand and Sandy Shale			915	1168			
Coal			1168	1177			1" water @ 1407', soap
Sand and Sandy Shale			1177	1844			1527',-no show
Limestone			1844	1856			1809',-no show
Shale and Limestone			1856	1889			
Big Lime			1889	1948			1933'-no show
Keener			1948	2002			
Big Injun			2002	2027			2118'-no show
Shale			2027	2186			
Weir			2186	2296			
Shale			2296	2385			
Berea			2385	2392			
Shale			2392	2572			
Gordon			2572	2627			
Shale with some Siltstone			2627	3272			2402'-10/10 1" w/water
Warren			3272	3313			2713' - 8/10 1" w/water
Shale with some Siltstone			3313	4333			3027'-12/10 2" w/water
Bradford			4333	4371			3310'-10/10 2" w/water
Shale			4371	4464			3623'-10/10 2" w/water
Riley			4464	4896			3932'-12/10 2" w/water
Shale with trace Siltstone			4496	4930			4235'-14/10 2" w/water
Benson			4896	5147			
Shale			4930	5241			
Alexander			5147	5440			5299'-16/10 2" w/water
Shale			5241	5440			DC 4/10 2" w/water
TD							

Including indication of all fresh & salt water, coal, oil & gas.

REMARKS

NOV 8 1996

017 4210

STAGE ONE:

Alexander
23 holes (5061' - 5218') Fractured with gelled water, 30# gel/1000 gals,
50,000 lbs 20/40 sand, 250 gals 15% HCl acid.

STAGE TWO:

Benson/3rd Riley
14 holes (4826' - 4902') 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 (4344' - 4475') Fractured with gelled water, 30# gel/1000 gals,
5,000 lbs of 80/100 sand, 40,000 lbs of 20/40 sand and 500 gals of HCl
acid.

STAGE FOUR:

Riley
14 holes (4216' - 4747') Fractured with gelled water, 30# gel/1000 gals,
38,000 lbs of 20/40 sand and 500 gals 15% HCl acid.

017 4 1996

017-4210

RECEIVED
FORM WW-286 Division of
Environmental Protection

STATE OF WEST VIRGINIA

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

AUG 08 1999

Permitting
Office of Oil & Gas
259 Eastern American Energy Corporation

14980 (8) 526

1) Well Oil & Gas Operator's Well Number: Ashland/Maxwell #17 3) Elevation: 1236'

4) Well type: (a) Oil / or Gas XX /
(b) If Gas: Production XX / Underground Storage /
Deep / Shallow XX

5) Proposed Target Formation(s): Alexander

6) Proposed Total Depth: 5366' feet

7) Approximate fresh water strata depths: 30', 120', 170'

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
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	13-3/8"	F-25	37.0			
	11-3/4"	F-25	32.0	20'		
Fresh Water	8-5/8"	F-25	20.0	1200'	1200'	C.T.S. 38CSR18-11.3 38CSR18-11.2, 2
Coal	9-5/8"	F-25	26.0			
Intermediate	* 7	H-40	17.0			
Production	4-1/2"	J-55	10.5	-----	5281'	38CSR18-11.1
Tubing						
Liners						

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

PACKERS : Kind

Sizes

Depths set

30914
 For Division of Oil and Gas Use Only
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 Bond Agent
 (Type)

RECEIVED
WV Division of
Environmental Protection
AUG 08 1995

1) Date: August 7, 1995
2) Operator's well number Ashland/Maxwell #17
3) API Well No: 47 - 017 - 4210
State - County - Permit

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 5) (a) Coal Operator: Name N/A
 Address 511 Boca Ciega Point Blvd. N. Address _____
St. Petersburg, FL 33708

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

(c) Name _____ Name _____
 Address _____ Address _____

6) Inspector Mike Underwood (c) Coal Lessee with Declaration Name N/A
 Address Rt. 2 Box 135 Address _____
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)

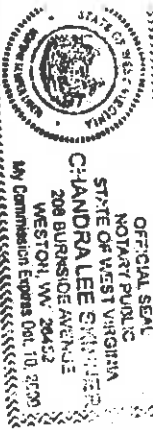
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by:

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.



Well Operator Eastern American Energy Corporation
 BY: John M. Smith
 Its: Designated Agent
 Address P.O. Box 820
Glenville, WV 26351

Telephone (304) 462-5781
 subscribed and sworn before me this 7th day of August, 1995
Chandra Lee Smith Notary Public
 My commission expires October 10, 2000