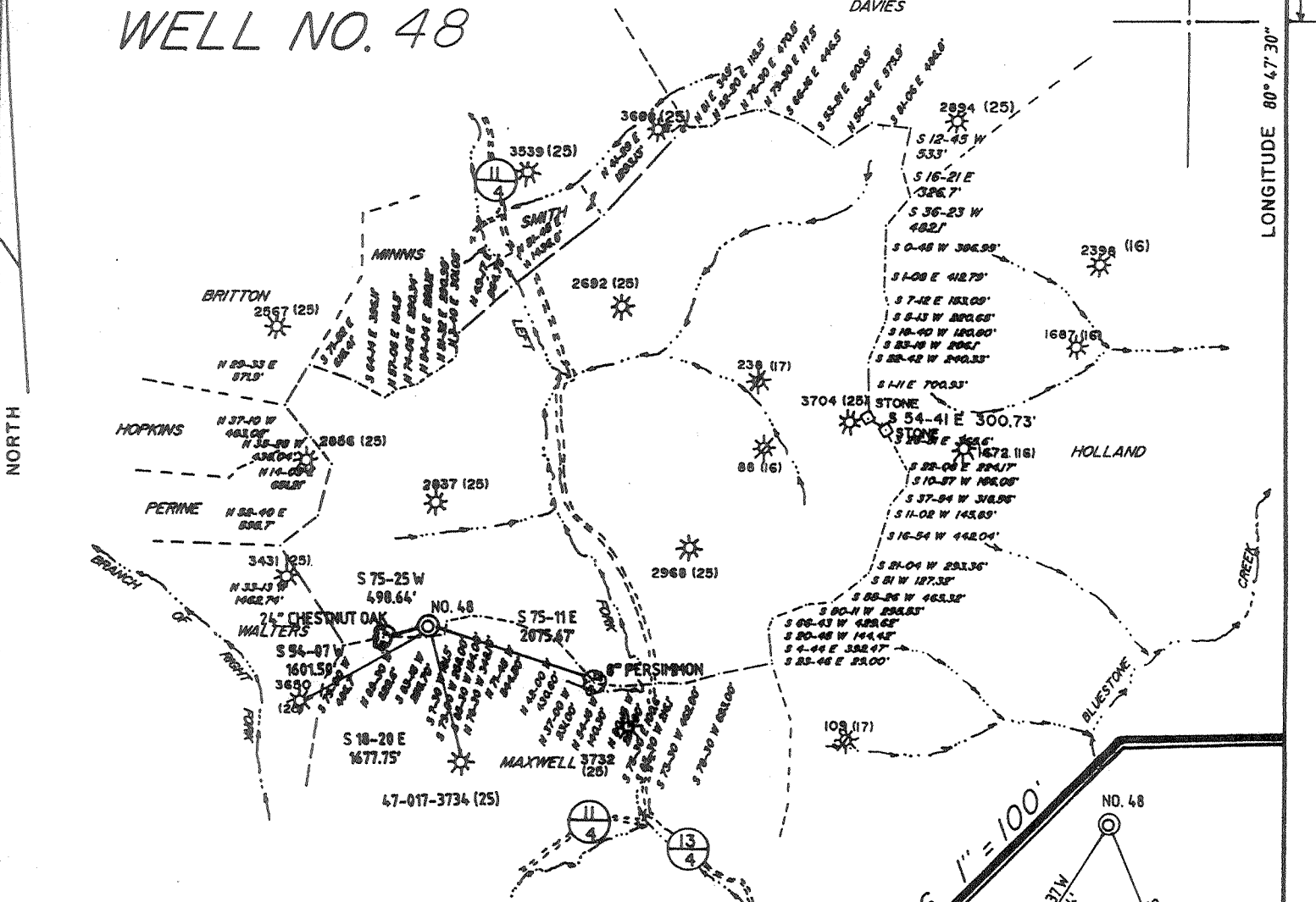


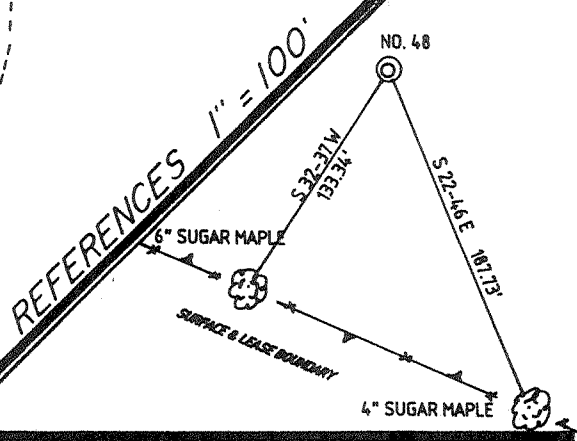
ASHLAND / MAXWELL LEASE 832.75 ACRES+ WELL NO. 48

0.50
0.22



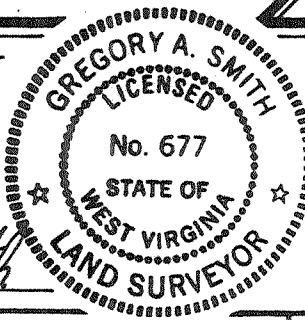
NOTE: ALL PRODUCING WELLS WITHIN 2400' ARE SHOWN HEREON.

0.50
2.45



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 MAY 28, 19 93
 OPERATORS WELL NO. ASHLAND / MAXWELL
 WELL NO. 48
 API WELL NO. 47 - 017 - 4027
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (42-65)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1287' 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 1219' WATERSHED LEFT FORK OF ARNOLD CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER MARY FARR SECRIST c/o MARY AGNES WALLACE ACREAGE 832.75 Holt NE
 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 5440'

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 Straight Fork, Bluestone Creek (133)

COUNTY NAME PERMIT

NOV 18 93

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: SECRIST, MARY FARR Operator Well No.: ASHLND/MAXWL#48

LOCATION: Elevation: 1,219.00 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE
Latitude: 2680 Feet South of 39 Deg. 15Min. Sec.
Longitude 1200 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
P.O. BOX 820
GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 07/30/93
Well work Commenced: 08/22/93
Well work Completed: 09/11/93
Verbal Plugging
Permission granted on: _____
Rotary XX Cable _____ Rig
Total Depth (feet) 5440'
Fresh water depths (ft) 428'
Salt water depths (ft) 1460'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1267.05'	1267.05'	300 sxs
4-1/2"	-----	5301.65'	725 sxs

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 559'-566'

OPEN FLOW DATA

(COMMINGLED) 2nd Riley, Riley, Balltown, 5254'-
Producing formation Alexander, Benson, 3rd Riley Pay zone depth (ft) 3863'

Gas: Initial open flow 1838 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 1838 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 0 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.

By: TMG

By: Ronald L. Rech, Regional Drilling Manager
Date: November 17, 1993

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	3	
Sand & Shale			3	12	
Sand, Shale & Red Rock			12	361	
Red Rock			361	408	
Sand			408	445	1/2" stream water @ 428'
Red Rock			445	461	
Sand & Shale			461	559	
Coal			559	566	
Sand & Lime			566	582	
Red Rock			582	601	
Sand & Shale			601	1420	
Sand			1420	1452	
Sand & Shale			1452	1874	Damp @ 1460'
Little Lime			1874	1902	
Shale			1902	1918	
Big Lime			1918	1980	
Big Injun			1980	2060	
Shale			2060	2214	
Weir			2214	2324	
Shale			2324	2414	
Berea			2414	2424	
Shale			2424	2604	2581' - 6/10 thru 1" w/water (26 MCF)
Gordon			2604	2649	2801' - 30/10 thru 1" w/water (58 MCF)
Shale			2649	3298	3309' - 20/10 thru 1" w/water (47 MCF)
Warren			3298	3334	3498' - 20/10 thru 1" w/water (47 MCF)
Shale			3334	3348	3806' - 26/10 thru 1" w/water (54 MCF)
Speechley			3348	3443	4190' - 18/10 thru 2" w/water (179 MCF)
Sand & Shale			3443	3858	4473' - 16/10 thru 2" w/water (169 MCF)
Balltown			3858	3871	4599' - 12/10 thru 2" w/water (146 MCF)
Shale			3871	4050	4915' - 10/10 thru 2" w/water (133 MCF)
Balltown			4050	4122	5106' - 8/10 thru 2" w/water (119 MCF)
Sand & Shale			4122	4470	5294' - 6/10 thru 2" w/water (103 MCF)
Riley			4470	4514	TD - 6/10 thru 2" w/water (103 MCF)
Shale			4514	4694	DC - 4/10 thru 2" w/water (84 MCF)
2nd Riley			4694	4727	
Sand & Shale			4727	4808	
3rd Riley			4808	4865	
Shale			4865	4922	
Benson			4922	4930	
Shale			4930	5166	
Alexander			5166	5263	
Shale			5263	5440	

DC 424
DPT-439

17602

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

017 4027

4 STAGE FRAC

Stage One

Alexander: 20 holes (5206'-5254'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000gals 60,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 110,000 scf of N2.

Stage Two

Benson/3rd Riley/2nd Riley: 16 holes (4698'-4925'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 93,000 scf of N2.

Stage Three

Riley: 14 holes (4478'-4511'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 40,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 91,000 scf of N2.

Stage Four

Balltown: 14 holes (3863'-4090'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 99,000 scf of N2.

RECEIVED

017-4027
Issued 7/30/95

FORM WW-2B

WV Division of
Environmental Protection

Page 3 of 8

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

Expires 7/30/95

Permitting WELL WORK PERMIT APPLICATION

Office of Oil & Gas

259

14980

8 526

17602

Well Operator: Eastern American Energy Corporation

Operator's Well Number: ASHLAND/MAXWELL #48 3) Elevation: 1219'

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: 5440' feet

7) Approximate fresh water strata depths: 37', 140', 332', 577

8) Approximate salt water depths: None

9) Approximate coal seam depths: 600-602'

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	20'		
Fresh Water	8-5/8"	F-25	20.0	1425'	1425'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	---	5355'	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

37483
13

1) Date: July 12, 1993
2) Operator's well number
ASHLAND/MAXWELL #48
3) API Well No: 47 - 017 - 4027
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>Mary Farr Secrist</u> Address <u>Rt. 1 Box 56 A</u> <u>West Union, WV 26456</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>N/A</u> Address _____</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 _____ on the above named parties, by:

- 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. Rakette
 Its: Designated Agent
 Address P.O. Box 820
Glenville, WV 26351
 Telephone 304/462-5781

ORIGINAL NOTARY PUBLIC
 STATE OF WEST VIRGINIA
 WASHINGTON M. STAN
 207 N. RIVER AVE.
 WESTON, WV 26452

My Commission Expires Feb. 26, 2002

Subscribed and sworn before me this 12th day of July, 1993

Maury H. Co. Notary Public

My commission expires February 26, 2002.