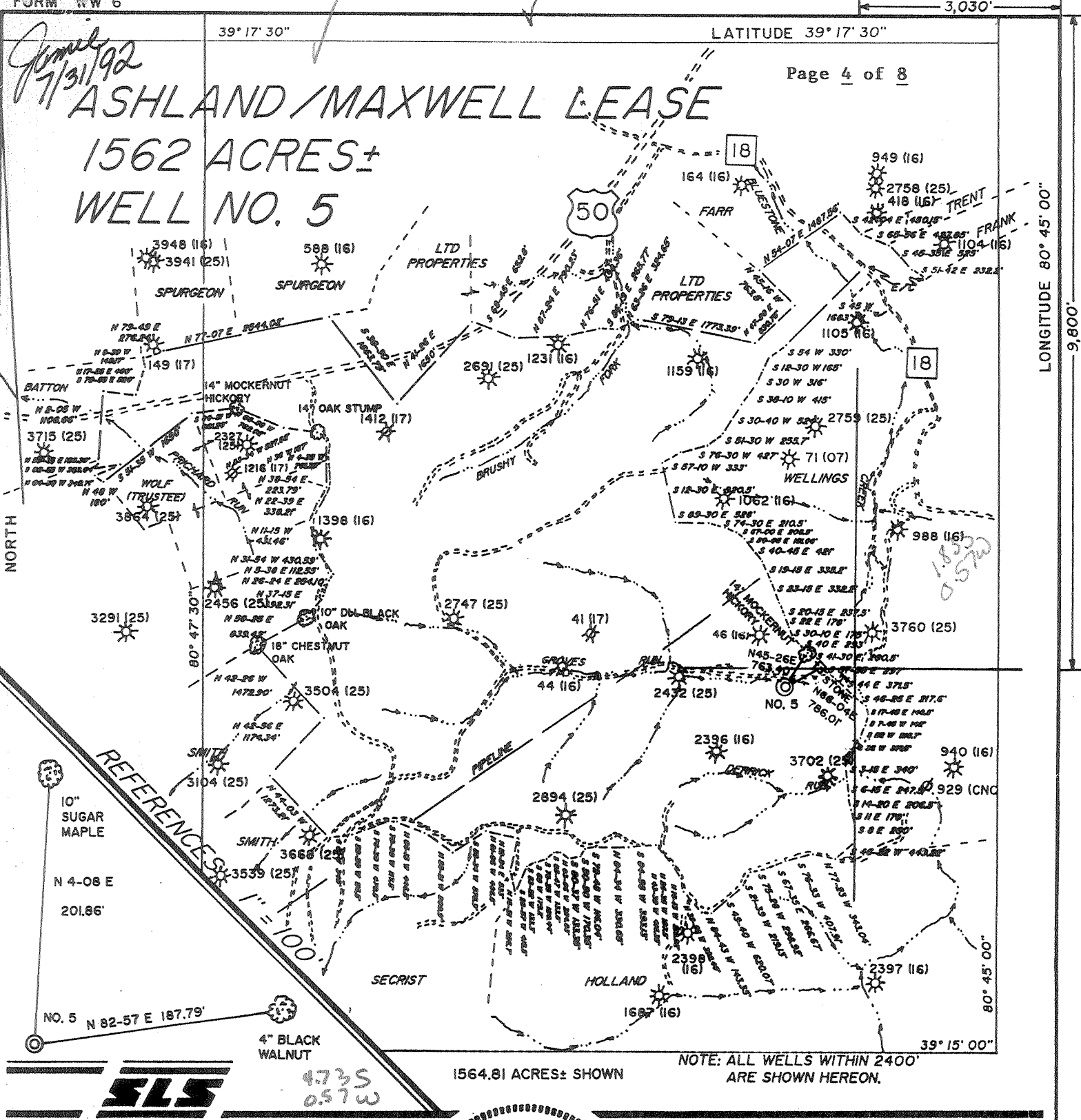


April 7/31/92

# ASHLAND / MAXWELL LEASE

## 1562 ACRES± WELL NO. 5



LONGITUDE 80° 45' 00"

9,086'

80° 45' 00"

1564.81 ACRES± SHOWN

NOTE: ALL WELLS WITHIN 2400' ARE SHOWN HEREON.



4735  
057W

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JUNE 18, 19 92  
 OPERATORS WELL NO. ASHLAND / MAXWELL  
 API NO. WV00004305 WELL NO. 5  
 WELL NO. 47 - 017 - 3980  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (39-49)  
 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 877' WATERSHED GROVES RUN OF BLUESTONE CREEK  
 DISTRICT WEST UNION 8 COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5415  
 SURFACE OWNER ANNA DAVIES RILEY ET. AL. ACREAGE 1498.73  
 ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 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 5049'

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

COUNTY NAME PERMIT

259  
h-l Smithson - Flint - Sedalia - (1999)

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: RILEY, ANNA DAVIES ETAL Operator Well No.: ASHLAND/MAXWL#5

LOCATION: Elevation: 877.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE  
Latitude: 9800 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 3030 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD  
Permit Issued: 08/03/92  
Well work Commenced: 09/01/92  
Well work Completed: 09/18/92  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary XX Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5075'  
Fresh water depths (ft) 20', 55', 925'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): None

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			CTS
8-5/8"	994	994	270 sxs
4-1/2"	---	4981.90	800 sxs
1-1/2"	---	4802.75	

OPEN FLOW DATA

(commingled)

Alexander, Benson,

4904.5'-

Producing formation 3rd Riley, Riley, Balltown Pay zone depth (ft) 3689'

Gas: Initial open flow 675 MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 600 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 24 Hours

Static rock Pressure 1350 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 TMB

Recorded CH

By: Ronald L. Rech, Regional Drilling Manager

Date: September 21, 1992

NOV 20 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
Fill			0	5	
Red Rock			5	26	1/4" stream water @ 20'
Sand and Shale			26	171	1/4" stream water @ 55'
Shale and Red Rock			171	185	1" stream water @ 915'
Sand and Shale			185	275	
Shale and Red Rock			275	426	
Sand and Shale			426	455	
Shale and Red Rock			455	660	Gas Checks:
Sand and Shale			660	715	1648' - no show
Shale and Red Rock			715	839	1772' - 2/10 thru 2" w/w
Shale and Sand			839	925	1990' - 8/10 thru 2" w/w
Red Rock			925	934	2145' - 12/10 thru 2" w/w
Sand and Shale			934	974	2393' - 12/10 thru 2" w/w
Red Rock			974	979	2859' - 10/10 thru 2" w/w
Sand and Shale			979	1070	3199' - 10/10 thru 2" w/w
Shale and Red Rock			1070	1492	3668' - 20/10 thru 2" w/w
Little Lime			1492	1502	4037' - 18/10 thru 2" w/w
Sand and Shale			1502	1530	4257' - 14/10 thru 2" w/w
Big Lime			1530	1602	4538' - 14/10 thru 2" w/w
Big Injun			1602	1690	4661' - 18/10 thru 2" w/w
Shale			1690	1840	5003' - 14/10 thru 2" w/w
Weir			1840	1940	TD - 14/10 thru 2" w/w
Shale			1940	2044	DC - 10/10 thru 2" w/w
Berea			2044	2058	
Shale			2058	2240	
Gordon			2240	2292	
Sand and Shale			2292	2920	
Warren			2920	2955	
Shale			2955	2972	
Speechley			2972	3059	
Sand and Shale			3059	3687	
Balltown			3687	3720	
Sand and Shale			3720	4100	
Riley			4100	4146	
Sand and Shale			4146	4470	
3rd Riley			4470	4506	
Shale			4506	4562	
Eenson			4562	4574	
Shale			4574	4810	
Alexander			4810	4908	
Shale			4908	5075	
TD				5075'	

NOV 2 1952

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

Alexander: 19 holes (4904.5'-4850.5'), fraced w/energized water, 30 lbs gel,  
60,000 lbs 20/40 sand, 500 gals 15% HCl acid and 127,600 scf of N<sub>2</sub>

Benson/3rd Riley: 16 holes (4569.5'-4500.5'), fraced w/energized water, 30 lbs gel,  
50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 127,600 scf of N<sub>2</sub>

Riley: 15 holes (4143'-4110.5'), fraced w/energized water, 30 lbs gel,  
35,000 lbs 20/40 sand, 500 gals 15% HCl acid and 80,500 scf of N<sub>2</sub>

Balltown: 16 holes (3711'-3689'), fraced w/energized water, 30 lbs gel,  
25,800 lbs 20/40 sand, 500 gals 15% HCl acid and 105,000 scf of N<sub>2</sub>

017-3980 ~~3980~~ Issued 8/13/92 Expires 8/13/94

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

- 1) Well Operator: Eastern American Energy Corporation <sup>250</sup> <sup>W480</sup> <sup>8</sup> <sup>670</sup>
- 2) Operator's Well Number: ASHLAND/MAXWELL #5 3) Elevation: 877'  
WVDOD004305
- 4) Well type: (a) Oil   / or Gas XX/  
(b) If Gas: Production XX/ Underground Storage   /  
Deep   / Shallow XX
- 5) Proposed Target Formation(s): Alexander <sup>429</sup>
- 6) Proposed Total Depth: 5049' feet
- 7) Approximate fresh water strata depths: 79', 194', 405', 1385'
- 8) Approximate salt water depths: None <sup>OK</sup>
- 9) Approximate coal seam depths: 201' - 203'
- 10) Does land contain coal seams tributary to active mine? Yes   / No XX/
- 11) Proposed Well Work: Drill and complete new well.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	F-25	32.0	40'		
Fresh Water	8-5/8"	F-25	20.0	1000'	1000'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	4964'	4964'	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

1 6

- 1) Date: July 15, 1992
- 2) Operator's well number  
ASHLAND/MAXWELL #5 WVDOD004305
- 3) API Well No: 47 - 017 - 3980  
State - County - 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 Anna Davies Riley et al  
Address Rt. 1 Box 161  
Round Hill, VA 22141
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
  
- 6) Inspector Mike Underwood  
Address Rt. 2 Box 135  
Salem, WV 26426  
Telephone (304)- 782-1043

- 5) (a) Coal Operator:
  - Name N/A
  - Address \_\_\_\_\_
  
- (b) Coal Owner(s) with Declaration
  - Name Anna Davies Riley et al
  - Address Rt. 1 Box 161  
Round Hill, VA 22141
  
- (c) Coal Lessee with Declaration
  - Name N/A
  - Address \_\_\_\_\_

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 8 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. Galitt  
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 15th day of July, 19 92

Marilyn M. Bean Notary Public

My commission expires February 26, 2002.