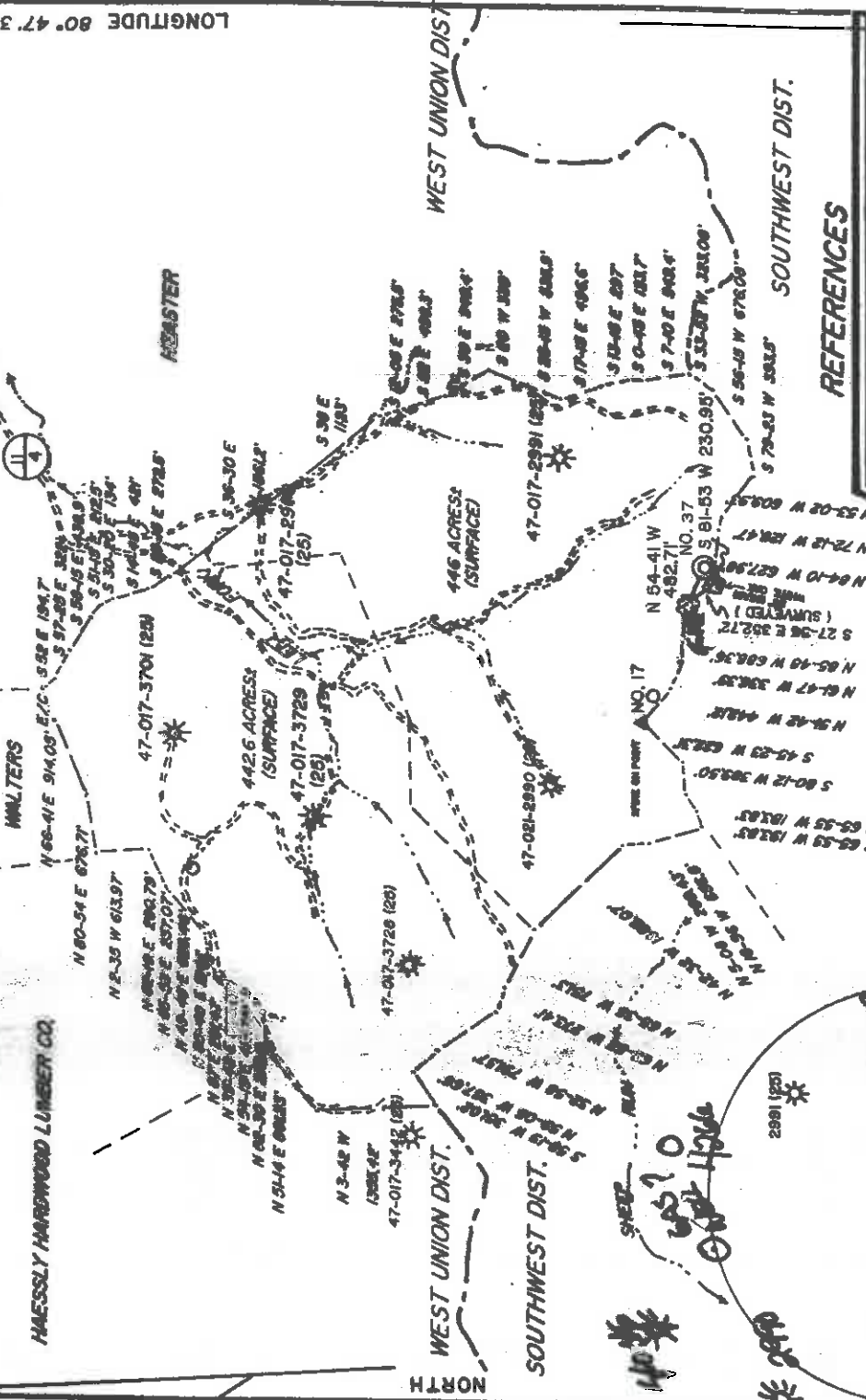
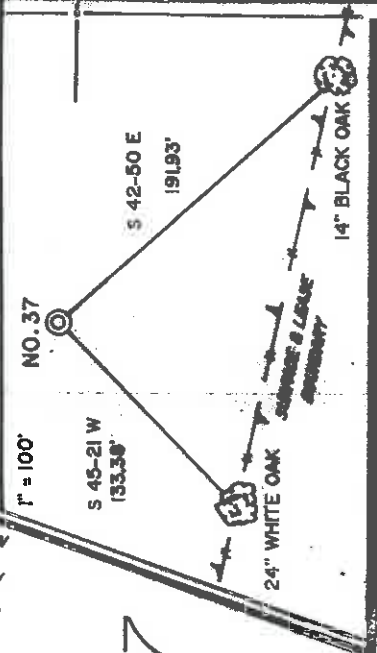


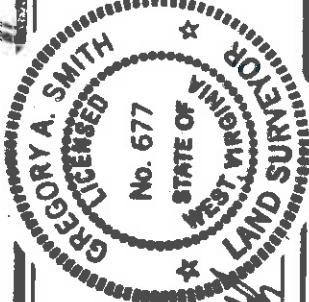
ASHLAND / MAXWELL LEASE 885.20 OF 2654 ACRES ±



REFERENCES



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. 677 *Gregory A. Smith*
STATE OF WEST VIRGINIA COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE NOVEMBER 20, 19 92
OPERATORS WELL NO. ASHLAND/MAXWELL
WELL NO. 37

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 & 2930 (42-17.)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1376' SCALE 1" = 2000'



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

LOCATION: ELEVATION 1238' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER LUCY E. HARPER ACREAGE 446

ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. LEASE ACREAGE 446 OF 885.20 OF 2654

LEASE NO. WV02358 - 4

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) Alexander

ESTIMATED DEPTH 5445'

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

WR-35

NOV 04 1996

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, LUCY E., ETAL Operator Well No.: ASHLND/MAXWL 37

LOCATION: Elevation: 1,238.00 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE
Latitude: 13320 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 200 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: 06/06/96
Well work commenced: 08/07/96
Well work completed: 08/12/96
Verbal plugging
Permission granted on:
Rotary Cable _____ Rig _____
Total Depth (feet) 5347'
Fresh water depths (ft) 765'

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1196'	1196'	300 SXS
4-1/2"	----	5292'	700 SXS

Salt water depths (ft) none

Is coal being mined in area? (Y/N) N
Coal Depths (ft) 872'-877'; 901'-907'

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Leopold, Benson, Riley, Bradford, Balltown
 Pay zone depth (ft) 5221' - 4195'
 Gas: Initial open flow 671 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 409 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests _____
 Static rock pressure 1510 psi (surface pressure) after _____
 _____ 15 Hours
 _____ 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 _____
 Static rock pressure _____ psi (surface pressure) after _____
 _____ Hours
 _____ 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.

By: Mark Jenkins
Date: OCTOBER 18, 1996

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

NOV 8 1996

FORMATION COLOR HARD OR SOFT

TOP FEET BOTTOM FEET

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

Cond.			0	22		
Sandy shale			22	510		
Sandy sand			510	545		
Sandy shale			545	635		
Sand			635	665		
Sandy shale			665	840		1/2" water @ 765'
Red Rock			840	863		
Sandy shale			863	872		
Coal			872	877		
Sand			877	901		
Coal			901	907		
Sandy shale			907	1120		
Red Rock			1120	1156		
Sandy shale			1156	1823		1559'-no show
Little Lime			1823	1848		1840'-no show
Big Lime			1848	1930		1933'-no show
Sandy shale			1930	4464		2121'-no show
						2747'-no show
						3000'-no show
						3440'-odor
						3657'-odor
						3905'-odor
						4218'-no show

Riley			4464	4496		
Sandy shale			4496	5048		4845'-2/10 1" w/water
Benson			5048	5160		5002'-2/10 1" w/water
Sandy shale			5050	5225		5158'-2/10 1" w/water
Alexander			5160	5347		5310'-2/10 1" w/water
Sandy shale			5225			20 fts down: 2/10 1" w/water

TD 5347

ASHMAX37 W35

017 4267

STAGE ONE:

Alexander/Leopold
24 holes (5039' - 5221') Fractured with gelled water, 30# gel/1000 gals,
60,000 lbs 20/40 sand, 500 gals 15% HCl acid.

ASHMAX37.W35

STAGE TWO:

Benson
18 holes (4875' - 4882') Fractured with gelled water, 30# gel/1000 gals,
25,000 lbs 20/40 sand, 500 gals 28% HCl acid.

STAGE THREE:

Riley/Bradford
16 holes (4322' - 4454') Fractured with gelled water, 30# gel/1000 gals,
5,000 lbs of 80/100 sand, 28,500 lbs of 20/40 sand and 500 gals of 28% HCl
acid

STAGE FOUR:

Balltown
14 holes (4195' - 4206') Fractured with gelled water, 30# gel/1000 gals,
37,000 lbs of 20/40 sand and 500 gals of 15% HCl acid.

NOV 8 1996

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Division of
Environmental Protection

DEC 04 1995

FORM WW-2B Permitting
Office of ~~Oil and Gas~~

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

Issued 06/06/96
Expired 06/06/98

Page 3 of 9

Well Operator: Eastern American Energy Corporation ²⁵⁹ 14980 (8) 526

21450

Operator's Well Number: Ashland/Maxwell #37 3) Elevation: 1238'

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

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

- 5) Proposed Target Formation(s): Alexander ^{43a}
- 6) Proposed Total Depth: 5328 feet
- 7) Approximate fresh water strata depths: 30', 50', 120'
- 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	1200	1200	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	5243	5243	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 _____

Oil
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond (Type) _____ Agent

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WV Division of
Permitting
Office of Oil & Gas
OCT 04 1995

1) Date: December 1, 1995
2) Operator's well number
Ashland/Exwell #37
3) API Well No: 47 - 017 4267 (8930)
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served: (a) Coal Operator: (a) Name Lucy E. Harper
Address 511 Boca Ciega Point Blvd. N. Address St. Petersburg, FL 33708
(b) Name Agent: Mathew Hamplet
Address 3351 Mar-lu Ridge Road

(b) Coal Owner(s) with Declaration
Name Address
Name Address

(c) Name Jefferson, MD, 21755
Address
Name 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 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 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 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: John M. Walker
Designated Agent
P.O. Box 820
Glennville, WV 26351

Telephone (304) 462-5781
Subscribed and sworn before me this 1st day of December, 1995

Wanda Lee Skinner Notary Public
My commission expires October 10, 2000