

# ASHLAND / HOLLAND LEASE P/O 1163.50 ACRES± WELL NO. 3

*James  
8/9/93*

Office of Chief  
Office of Chief

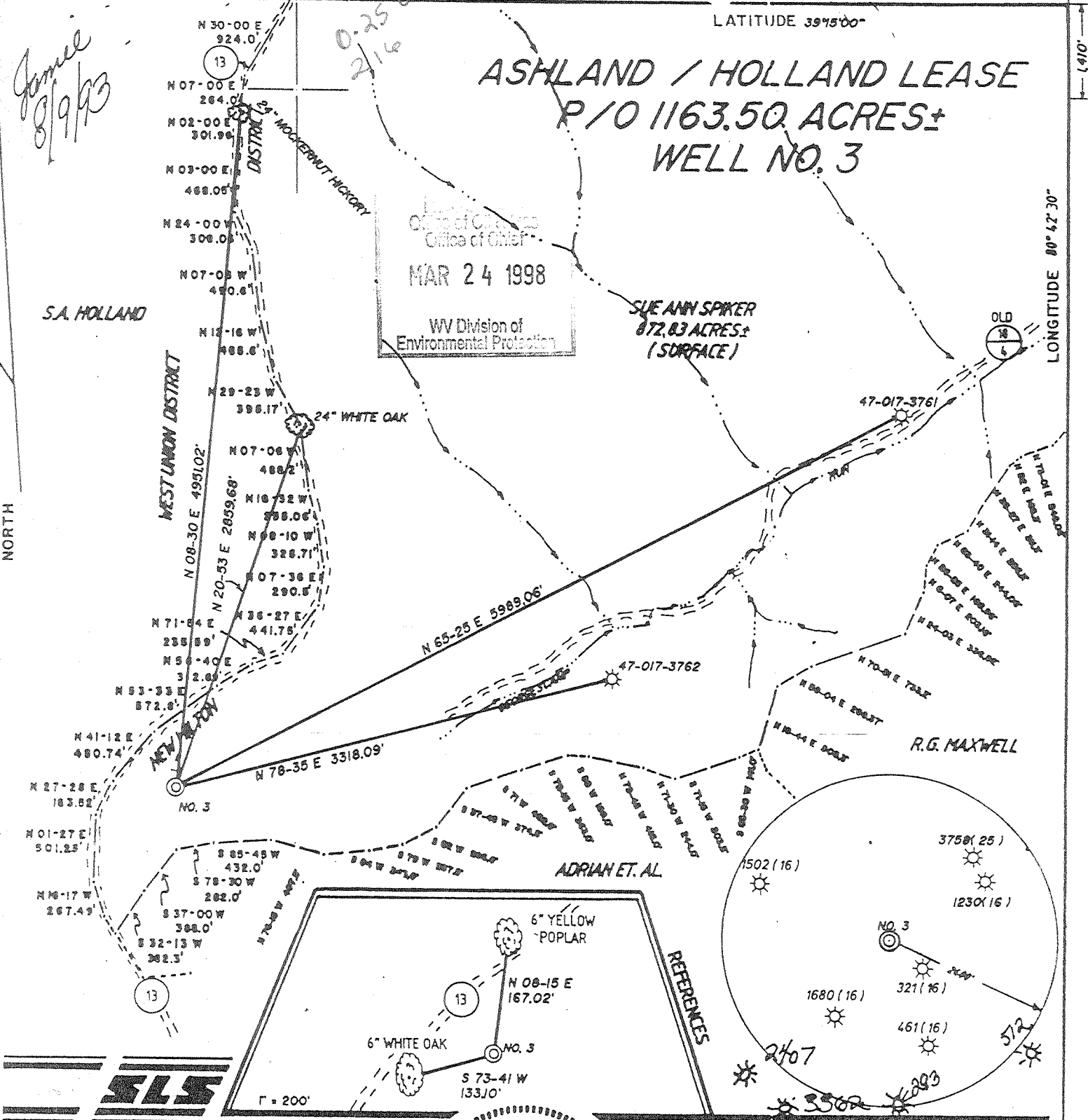
MAR 24 1998

WV Division of  
Environmental Protection

SUE ANN SPIKER  
872.83 ACRES±  
(SURFACE)

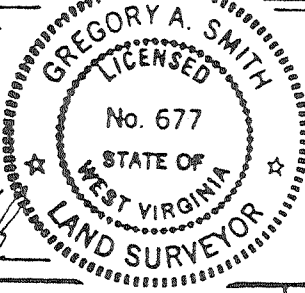
NORTH

LONGITUDE 80°27'00"



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 JULY 15, 19 93  
 OPERATORS WELL NO. ASHLAND / HOLLAND NO. 3  
 API WELL NO. 47 - 017 - 4031  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3028 (42 - 65)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1233' SCALE 1" = 1000'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

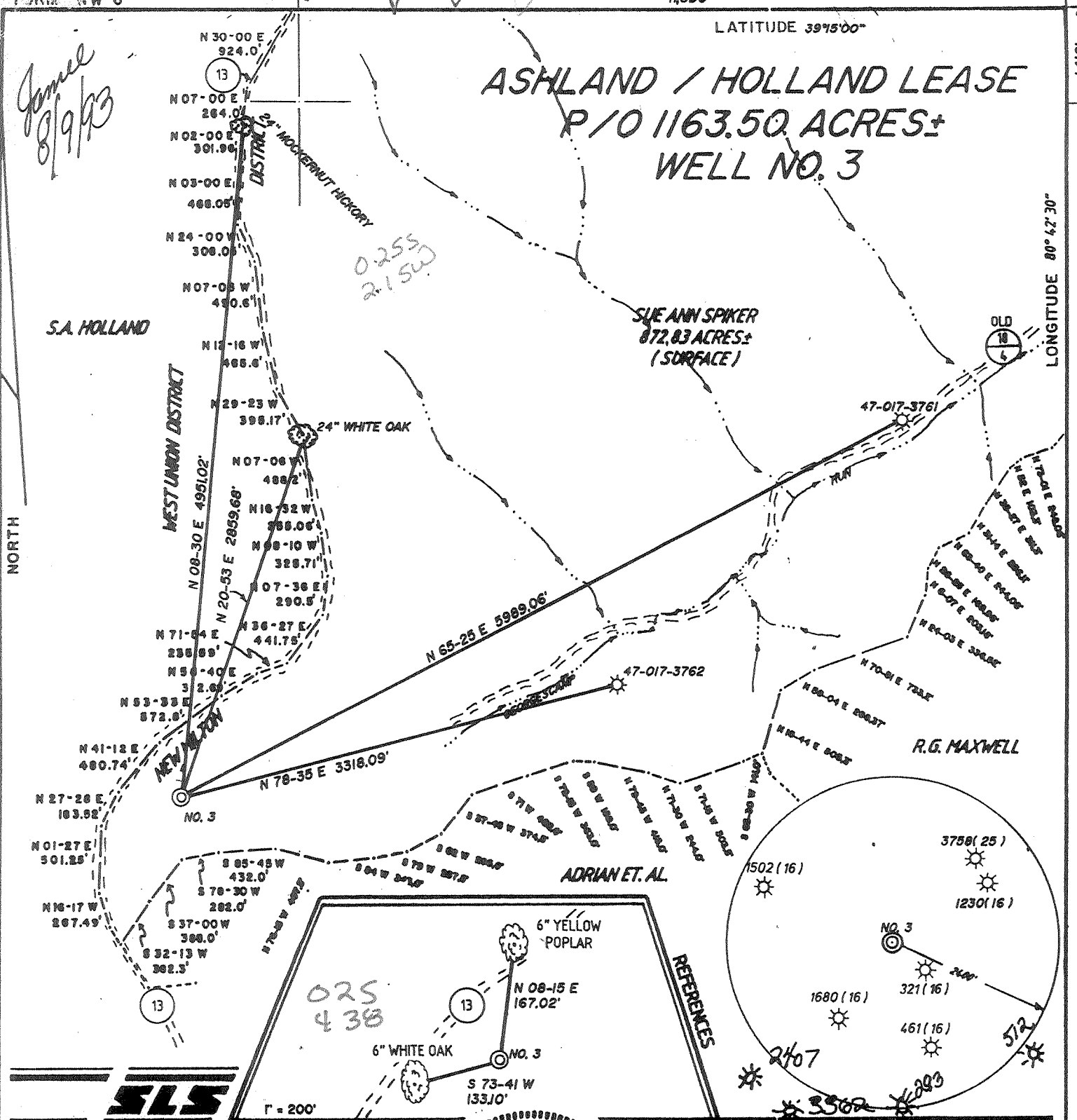


WELL TYPE: OIL    GAS X LIQUID INJECTION    WASTE DISPOSAL    IF "GAS" PRODUCTION X STORAGE    DEEP    SHALLOW X  
 LOCATION: ELEVATION 1242' WATERSHED GEORGESCAMP RUN  
 DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5  
 SURFACE OWNER SUE ANN SPIKER ACREAGE 872.83 OF 1163.50  
 ROYALTY OWNER LEMAN MAXWELL III ET AL LEASE ACREAGE 1163.50 OF 1500  
 PROPOSED WORK: DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR STIMULATE X 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 5373'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th ST. CHARLESTON, WV 26304

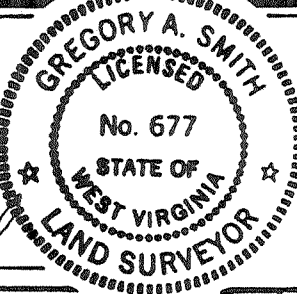
COUNTY NAME DODD  
PERMIT 4031F

# ASHLAND / HOLLAND LEASE P/O 1163.50 ACRES± WELL NO. 3



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L.L.S. Gregory A. Smith  
677



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DATE JULY 15, 19 93  
OPERATORS WELL NO. ASHLAND / HOLLAND NO. 3  
API WELL NO. 47 - 017 - 4031  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3028 (42 - 65)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1233' SCALE 1" = 1000'

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 1242' WATERSHED GEORGESCAMP RUN  
DISTRICT NEW MILTON 6 COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5  
SURFACE OWNER SUE ANN SPIKER ACREAGE 872.83 OF 1163.50  
ROYALTY OWNER LEMAN MAXWELL III ET AL. LEASE ACREAGE 1163.50 OF 1500  
PROPOSED WORK: LEASE NO. WVO2584 - +  
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 5373' 1.3.1993

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501.56th St. CHARLESTON, WV 26304

COUNTY NAME PERMIT

Reviewed AS

WR-35

16-Apr-98

API # 47-017-04031 F

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

Well Operator's Report of Well Work

Farm name: Sue Ann Spiker Operator Well No.: Ashland/Holl. 3

LOCATION: Elevation: 1242.00 Quadrangle: NEW MILTON  
District: NEW MILTON County: DODDRIDGE  
Latitude: 410 Feet South of 39 Deg. 75 Min. 0 Sec.  
Longitude: 11306 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP  
501 56<sup>TH</sup> STREET  
CHARLESTON WV 25304

Casing	Used	Left	Cement
&	in	in	Fill Up
Tubing	Well	Well	Cu. Ft.

Agent: JOHN PALETTI

8-5/8"	1265'	1265'	335 SXS
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Inspector: MIKE UNDERWOOD

Permit Issued: 04/16/98

4-1/2"	----	5322.35	715 SXS
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Well work commenced: 06/03/98

Well work completed: 06/03/98

Verbal plugging

permission granted on:

Rotary X Cable \_\_\_\_\_ Rig

Total Depth (feet) 5373' (OCT 1993)

Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) NONE

Is coal being mined in area? (Y/N) N

Coal Depths (ft) NONE

Office of Oil & Gas  
Permitting

MAR 22 1999

Wv Division of  
Environmental Protection

OPEN FLOW DATA

Producing Formation GORDON Pay zone depth (ft) 2604' - 2585'  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow N/A MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock pressure 200 psi (surface pressure) after 24 Hours

2nd Producing Formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psi (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.

JOHN PALETTI, AGENT

For: EASTERN AMERICAN ENERGY CORP.

By: John Paletti/KSA

MAR 29 1999

Date: MARCH 10, 1999

DODD 4031 F

AHOL3W35

STAGE ONE:

Gordon  
12 holes (2604' - 2585') 25# cross link gel fracture, 500 gals 15%  
HCl, 15,100 lbs 20/40 sand, (screened out).

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

Well Operator's Report of Well Work

Farm name: SPIKER, SUE ANN Operator Well No.: ASHLND/HOLND #3

LOCATION: Elevation: 1,242.00 Quadrangle: NEW MILTON

District: NEW MILTON County: DODDRIDGE  
Latitude: 1410 Feet South of 39 Deg. 15Min. Sec.  
Longitude 11300 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: 08/13/93  
Well work Commenced: 10/15/93  
Well work Completed: 10/30/93  
Verbal Plugging  
Permission granted on:  
Rotary XX Cable Rig  
Total Depth (feet) 5357  
Fresh water depths (ft) 45

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"	1265'	1265'	CTS 335 sxs
4 - 1/2"	----	5322.35'	715 sxs

OPEN FLOW DATA

Alexander, Benson, 2nd Riley 5220'-  
Producing formation Riley Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow 462 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 421 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1125 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: Ronald L. Rech, Regional Drilling Manager  
Date: 12-20-93

JAN 1 - 1994

3 STAGE FRAC

Stage One Alexander: 20 holes (5158'-5220') 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 105,000 scf of N2.

Stage Two Benson/2nd Riley: 13 holes (4650'-4877.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 37,000 lbs of 20/40 sand, 500 gals of 15% HCL acid and 95,000 scf of N2.

Stage Three Riley: 12 holes (4418.5'-4440'), 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 87,000 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
Clay			0	3	
Shale and Sand			3	75	1/2" stream water @ 45'
Shale and Red Rock			75	100	
Sand and Shale			100	140	
Shale and Red Rock			140	170	
Sand and Shale			170	245	2420' - No Show
Shale and Red Rock			245	266	2767' - 36/10 thru 2" w/water (253 MCF)
Sand and Shale			266	401	2925' - 34/10 thru 2" w/water (246 MCF)
Red Rock			401	436	3174' - 36/10 thru 2" w/water (253 MCF)
Sand and Shale			436	528	3491' - 36/10 thru 2" w/water (253 MCF)
Sand, Shale and Red Rock			528	1050	3712' - 26/10 thru 2" w/water (215 MCF)
Sand and Shale			1050	1820	3905' - 30/10 thru 2" w/water (231 MCF)
Little Lime			1820	1834	4186' - 30/10 thru 2" w/water (231 MCF)
Sand and Shale			1834	1875	4409' - 30/10 thru 2" w/water (231 MCF)
Big Lime			1875	1935	4598' - 32/10 thru 2" w/water (239 MCF)
Big Injun			1935	2008	4850' - 32/10 thru 2" w/water (239 MCF)
Shale			2008	2160	5103' - 32/10 thru 2" w/water (239 MCF)
Weir			2160	2256	5294' - 32/10 thru 2" w/water (239 MCF)
Shale			2256	2362	TD - 32/10 thru 2" w/water (239 MCF)
Berea			2362	2376	DC - 20/10 thru 2" w/water (189 MCF)
Shale			2376	2552	
Gordon			2552	2604	
Sand and Shale			2604	3220	
Warren			3220	3264	
Shale			3264	3284	
Speechley			3284	3362	
Sand and Shale			3362	4412	
Riley			4412	4450	
Sand and Shale			4450	4632	
2nd Riley			4632	4660	
Sand and Shale			4660	4874	
Benson			4874	4878	
Sand and Shale			4878	5116	
Alexander			5116	5222	
Shale			5222	5357	
TD				5357	

(Attach separate sheets as necessary)

17704

RECEIVED  
Department of Environmental Protection

017-4031  
Issued 8/13/93

FORM WW-2B <sup>11</sup> 2 8 93

Page 3 of 8

Expires 8/13/95

Permitting  
of Oil & Gas

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

17704

- 1) Well Operator: Eastern American Energy Corporation 14920 (6) 511
- 2) Operator's Well Number: ASHLAND/HOLLAND #3 3) Elevation: 1242'
- 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: 5373 feet
- 7) Approximate fresh water strata depths: 36', 214', 386', 484', 625'
- 8) Approximate salt water depths: None 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	Fill-up (cu. ft.)
Conductor	11-3/4"	F-25	32.0	20'		
Fresh Water	8-5/8"	F-25	20.0	1350'	1350'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5		5288'	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 \_\_\_\_\_

45-976  
14

For Division of Oil and Gas Use Only

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

**RECEIVED**  
WV Division of  
Environmental Protection

JUL 28 93

Permitting  
Office of Oil & Gas

1) Date: July 26, 1993  
2) Operator's well number  
ASHLAND/HOLLAND #3  
3) API Well No: 47 - 017 - 4031  
State - County - Permit

**STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE 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>Sue Ann Spiker</u><br/>Address <u>Rt. 1 Box 161 S</u><br/><u>Jane Lew, WV 26378</u></p> <p>(b) Name _____<br/>Address _____</p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u><br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rt. 2 Box 135</u><br/><u>Salem, WV 26426</u><br/>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. Gallett  
Its: Designated Agent  
Address P.O. Box 820  
Glenville, WV 26351  
Telephone 304/462-5781

Subscribed and sworn before me this 26th day of July, 19 93

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

CRITICAL COPY - NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
MAURY M. BEAN  
207 N. RIVER AVE.  
WESTON, WV 26452  
My Commission Expires Feb. 26, 2002