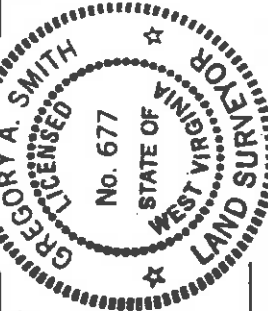
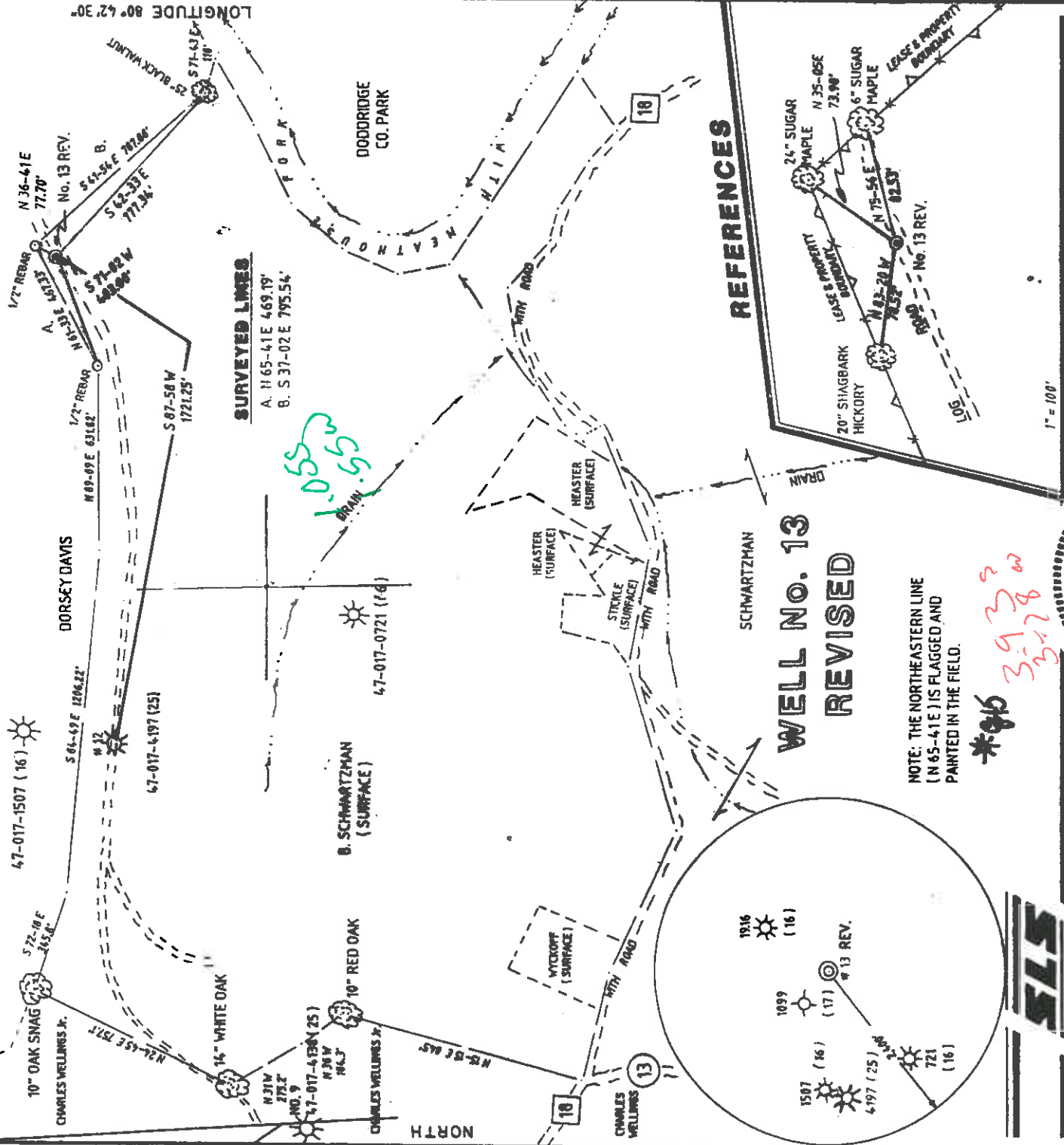


# Judy Ashland / Holland Lease 6/13/95 P/O 640 & 1882.82 ACRES

LATITUDE 39° 17' 30"

LONGITUDE 80° 42' 30"



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 BY 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 MAY 26, 19 95  
OPERATORS WELL NO. ASHLAND / HOLLAND # 13 REV.  
API WELL NO. 47-047-04201 COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3028 (53-50)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1248 SCALE 1" = 500'

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1183' WATERSHED MEATHOUSE FORK OF MIDDLE ISLAND CREEK  
DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER BEATRICE SCHWARTZMAN QUADRANGLE SMITHBURG 7.5' Center  
ROYALTY OWNER LEWIS MAXWELL III ET AL. ACREAGE 100.59  
LEASE ACREAGE 100.59 & 1882.82

PROPOSED WORK: LEASE NO. \_\_\_\_\_  
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) Old shale Borehole, Plug & Abandon ESTIMATED DEPTH 5762'

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

**RECEIVED**

WV Division of  
Environmental Protection

API # 47- 17-04201

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

SEP 20 1995

**Permitting  
Office of Oil & Gas** Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: Ashld/Holand 13

LOCATION: Elevation: 1,181.00 Quadrangle: SMITHBURG

District: WEST UNION County: DODDRIDGE  
Latitude: 5520 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 8230 Feet West of 80 Deg. 42 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: 06/13/95  
Well work Commenced: 06-24-95  
Well work Completed: 06-28-95  
Verbal Plugging  
Permission granted on: \_\_\_\_\_ Rig  
Rotary X Cable \_\_\_\_\_  
Total Depth (feet) 5394'  
Fresh water depths (ft) 60', 377',  
743'  
Salt water depths (ft) 1244'

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

**OPEN FLOW DATA**

(Commingled)

Alexander, Benson, 3rd Riley,

Producing formation Riley, Gordon pay zone depth (ft) 273'-2606'  
Gas: Initial open flow 671 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 582 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: EASTERN AMERICAN ENERGY CORP.

*Senior Drilling Supervisor*

BY: \_\_\_\_\_

Date: 09/14/95

SEP 20 1995

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

Three Stage Frac/One Stage Acid

- Stage One: Alexander; 21 holes (5205.5'-5273'), Fractured w/energized water, 30 lbs gel/1000 gals, 60,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 100,800 scf of N<sub>2</sub>.
- Stage Two: Benson/3rd Riley; 16 holes (4754.5'-4934), Fractured w/energized water, 30 lbs gel/1000 gals, 43,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 96,600 of N<sub>2</sub>.
- Stage Three: Riley; 15 holes (4476.5'-4494.5'), Fractured w/energized water, 30 lbs gel/1000 gals, 5,000 lbs of 80/100 sand, 15,000 lbs of 20/40 sand, 500 gals, of 15% HCl acid and 32,400 scf of N<sub>2</sub>.
- Stage Four: Gordon; 20 holes (2606'-2635'), Acidized w/500 gals of 15% HCl Acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Redrock & Shale	Red	Med	0	12	Including indication of all fresh and salt water, coal, oil and gas
sand & Shale	Gray	Med	12	32	
Redrock	Red	Soft	32	55	Damp @ 60'
Sand	Gray	Med	55	95	3/4" water @ 377'
Sand & Shale	Gray	Med	95	220	1/4" water @ 743'
Sand	Gray	Med	220	320	Damp @ 1244'
Redrock & Shale	Red	Soft	320	365	Gas Checks: 1492' No Show 1805' No Show 1961' No Show 2109' No Show 2427' No Show 2675' 8/10 2" w/mercury 2988' 6/10 2" w/mercury 3334' 6/10 2" w/mercury 3613' 6/10 2" w/mercury 4236' 6/10 2" w/mercury 4422' 6/10 2" w/mercury 4517' 4/10 2" w/mercury 4767' 4/10 2" w/mercury 4860' 4/10 2" w/mercury 4955' 4/10 2" w/mercury 5112' 4/10 2" w/mercury 5299' 4/10 2" w/mercury TD 4/10 2" w/mercury DC 4/10 2" w/mercury
Sand & Shale	Red	Med	365	414	
Sand & Shale	Gray	Med	414	450	
Sand	White	Hard	414	514	
Sand & Shale	Gray	Med	450	514	
Sand	Gray	Hard	514	640	
Redrock & Shale	Red	Soft	640	690	
Sand	Gray	Md.Hard	690	714	
Redrock & Shale	Red	Soft	714	726	
Sand & Shale	Gray	Med	726	743	
Redrock	Red	Soft	743	760	
Sahle	Gray	Soft	760	770	
Redrock & Shale	Gray	Soft	770	835	
Shale	Red	Med	835	841	
Redrock & Shale	Red	Soft	841	960	
Sand & Shale	Gray	Med	960	1080	
Redrock & Shale	Gray	Med	1080	1086	
Redrock & Shale	Red	Soft	1086	1092	
Sand & Shale	Gray	Med	1092	1110	
Shale	Dk.Gray	Soft	1110	1818	
Sand & Shale	Gray	Med	1110	1850	
Little Lime	Gray	Med	1818	1850	
Big Lime	Gray	Med	1850	1955	
Keener	Gray	Md.Soft	1955	1963	
Injun	White	Med	1963	2020	
Sand & Shale	Gray	Med	2020	2177	
Weir	Gray	Med	2177	2287	
Sand & Shale	Dk.Gray	Md	2287	2340	
Berea	Gray	Md.Soft	2287	2340	
Sand & Shale	Dk.Gray	Med	2340	2349	
Warren	Gray	Med	2349	3238	
Sand & Shale	Dk.Gray	Med	3238	3290	
	Gray	Med	3290	3990	

SEP

## WELL LOG

017 4201

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Balltown	Dk.Gray	Md.Soft	3990	4020	
Sand & Shale	Gray	Soft	4020	4455	
Riley	Lt.Brown	Med	4455	4495	
Sand & Shale	Gray	Med	4495	4815	
3rd Riley	Lt.Brown	Med	4815	4823	
Sand & Shale	Gray	Med	4823	4920	
Benson	Lt.Brown	Med	4920	4930	
Sand & Shale	Gray	Med	4930	5242	
Alexander	Dk.Gray	Med	5242	5252	
Shale	Gray	Soft.Md	5252	5392 TD	

SEP - 1 1965



MAY 10 1995

1. Well Operator: Eastern American Energy Corporation  
Permitting

259  
1480 8 611

Office of Oil & Gas Operator's Well Number: Ashland/Holland #13 3. Elevation: 1181'

4. Well type: (a) Oil  or Gas XX /  
Issued 06/13/95  
Expires 06/13/97

(b) If Gas: Production XX / Underground Storage   
Deep  Shallow XX /

5. Proposed Target Formation(s): Alexander 439

6. Proposed Total Depth: 5,362 feet

7. Approximate fresh water strata depths: 50', 130'

8. Approximate salt water depths: None

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 well.

12. Deepest Red Rock: 1,062'

13. Wells used to correlate date: Doddridge 3759, 3786, 2759, 2758, 4159, 4149, 4138, 4062

**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight Per Foot	For Drilling	Left in Well	
Conductor	11-3/4"	F-25	32.0	20'	---	Fill-Up (cu. ft.)
Fresh Water	8-5/8"	F-25	20.0	1100'	1100'	C.T.S. 38CSR18-11.3 & 11.2.2
Coal	9-5/8"	F-25	26.0			C.T.S.
Intermediate	*7"	H-40	17.0			C.T.9-5/8"
Production	4-1/2"	J-55	10.5	----	5277'	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

117159  Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
256  Plat  WW-9  WW-2B  Bond  Agent  
(Type)

JUN 16 1995

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Page 1 of 9  
Form WW2-A  
(09/87)

Date: May 8, 1995  
Operator's well number  
Ashland/Holland #13  
API Well No: 47 - 017 - 04201  
State - County - Permit

Permitting  
Office of Oil & Gas  
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 Beatrice Schwartzman  
Address 2520 30th Street, N.W.  
Washington, DC 20008  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Mike Underwood  
Address Route 2 Box 135  
Salem, WV 26426  
Telephone (304) - \_\_\_\_\_

5) (a) Coal Operator:  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(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  
 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. Galik  
Its: Designated Agent  
Address 501 56th Street  
Charleston, WV 25304  
Telephone (304) 925-6100

Subscribed and sworn before me this 8<sup>TH</sup> day of MAY, 1995

Ernest J. Smith Notary Public  
My commission expires MARCH 27, 2001