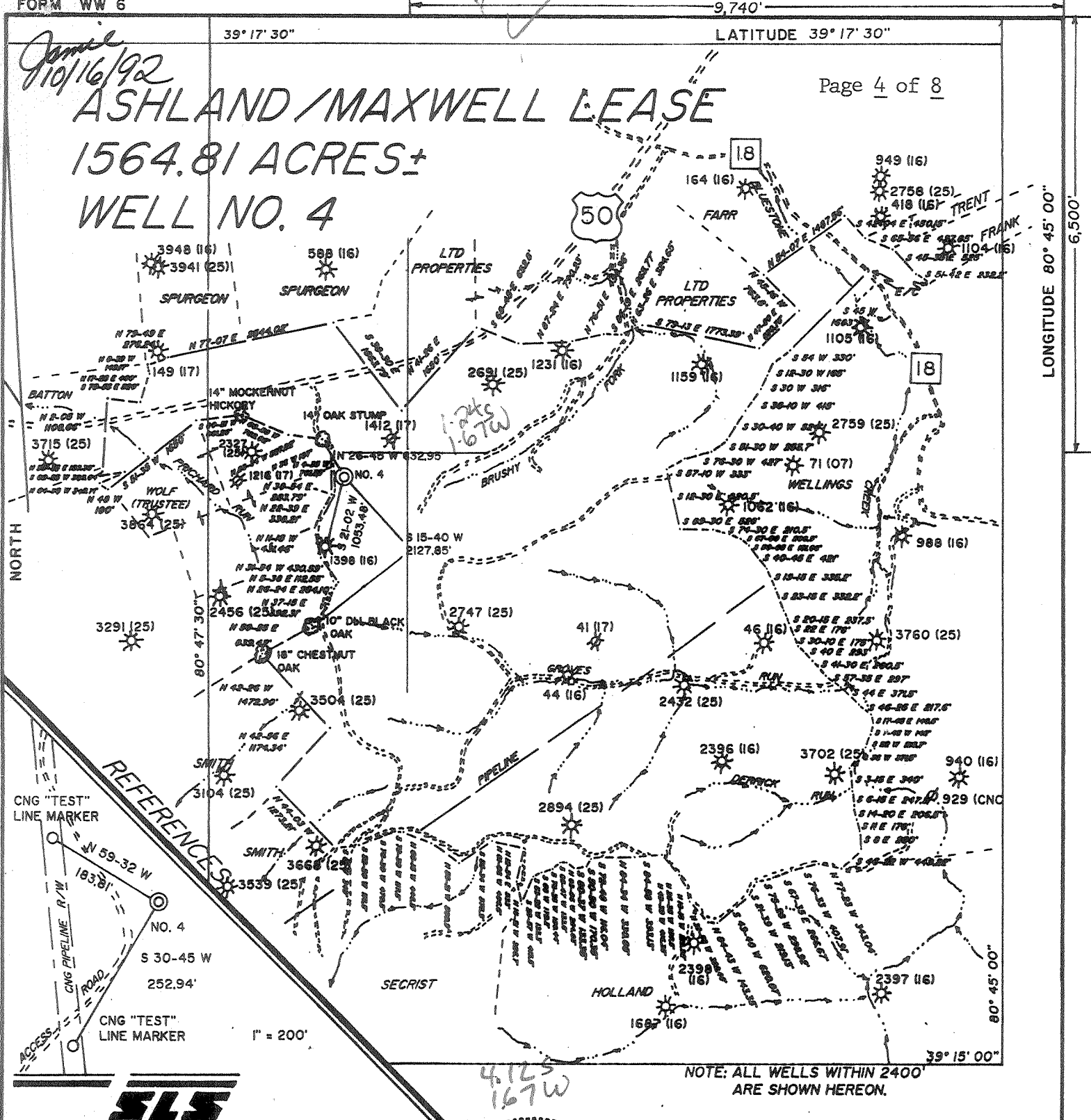


James
11/16/92

ASHLAND / MAXWELL LEASE

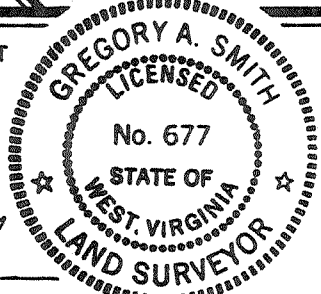
1564.81 ACRES ±

WELL NO. 4



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 SEPTEMBER 28, 19 92
 OPERATORS WELL NO. ASHLAND / MAXWELL
 WELL NO. 4
 API WELL NO. 47-017-3991
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT WVDOD004304

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (39-70)
 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 1187' WATERSHED BRUSHY FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER ANNA DAVIES RILEY ET AL. ACREAGE 1498.73
 ROYALTY OWNER LEWIS MAXWELL ET AL. LEASE ACREAGE 1498.73 OF 1564.81

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) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5466'

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

66 Straight Forks Blue Stone Creek (103) (099)

LONGITUDE 80° 45' 00"

COUNTY NAME PERMIT

JAN 13 93

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

Well Operator's Report of Well Work

Farm name: RILEY, ANNA DAVIES Operator Well No.: ASHLND/MAXWEL 4

LOCATION: Elevation: 1187.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 6500 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 9740 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: 10/19/92
Well work Commenced: 10/31/92
Well work Completed: 11/11/92
Verbal Plugging
Permission granted on:
Rotary XX Cable _____ Rig
Total Depth (feet) 5439'
Fresh water depths (ft) 210'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 90-95', 140-145',
645-650'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1235'	1235'	CTS 310 sxs
4-1/2"	---	5390.70	720 sxs
1-1/2"	---	5205.80	

OPEN FLOW DATA

Alexander, Benson, 3rd Riley, 5312'-
Producing formation 2nd Riley, Speechley Pay zone depth (ft) 3417.5'
Gas: Initial open flow 692 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 605 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1325 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 FMC
Recorded _____

By: Ronald L. Rech, Regional Drilling Manager
Date: November 11, 1992

JAN 20 93

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

Alexander: 15 Holes (5312'-5248'), fraced w/energized water (150 scf/bbl), 30 lbs/1000 gals gel, 60,000 lbs 20/40 sand, 500 gals 15% HCl acid and 106,000 scf of N₂

Benson/3rd Riley/2nd Riley: 14 Holes (4989'-4849.5'), fraced w/energized water (150 scf/bbl), 30 lbs/1000 gals gel, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 103,000 scf of N₂

Riley: 13 Holes (4557'-4538'), fraced w/energized water (150 scf/bbl), 30 lbs/1000 gals gel, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 88,000 scf of N₂

Speecheley: 14 Holes (3500'-3417.5'), fraced w/energized water (150 scf/bbl), 30 lbs/1000 gals gel, 35,000 lbs 20/40 sand, 500 gals 15% HCl acid and 80,000 scf of N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	90	
Coal			90	95	Coal
Red Rock and Shale			95	140	
Coal			140	145	Coal
Shale and Red Rock			145	341	1/2" stream water @ 210'
Sand, Shale and Red Rock			341	557	
Sand and Shale			557	645	
Coal			645	650	Coal
Sand, Shale and Red Rock			650	780	
Sand			780	800	
Sand, Shale and Red Rock			800	1084	
Sand and Shale			1084	1856	
Shale			1856	1936	<u>Gas Checks:</u>
Little Lime			1936	1960	2200' - no show
Shale			1960	1980	2605' - odor
Big Lime			1980	2040	2729' - 2/10 thru 2" w/w (60mcf)
Big Injun			2040	2124	3256' - 2/10 thru 2" w/w (60mcf)
Shale			2124	2274	3505' - 4/10 thru 2" w/w (84mcf)
Weir			2274	2378	3818' - 2/10 thru 2" w/w (60mcf)
Shale			2378	2474	4098' - 4/10 thru 2" w/w (84mcf)
Berea			2474	2485	4472' - 2/10 thru 2" w/w (60mcf)
Shale			2485	2670	5094' - 2/10 thru 2" w/w (60mcf)
Gordon			2670	2722	5439' - 2/10 thru 2" w/w (60mcf)
Shale			2722	3340	DC - 1/10 thru 2" w/w (42mcf)
Warren			3340	3396	
Shale			3396	3409	
Speecheley			3409	3506	
Sand and Shale			3506	4532	
Riley			4532	4575	
Sand and Shale			4575	4844	
2nd Riley			4844	4872	
Shale			4872	4890	
3rd Riley			4890	4928	
Shale			4928	4984	
Benson			4984	4992	
Shale			4992	5224	
Alexander			5224	5315	
Shale			5315	5439	
TD.				5439	

017 3991
 Issued 10/19/92
 Expires 10/19/94
 Page 3 of 8

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

- 1) Well Operator: ²⁵⁹ Eastern American Energy Corporation 14980 (8) 670
- 2) Operator's Well Number: ASHLAND/MAXWELL #4 WVDOD004304 3) Elevation: 1187'
- 4) Well type: (a) Oil ___/ or Gas XX/
 (b) If Gas: Production XX/ Underground Storage ___/
 Deep ___/ Shallow XX/
⁴³⁹
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5466' feet
- 7) Approximate fresh water strata depths: 134', 186', 213', 358', 484'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 614-617'
- 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	Fill-up (cu. ft.)
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						38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5381	5381	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9' casing.

PACKERS : Kind _____
 Sizes _____
 Depths set _____

34 For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund Agent

Plat WW-9 WW-2B Bond _____ (Type)

REC'D
 Environmental
 Permitting
 Office of WPCP

OCT 07 92

Permitting
Office of Oil & Gas

1) Date: October 2, 1992
2) Operator's well number ASHLAND/MAXWELL #4 WVDOD004304
3) API Well No: 47 - 017 - 3991
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: (a) Name <u>Anna Davies Riley et al</u> Address <u>Rt. 1 Box 161</u> <u>Round Hill, VA 22141</u> (b) Name <u>Tom Davies, POA</u> Address <u>1006 43rd Street</u> <u>Vienna, WV 26105</u> (c) Name _____ Address _____</p>	<p>5) (a) Coal Operator: Name <u>N/A</u> Address _____ (b) Coal Owner(s) with Declaration Name <u>N/A</u> Address _____ Name _____ Address _____ (c) Coal Lessee with Declaration 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 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. Galick
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 2nd day of October, 19 92

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