

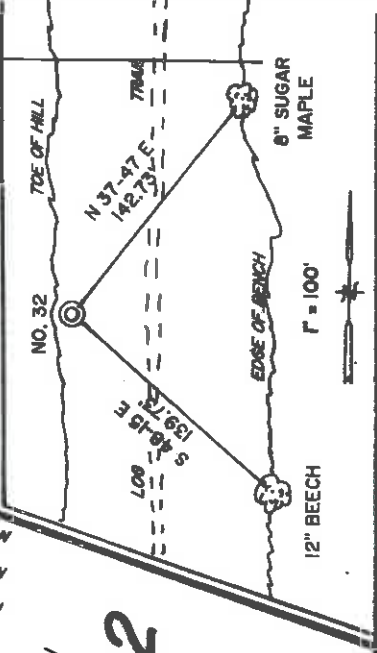
LATITUDE 39° 15' 00"

LONGITUDE 80° 47' 30"

# ASHLAND / MAXWELL LEASE 885.20 OF 2654 ACRES ±



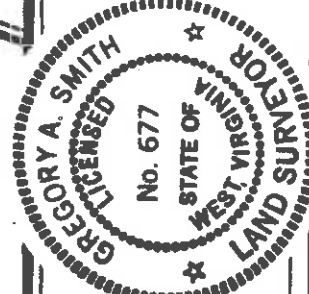
## REFERENCES



## WELL NO. 32

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 \_\_\_\_\_ COUNTY PERMIT



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 1, 19 93  
OPERATORS WELL NO. ASHLAND/MAXWELL WELL NO. 32  
API WELL NO. 47-017-04278  
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'



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1041' WATERSHED LEFT FORK OF ARNOLDS CREEK  
DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER MARY E. HARPER HAMBLET HEIRS  
ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. LEASE ACREAGE 442.6 OF 885.2 OF 2654  
LEASE NO. WYO2358 - +

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) *Enclosed files* TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5181'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
ADDRESS BOX N GLENVILLE, WY 26351 ADDRESS 501 56th ST. CHARLESTON, WY 25304

**RECEIVED**  
WV Division of  
Environmental Protection

**NOV 07 1996**

WR-35

02-Jul-96  
API # 47-017-04278

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

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HARPER, LUCE E. ETAL. Operator Well No.: ASHLND/MAXWL #32

LOCATION: Elevation: 1041.00 Quadrangle: OXFORD  
District: WEST UNION County: DODDRIDGE  
Latitude: 11580 Feet South of 39 Deg. 15 Min. 0 Sec.  
Longitude: 720 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP  
501 56TH STREET  
CHARLESTON WV 26304

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD  
Permit Issued: 07/01/96  
Well work commenced: 08/21/96  
Well work completed: 08/26/96  
Verbal plugging  
permission granted on:  
Rotary  Cable Rig  
Total Depth (feet) 5260'  
Fresh water depths (ft) 225'

Salt water depths (ft) 1170'

Is coal being mined in area? (Y/N) N  
Coal Depths (ft) 119' - 125'

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, 3rd Riley, 2nd Riley, Balltown  
Pay zone depth (ft) 5011' - 3833'  
Gas: Initial open flow 474 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 391 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock pressure 1490 psi (surface pressure) after 24 Hours

2nd 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 \_\_\_\_\_ psi (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.

MARK JENKINS, SENIOR DRILLING SUPERVISOR  
For: EASTERN AMERICAN ENERGY CORPORATION

By: \_\_\_\_\_  
Date: NOVEMBER 4, 1996

NOV 8 1996

NOV 8 1996

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sandy shale			0	119	
Coal			119	125	
Sandy shale			125	208	1" water @ 225'
Red Rock			208	220	
Sandy shale			220	570	
Sand and Sandy shale			570	717	
Sandy shale and Red Rock			717	760	
Sand and sandy shale			760	1628	Hole damp @ 1170' Soap hole @ 1240' 1527' - No show
Lime shale			1628	1656	
Big Lime			1656	1675	
Keener			1675	1734	
Big Injun shale			1734	1795	
Weir shale			1795	1819	1809' - No show
			1819	1973	1966' - No show
			1973	2085	
			2085	2175	2122' - No show 2170' - Odor of oil
Berea shale			2175	2185	
			2185	2363	2217' - 4/10 1" w/water 2310' - 4/10 1" w/water
Gordon shale			2363	2416	2499' - 4/10 1" w/water 2810' - No show
			2416	3059	
Warren shale w/some siltstone			3059	3101	3125' - No show 3406' - 24/10 1" w/water 3749' - 24/10 1" w/water
			3101	3803	
Balltown shale w/siltstone			3803	3883	4028' - 20/10 2" w/water 4215' - 14/10 2" w/water
			3883	4256	4409' - 16/10 2" w/water
Riley shale w/siltstone			4256	4286	
Benson shale			4286	4688	4718' - 16/10 2" w/water 4813' - 14/10 2" w/water
			4688	4717	
			4717	4940	
Alexander shale TD			4940	5034	5126' - 20/10 2" w/water TD 4/10 2" w/water DC 4/10 2" w/water
			5034	5260	
			5260	5260	

ASHMAX32.W35

NOV 8 1956

017 4278

STAGE ONE:

Alexander  
22 holes (4971' -5011') Fractured with 30#/1000 gals gelled water, 50,000  
lbs 20/40 sand and 250 gals 15% HCl acid. ASHMAX32.W35

STAGE TWO:

Benson/3rd Riley/2nd Riley  
15 holes (4532' - 4696') Fractured with 30#/1000 gals gelled  
water, 40,000 lbs 20/40 sand and 500 gals 15% HCl acid.

STAGE THREE:

Balltown  
14 holes (3833' - 3880') Fractured with 30#/1000 gals gelled  
water, 40,000 lbs 20/40 sand and 500 gals 15% HCl acid.

NOV 8 1995



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

22147

1. Well Operator: Eastern American Energy Corporation 14930 (S) 526

2. Operator's Well Number: ASHLAND/MAXWELL #32

4. Well type: (a) Oil \_\_\_ / or Gas XX /

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

5. Proposed Target Formation(s): Alexander, Benson, Riley

6. Proposed Total Depth: 5181'

7. Approximate fresh water strata depths: 25', 45', 100', 170'

8. Approximate salt water depths: 1151'

9. Approximate coal seam depths: None

10. Does land contain coal seams tributary to active mine? Yes \_\_\_ / No XX /

11. Proposed Well Work: 439

12. Deepest Red Rock: 801'

13. Wells used to correlate data: Dod-1839, Dod-2442, Dod-2990, Dod-2991, Dod-4039, Dod-4045, Dod-4046, Dod-4195

Elevation 10

the maximum allowable for one string.  
CASING AND TUBING PROGRAM

RECEIVED  
WV Division of  
Environmental Protection  
JUN 10 1996  
Permitting  
Office of Oil & Gas

3. Elevation: 1041'

Issued 07/01/96  
Expires 07/01/98

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight Per Foot	For Drilling	Left in Well	
Conductor	11-3/4"	F-25	32.0	20'		
Fresh Water	8-5/8"	F-25	20.0	98'	98'	C.T.S. 38CSR18-11.3 C.T.S. 38CSR18-11.2.2
Coal	9-5/8"	F-25	26.0	1041'	1041'	C.T.S.
Intermediate	*7"	H-40	17.0			C.T. 9-5/8"
Production	4-1/2"	J-55	10.5		5096	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

If the string are run from 200' of surface to 5' CB

INTERMEDIATES

For Division of Oil and Gas Use Only

Fee(s) paid:

Well Work Permit

Reclamation Fund

WPCP

Plat

WW-9

WW-2B

Bond

Agent

WW2B1

WW2A

WW2A1

**RECEIVED**  
Division of  
Environmental Protection  
JUN 10 1996  
Permitting  
Office of Oil & Gas

1) Date: June 4, 1996  
2) Operator's Well Number: Ashland/Maxwell #32  
3) API Well No: 47 - 017 - 4278  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

6/17/96

Courtesy copy to:

4) Surface Owner(s) to be served:  
(a) Name Lucy E. Harper  
Address 511 Boca Ciega Point Blvd.  
St. Petersburg, Fl. 33708  
~~XXX~~ Name Matthew Lewis Hamblet  
Address 3351 Mar-Ju-Ridge Rd.  
Jefferson, MD 21755  
5) (a) Coal Operator:  
Name  
Address  
(b) Coal Owner(s) with Declaration  
Name  
Address

(c) Name  
Address  
6) Inspector Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426  
Telephone (304) -  
Name  
Address  
Name  
Address

TO THE PERSON SIGNING ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other contract or contracts by which I hold the right to extract oil and gas OR  
X 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 on the above named accompanying documents pages 1 through \_\_\_\_\_  
Personal Service (Affidavit attached)  
Certified Mail (Postmark and 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 Paletti  
Its: Designated Agent  
Address 501 56th Street  
Charleston, WV 25304  
Telephone 304-925-6100

Subscribed and sworn before me this 7 day of \_\_\_\_\_, 19\_\_\_\_  
My commission expires \_\_\_\_\_  
Notary Public