

39° 17' 30"

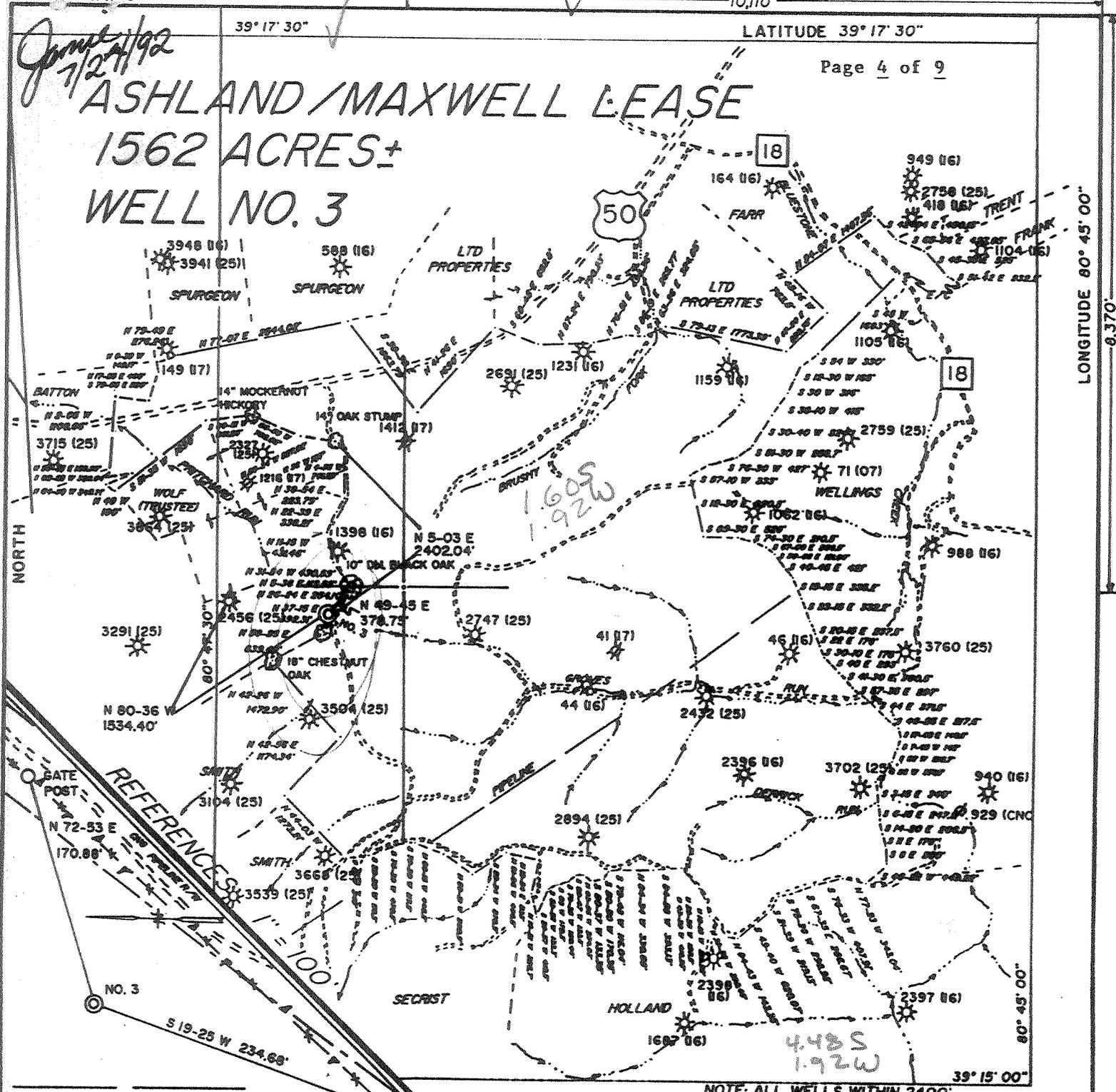
LATITUDE 39° 17' 30"

June 1/92
7/21/92

ASHLAND / MAXWELL LEASE

1562 ACRES±

WELL NO. 3



24" WHITE OAK ON KNOB

1564.81 ACRES± SHOWN

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*
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JUNE 18, 19 92
 OPERATORS WELL NO. ASHLAND / MAXWELL
 WELL NO. 3
 API WELL NO. 47 - 017 - 3978
 STATE WV COUNTY DODDRIDGE PERMIT WVD00004303

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (39-51)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1352' 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 1303' WATERSHED PRITCHARD RUN
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5' SE
 SURFACE OWNER WILLIAM J. WOLFE (TRUSTEE) ET. AL. ACREAGE 43
 ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 43 OF 1564.81 P/O 1562
 PROPOSED WORK: LEASE NO. WV02526 - +
 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 5532'

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

6-6 Smithton - Flint - Sedalia (099)

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

Well Operator's Report of Well Work

NOV 12 92
WV Division of
Environmental Protection

Farm name: WOLFE, WM. J.

Operator Well No.: ASHLND/MXWL 3

LOCATION: Elevation: 1303.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 8370 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 10110 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX N
GLENNVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 07/24/92
Well work Commenced: 08/26/92
Well work Completed: 09/14/92
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5532'
Fresh water depths (ft) 55', 260'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 257-300', 810-814'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1329.85'	1329.85'	CTS 335 sxs
4-1/2"	---	5520.05'	800 sxs
1-1/2"	---	5320.00'	---

OPEN FLOW DATA

(commingled) 5407.5'-
Producing formation Alexander, Riley, Balltown Pay zone depth (ft) 3998'
Gas: Initial open flow 750 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 596 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1400 psig (surface pressure) after 24 Hours

Second 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 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: Ronald L. Rech
EASTERN AMERICAN ENERGY CORP.

Reviewed TM6
Recorded CIT

By: Ronald L. Rech, Regional Drilling Manager
Date: September 15, 1992

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Redrock and Shale			0	50	
Sand and Shale			50	80	1/2" water at 55'
Shale and Redrock			80	171	1/2" water at 260'
Sand			171	181	
Redrock and Shale			181	194	
Sand			194	225	
Coal			225	227	
Sand			227	305	1959' - no show
Redrock			305	310	2116' - no show
Sand and Shale			310	349	2334' - 4/10 thru 2" w/w
Redrock			349	386	2677' - 4/10 thru 2" w/w
Sand and Shale			386	416	2893' - 4/10 thru 2" w/w
Shale and Redrock			416	500	3297' - 6/10 thru 2" w/w
Sand			500	507	3609' - 4/10 thru 2" w/w
Redrock and Shale			507	810	3919' - 2/10 thru 2" w/w
Coal			810	814	4574' - 2/10 thru 2" w/w
Redrock and Shale			814	1023	4791' - 4/10 thru 2" w/w
Sand			1023	1028	5258' - 6/10 thru 2" w/w
Redrock and Shale			1028	1176	5506' - 3/10 thru 2" w/w
Sand			1176	1204	
Redrock and Shale			1204	1262	
Sand			1262	1305	
Sand and Shale			1305	2008	
Little Lime			2008	2064	
Shale			2064	2073	
Big Lime			2073	2150	
Keener			2150	2202	
Big Injun			2202	2248	
Shale			2248	2314	
Weir			2314	2476	
Shale			2476	2571	
Berea			2571	2581	
Shale			2581	2766	
Gordon			2766	2816	
Shale w/tr Sand			2816	3424	
Warren			3424	3491	
Shale w/tr Silt			3491	3995	
Balltown			3995	4240	
Shale w/tr Silt			4240	4633	
Riley			4633	4674	
Shale w/tr Silt			4674	5086	
Benson			5086	5090	
Shale			5090	5324	
Alexander			5324	5412	
Shale			5412	5537	
Total Depth				5537	

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

ASHLAND/MAXWELL #3

47-017-3978

Three Stage Frac -

Alexander: 20 holes (5407.5'-5359'), fraced w/energized water, 30 lbs gel/1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 100,000 scf of N₂

Riley: 16 holes (4662'-4638'), fraced w/energized water, 30 lbs gel/1000 gals, 35,000 lbs 20/40 sand, 500 gals 15% HCl acid and 87,100 scf of N₂

Balltown: 16 holes (4207'-3998'), fraced w/energized water, 30 lbs gel/1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 74,000 scf of N₂

NOV 20 1992

REC
WV
Environment

017-3978
Issued 7/24/92

FORM WW-2B

Page 3 of 9

Permit
Office of

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

Expires 7/24/94

- 1) Well Operator: Eastern American Energy Corporation 14980 (8) 670
- 2) Operator's Well Number: ASHLAND/MAXWELL #3 3) Elevation: 1303'
WVDOD004303
- 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: 5532' feet
- 7) Approximate fresh water strata depths: 250', 280', 329', 474', 600'
- 8) Approximate salt water depths: None OK
- 9) Approximate coal seam depths: 279-282', 816-819'
- 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	40'		
Fresh Water	8-5/8"	F-25	20.0	1325'	1325'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5447'	5447'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9578 casing.

PACKERS : Kind _____
Sizes _____
Depths set _____

25152
25

For Division of Oil and Gas Use Only

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

RECEIVED
M 1 C
Orig. Perm.

1) Date: July 9, 1992
2) Operator's well number
ASHLAND/MAXWELL #3 WVDOD004303
3) API Well No: 47 - 017 - 3978
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>William J. Wolfe</u>
Address <u>5210 N. Grey Mt. Trail</u>
<u>Tucson, AZ 85715</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>William J. Wolfe</u>
Address <u>5210 N. Grey Mt. Trail</u>
<u>Tucson, AZ 85715</u></p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u>
Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
Address <u>Rt. 2 Box 135</u>
<u>Salem, WV 26426</u>
Telephone (304)- <u>782-1043</u></p> | |

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 9 on the above named parties, by:

- Personal Service (Affidavit attached)
- XX 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. Galett
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781



OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARILYN M. BEAN
257 N. RIVER AVE.
WESTON, WV 26452
My Commission Expires Feb. 26, 2002

Subscribed and sworn before me this 9th day of July, 1992

My commission expires February 26, 2002. Marilyn M. Bean Notary Public