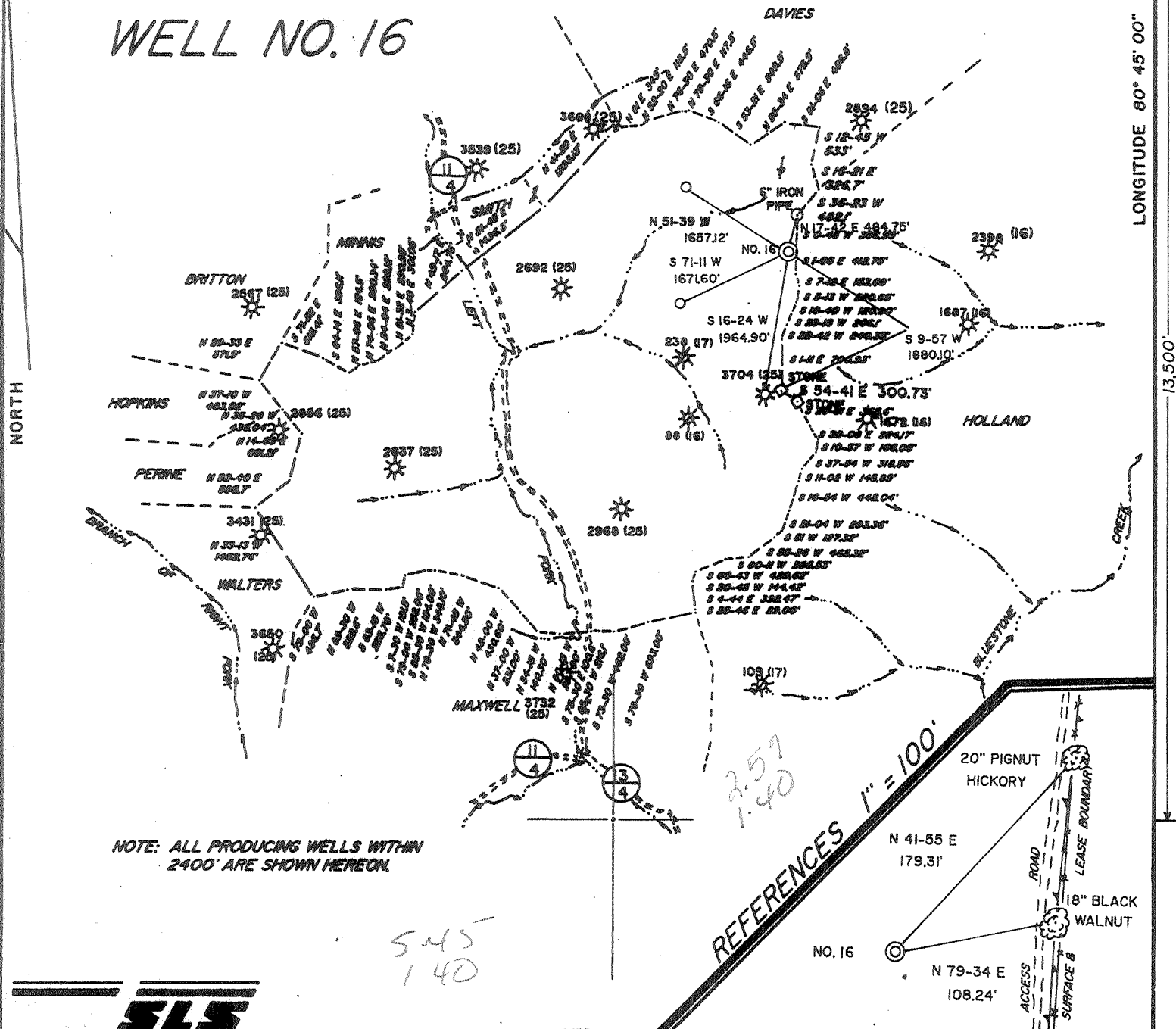
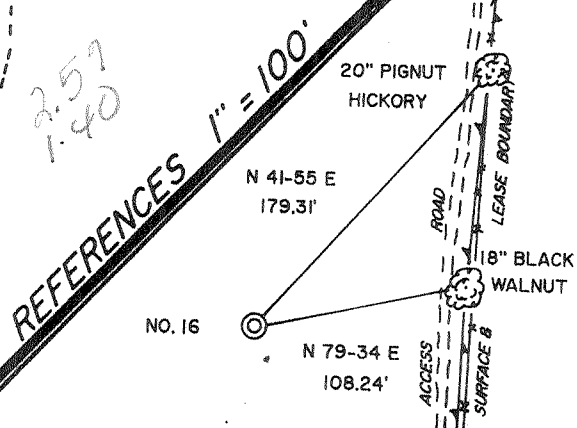


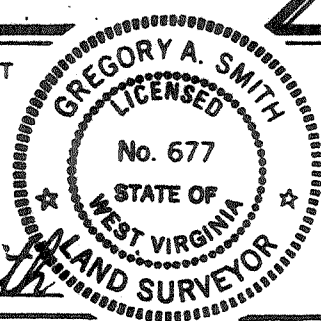
ASHLAND / MAXWELL LEASE 832.75 ACRES+ WELL NO. 16



NOTE: ALL PRODUCING 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. 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. 16
 API WELL NO. 47 - 017 - 4058
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (39-70)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1314' 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 1283' WATERSHED LEFT FORK OF ARNOLD CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER MARY FARR SECRIST c/o MARY AGNES WALLACE ACREAGE 832.75
 ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 832.75 OF 2654

PROPOSED WORK: LEASE NO. WVO2358 - +
 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 5513'

WELL OPERATOR Eastern American Energy Corporation 259 DESIGNATED AGENT John M. Paletti
 ADDRESS Box N Glenville, WV 26351 ADDRESS 501 56th St, Charleston, WV, 25304

6-6 133

FORM WW-208T 2 0 93

Permitting
 Office of

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

- 1) Well Operator: Eastern American Energy Corporation ²⁵⁹ #4980 (8) 471
- 2) Operator's Well Number: ASHLAND/MAXWELL #16 3) Elevation: 1283'
- 4) Well type: (a) Oil ___ / or Gas XX /
 (b) If Gas: Production XX / Underground Storage ___ /
 Deep ___ / Shallow XX /
- 5) Proposed Target Formation(s): Alexander ⁴³⁹
- 6) Proposed Total Depth: 5513 feet
- 7) Approximate fresh water strata depths: 151', 401', 476', 551', 736'
- 8) Approximate salt water depths: 1390' *OK*
- 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	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	11-3/4"	F-25	32.0	20'	----	----
Fresh Water	8-5/8"	F-25	20.0	1283'	1283'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	----	5428'	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 Surety Blanket Agent
 (Type)

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 22

RECEIVED
OCT 20 1993
Permitting
Office of Oil & Gas

1) Date: October 15, 1993
2) Operator's well number
ASHLAND/MAXWELL #16
3) API Well No: 47 - 017 - 4058
State - County - Permit

STATE OF WEST VIRGINIA
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) Name Mary Farr Secrist
Address Rt. 1, Box 56 A
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 _____
 - (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. Galbreath
Its: Designated Agent
Address P. O. Box 820
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 15th day of October, 1993

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



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

API # 47-17-04038

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

Well Operator's Report of Well Work

Farm name: SEACRIST, MARY FARR Operator Well No.: ASHLND/MAXWL#16

LOCATION: Elevation: 1,283.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 13500 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 7400 Feet West of 80 Deg. 45 Min. Sec.

Company: EASTERN AMERICAN ENERGY C
501 56TH STREET
GLENNVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 10/22/93
Well work Commenced: 04-16-94
Well work Completed: 04-29-94
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 5520'
Fresh water depths (ft) 168'
Salt water depths (ft) None

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1323.90'	1323.90'	310 sxs
4-1/2"	----	5456.90'	710 sxs

OPEN FLOW DATA

(Commingled)

Producing formation Alexander, Benson, Riley, ^{Balltown} Pay zone depth (ft) 5322'-4113'
Gas: Initial open flow 967 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 750 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1225 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: EASTERN AMERICAN ENERGY CORP.

By: Mark Jenkins, Senior Drilling Supervisor
Date: May 2, 1994

3 STAGE FRAC

Stage One:

Alexander/Benson: 20 holes (5010'-5322'), fraced w/energized water, 30 lbs gel/1000 gals, 60,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 109,000 scf of N2.

Stage Two:

Riley: 18 holes (4562.5'-4589.5'), fraced w/energized water, 30 lbs gel/1000 gals, 27,400 lbs of 20/40 sand, 500 gals of 15% HCL acid and 89,000 scf of N2.

Stage Three:

Balltown: 18 holes (4113' - 4261.5'), fraced w/energized water, 30 lbs gel/1000 gals, 45,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 103,000 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
Conductor			0	45	
Sand and Shale			45	70	
Sand			70	100	
Sand and Shale			100	120	
Red Rock and Shale			120	145	
Sand and Shale			145	280	1/4" H2O @ 168'
Red Rock and Shale			280	312	
Sand and Shale			312	400	<u>GAS CHECKS:</u>
Red Rock and Shale			400	500	1700' - No Show
Shale and Red Rock			500	621	1833' - Odor
Red Rock, Shale and Sand			621	713	1900' - Odor
Sand and Shale			713	807	2050' - Odor
Shale and Sand			807	930	2265' - Odor
Sand, Shale and Red Rock			930	1024	2481' - Odor
Red Rock and Shale			1024	1117	2666' - 14/10 thru 2" w/water
Shale and Sand			1117	1210	2851' - 12/10 thru 2" w/water
Sand and Shale			1210	1333	3100' - 10/10 thru 2" w/water
Shale and Sand			1333	1426	3317' - 6/10 thru 2" w/water
Sand and Shale			1426	1521	3598' - 4/10 thru 2" w/water
Shale and Sand			1521	1614	3812' - 4/10 thru 2" w/water
Sand and Shale			1614	1940	4060' - 4/10 thru 2" w/water
Big Lime			1940	2060	4401' - 10/10 thru 2" w/water
Injun Sand			2060	2124	4994' - 6/10 thru 2" w/water
Sand and Shale			2124	2234	5150' - 6/10 thru 2" w/water
Shale and Sand			2234	2326	5400' - 6/10 thru 2" w/water
Sand and Shale			2326	2419	Collars 4/10 thru 2" w/water
Shale and Sand			2419	2512	
Shale and Sand			2512	2604	
Sand and Shale			2604	2728	
Shale and Sand			2728	2821	
Sand and Shale			2821	3370	
Warren			3370	3400	
Sand and Shale			3400	3445	
Speechley			3445	3510	
Sand and Shale			3510	3620	
Shale and Sand			3620	3721	
Sand and Shale			3721	3812	
Shale and Sand			3812	3905	
Sand and Shale			3905	4029	
Shale and Sand			4029	4121	
Sand and Shale			4121	4215	
Shale and Sand			4215	4309	
Sand and Shale			4309	4401	
Shale and Sand			4401	4525	
Sand and Shale			4525	4618	
Shale and Sand			4618	5030	
Benson			5030	5038	
Sand and Shale			5038	5260	
Alexander			5260	5352	
Sand and Shale (TOTAL DEPTH)			5352	5520	

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