

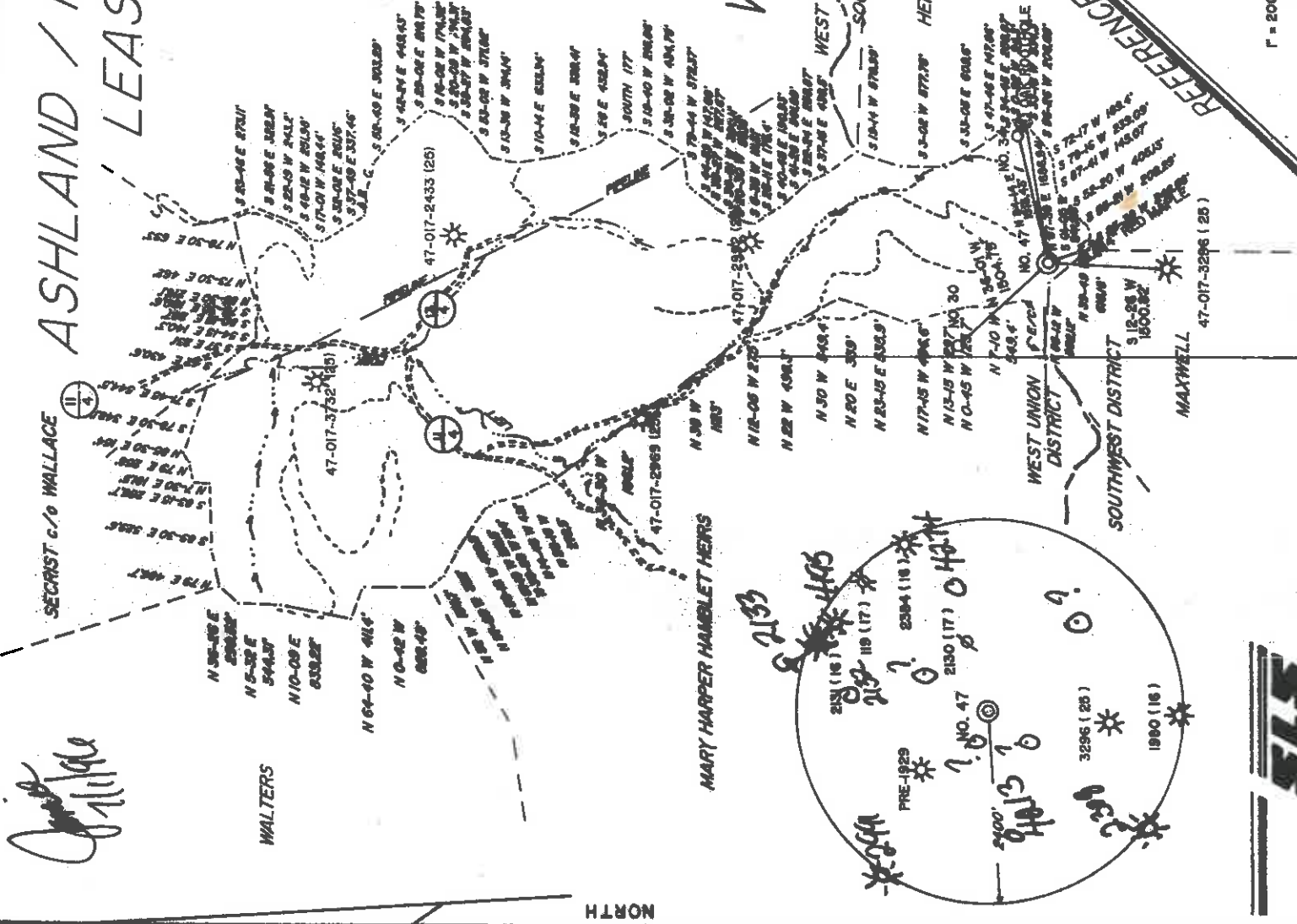
ASHLAND / MAXWELL LEASE

936.86 ACRES ±

LINE TABLE
A. S 70-06 E 102.84'
B. S 87-17 E 200.01'
C. S 78-49 E 338.9'

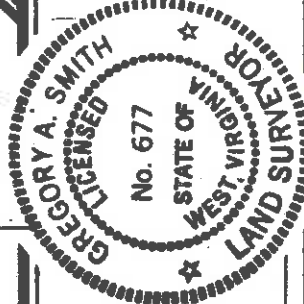
HOLLAND

WELL NO. 47



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 17, 19 93

OPERATORS WELL NO. ASHLAND / MAXWELL WELL NO. 47

API WELL NO. 47 - 017 - 04275 COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 277 (42-41)
PROVEN SOURCE OF ELEVATION U.S.G.S. S.I.C. (MAXWELL) ELEVATION 1395 SCALE 1" = 2000'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



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

LOCATION: ELEVATION 1302' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDGE QUADRANGLE OXFORD 7.5

SURFACE OWNER CHARLES P. HEASTER ET. AL. ACREAGE 936.86

ROYALTY OWNER LEWIS MAXWELL HEIRS ET. AL. LEASE ACREAGE 936.86 OF 2654 LEASE NO. WVO2358 - 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 5425'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION, DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N GLENVILLE, WY 26391 259 ADDRESS 501 56th ST., CHARLESTON, WY 25304

RECEIVED
WV Division of
Environmental Protection

NOV 07 1996

WR-35

API # 47-017-04275
02-Jul-96

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

Well Operator's Report of Well Work

Farm name: HEASTER, CHARLES P. ETAL. Operator Well No.: ASHLND/MAXWL #47

LOCATION: Elevation: 1302.00 Quadrangle: OXFORD County: DODDRIDGE
District: WEST UNION
Latitude: 13190 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 8720 Feet West of 80 Deg. 45 Min. 0 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: 07/16/96
Well work completed: 07/21/96
Verbal plugging
permission granted on:
Rotary Cable _____ Rig _____
Total Depth (feet) 5427'
Fresh water depths (ft) 210'

Salt water depths (ft) NONE

Is coal being mined in area? (Y/N) N

Coal Depths (ft) NONE

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, Riley, Bradford, Balltown

Pay zone depth (ft) 5255' - 4063'
Gas: Initial open flow 389 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 286 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock pressure 1435 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

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

Date: NOVEMBER 8, 1996

NOV 8 1996

NOV 8 1996

FORMATION	COLOR	HARD OR SOFT	TOP		BOTTOM		REMARKS
			FEET	FEET	FEET	FEET	
Conductor			0	32			Including indication of all fresh & salt water, coal, oil & gas
Sandy Shale			32	1910		1/2" water @ 285	
Big Lime			1910	2012			
Keener			2028	2028			
Big Injun			2028	2052			
Weir			2202	2310			
Berea			2408	2412		2561' -20/10 2" w/water	
Gordon			2594	2644		2814' -20/10 2" w/water	
						3280' -12/10 2" w/water	
Warren			3283	3312		3596' -12/10 2" w/water	
						3815' -12/10 2" w/water	
						4003' -10/10 2" w/water	
Balltown			Absent	4252		4347' -10/10 2" w/water	
Lower Balltown			4228	4364		4470' - 8/10 2" w/water	
Bradford			4351	4502		4749' - 8/10 2" w/water	
Riley			4482	4502		4907' -10/10 2" w/water	
						5066' -10/10 2" w/water	
Benson			4920	4924			
Alexander			5172	5269		5348' - 8/10 2" w/water	
TD				5427			

ASHMAX47.W35

017 4275

STAGE ONE:

Alexander/Benson
22 holes (4920' - 5255') Fractured with 30#/1000 gals gelled water,
42,000 lbs 20/40 sand and 336 gals 15% HCl acid. ASHMAX47.W35

STAGE TWO:

Riley/Bradford
14 holes (4352' - 4490') Fractured with 30#/1000 gals gelled water, 5,000
lbs of 80/100 sand, 40,000 lbs 20/40 sand and 500 gals 28% HCl acid.

STAGE THREE:

Balltown
14 holes (4063' - 4246') Fractured with 30#/1000 gals gelled water,
38,000 lbs 20/40 sand and 500 gals 15% HCl acid.

NOV 8 1956

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

Issued 07/01/96
Expired 07/01/98

1. Well Operator: Eastern American Energy Corporation 1-4980 (B) 526 Elevation: 1302'

2. Operator's Well Number: Ashland/Maxwell #47

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

5. Proposed Target Formation(s): Alexander 439
6. Proposed Total Depth: 5,425 feet
7. Approximate fresh water strata depths: 59,389
8. Approximate salt water depths: none
9. Approximate coal seam depths: 269-274, 1045-1050
10. Does land contain coal seams tributary to active mine? Yes ___ / No X /
11. Proposed Well Work: Drill and complete new well
12. Deepest Red Rock: _____
13. Wells used to correlate data: DOD 119, 3296, 4039

222242

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JUL 01 1996
Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight Per Foot	For Drilling	Left in Well	Fill-Up (cu. ft.)
Conductor	11-3/4"	F-25	32 #/ft	20'	0	
Fresh Water	8-5/8"	H-40		1000'	1000	CTS 38 CSR 18-11.3
Coal						38CSR18-11.3
Intermediate						
Production		M-65	9.5 #/ft		5342'	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 _____

For Division of Oil and Gas Use Only

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 - Plat WW-9 WW-2B Bond Agent
- WW9A WW2B1
WW2A1

1303120

925-3285 feet copy of front to John in KC.

RECEIVED
WV Division of
Environmental Protection

JUL 11 1996

1) Date: June 26, 1996
2) Operator's well number ASHLAND/MAXWELL #47
3) API Well No: 47 - 017 - 4275
State - County - Permit

Permitting
Office of ~~Oil & Gas~~ 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, Agent
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) - 782-1043

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

XX 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 _____ on the above named parties, by:

XX 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. Paletti, John Paletti
Its: Designated Agent
Address 501 56th Street
Charleston, WV 25304
Telephone (304) 925-6100

Subscribed and sworn before me this _____ day of _____, 19____

My commission expires _____ Notary Public