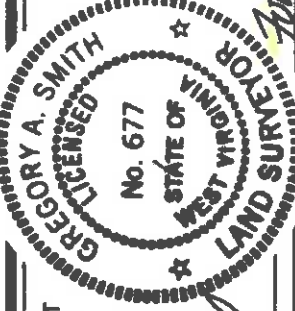


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. *Gregory A. Smith*  
 677 STATE SURVEYOR



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE OCTOBER 8, 19 93  
 OPERATORS WELL NO. ASHLAND/HOLLAND NO. 7

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 3028 (44-16)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1233' SCALE 1" = 1000'

WELL TYPE: OIL  GAS  LIQUID WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1208' WATERSHED GEORGESCAMP RUN  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 SURFACE OWNER SIR ANN SPKER  
 ROYALTY OWNER LENN MAXWELL III ET AL.  
 QUADRANGLE SMITHBURG 7.5  
 ACREAGE 872.83 OF 1163.50 (Cont. - 54)  
 LEASE ACREAGE 1163.50  
 LEASE NO. \_\_\_\_\_  
 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 5372'

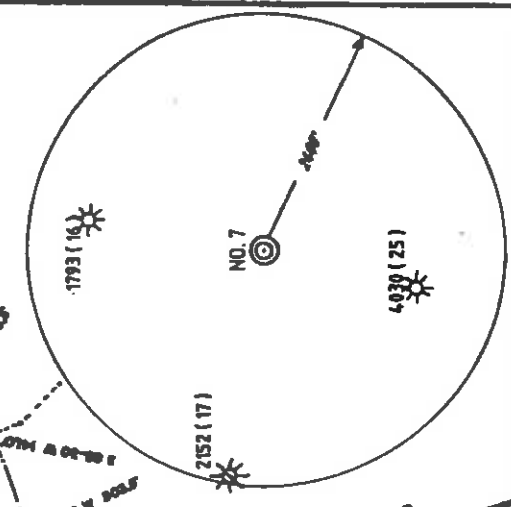
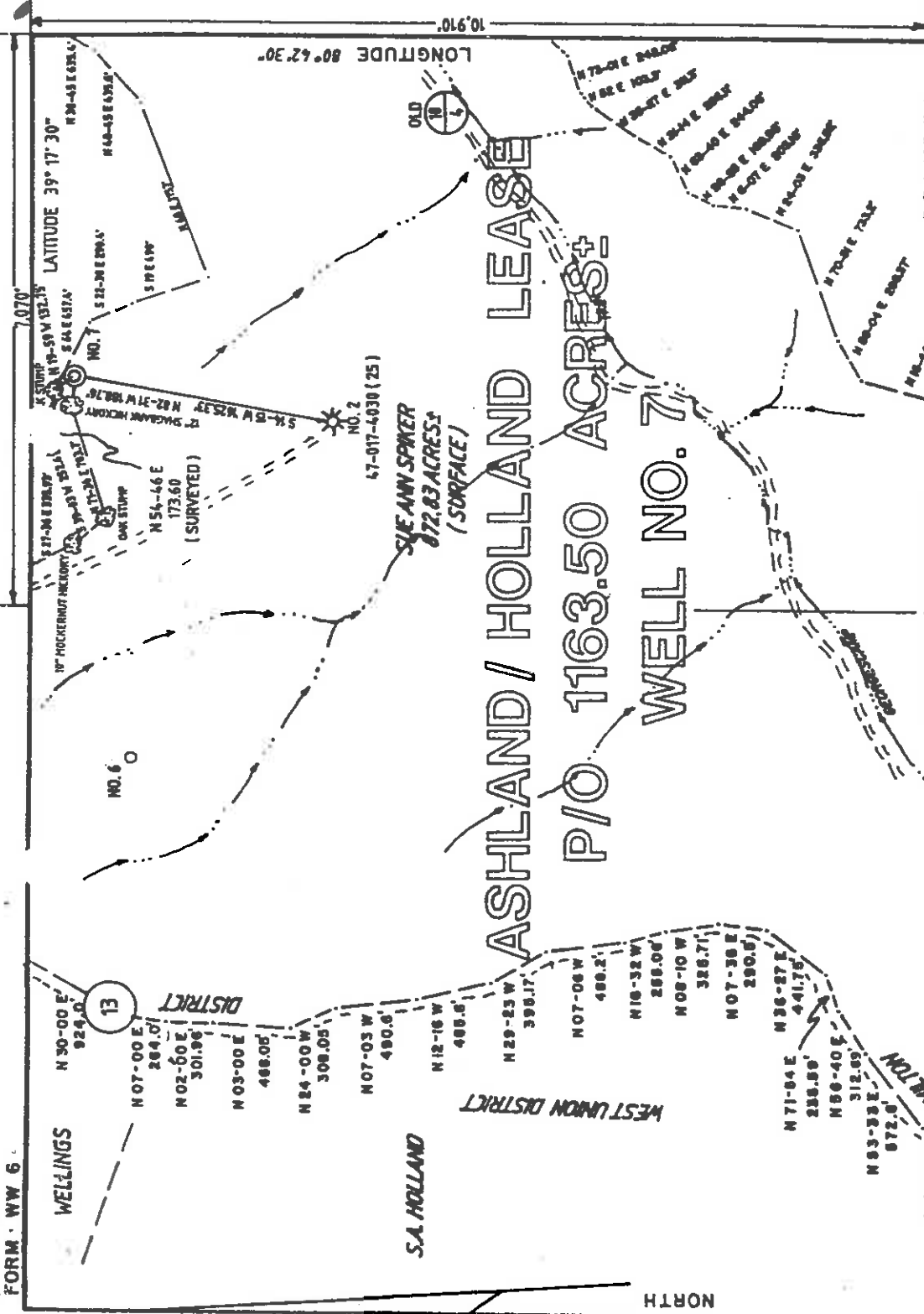
WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501.56th St. CHARLESTON, WV 26304

Dodd 4060



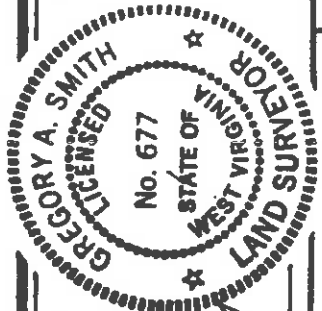
STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

Permit No. 47-017-01736  
 Permit No. 47-017-01736



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. *Gregory A. Smith*  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE OCTOBER 8, 19 93  
OPERATORS WELL NO. ASHLAND / HOLLAND NO. 7  
API WELL NO. 017 4236  
STATE 47 COUNTY 017 PERMIT 4060

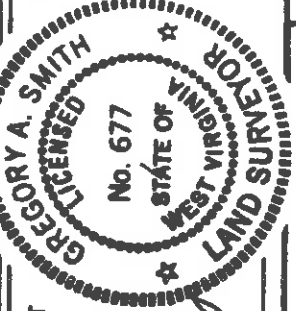
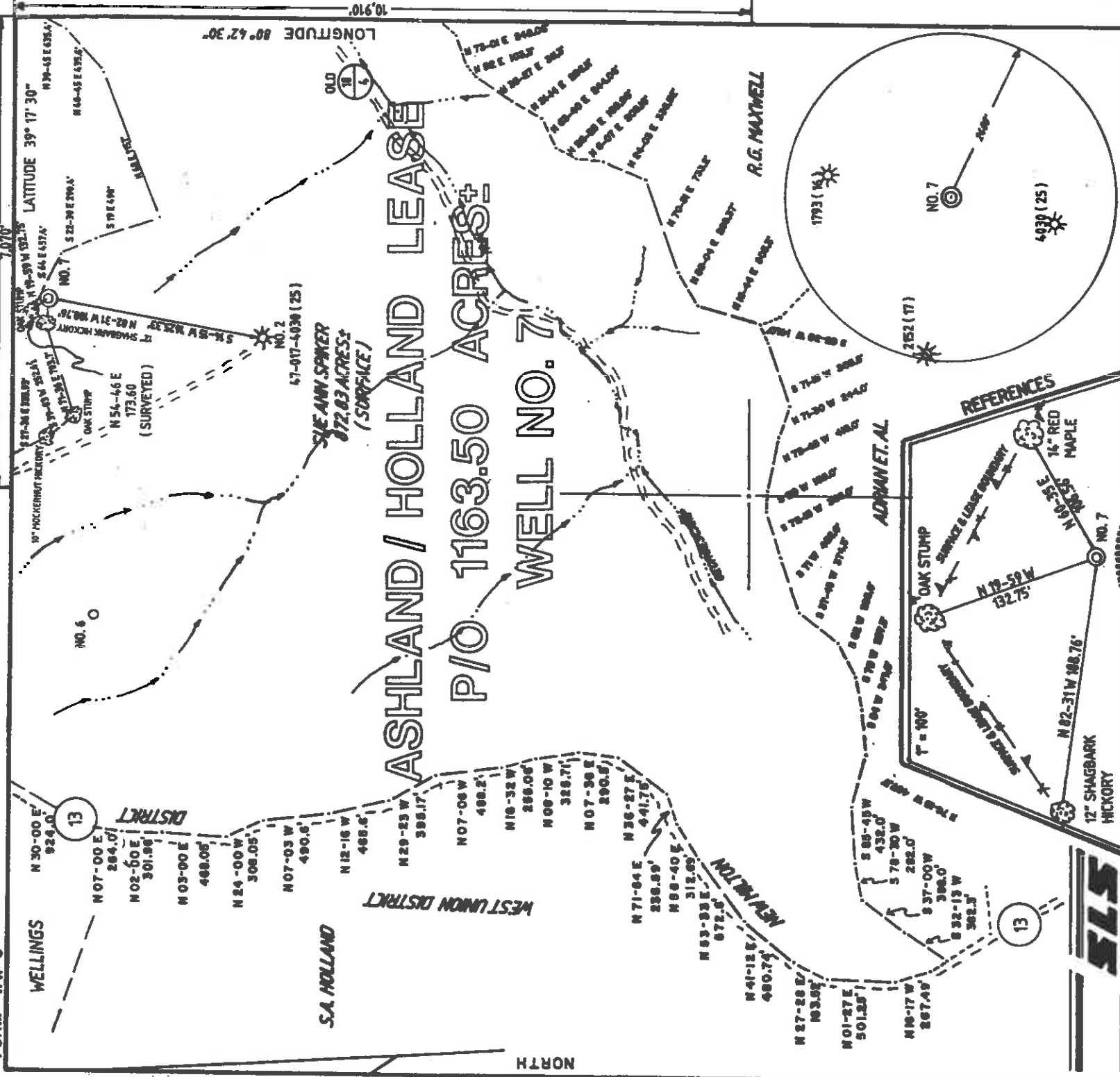
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3028 (44-16)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1233' SCALE 1" = 1000'

WELL TYPE: OIL  GAS  INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1208' WATERSHED GEORGE SCAMP RUN  
DISTRICT NEW MILTON COUNTY DOODRIDGE  
SURFACE OWNER SUE ANN SPUR  
ROYALTY OWNER LEAH MAXWELL III ET AL.  
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) ALEXANDER  
COUNTY NAME SMITHBURG 7.5 QUADRANGLE SMITHBURG 7.5 LEASE NO. 872.83 OF 1163.50  
ACREAGE 1163.50 LEASE ACREAGE 1163.50  
ESTIMATED DEPTH 5372' TARGET FORMATION ALEXANDER

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





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. *Gregory A. Smith*  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE OCTOBER 8, 19 93  
OPERATORS WELL NO. ASHLAND/HOLLAND NO. 7  
API WELL NO. 47-017-4060 STATE WV COUNTY SMITH PERMIT 4236

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 3028 (44-16)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1233' SCALE 1"=1000'

WELL TYPE: OIL  GAS  INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1208' WATERSHED GEORGETOWN RUN  
DISTRICT NEW MILTON COUNTY DODDRIDGE  
SURFACE OWNER SUE ANN SPYKER  
ROYALTY OWNER LEMAN MAXWELL III ET AL.  
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 5372'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
ADDRESS BOX N GLENVILLE, WV 26351  
COUNTY NAME SMITHBURG 7.5 QUADRANGLE SMITHBURG 7.5  
ACREAGE 872.83 OF 1163.50  
LEASE ACREAGE 1163.50 LEASE NO.             
ADDRESS 901 56th ST. CHARLESTON, WV 26304



FEB 22 1996

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

27-Dec-95  
API # 47- 17-04236

Permitting

Well Operator's Report of Well Work

Office of Oil & Gas

Farm name: SPIKER, SUE ANN

Operator Well No.: ASHLND/HOLND#7

LOCATION: Elevation: 1,208.00 Quadrangle: SMITHBURG

District: NEW MILTON County: DODDRIDGE  
Latitude: 10910 Feet South of 39 Deg. 17Min. 30 Sec.  
Longitude 7070 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: 12/26/95  
Well work Commenced: 12-29-95  
Well work Completed: 01-04-96  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5390'  
Fresh water depths (ft) 25', 310', 1093'

Salt water depths (ft) None

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

Casing & Tubing Size	Used in	Left	Cement Fill Up
8-5/8"	1152'	1152'	CTS 280 SXS
4-1/2"		5370'	700 SXS

OPEN FLOW DATA

(Commingle)

Producing formation Alexander, 3rd Riley, Riley

5258.5'  
4460'

Gas: Initial open flow 267 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 219 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 1170 psig (surface pressure) after 24 Hours

Second producing formation Gordon

Pay zone depth (ft) 2624'-2600'

Gas: Initial open flow 103 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 103 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 10 Hours  
Static rock Pressure 130 psig (surface pressure) after 24 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: *[Signature]* Senior Drilling Supervisor

Date: 2-20-96

FEB 23 1996

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

1 Stage Frac

Stage One: Alexander; 20 holes (5203.5'-5258.5'), Fractured 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 84,000 scf of N2.  
 Stage Two: 3rd Riley; 14 holes (4829'-4843.5'), Fractured 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 88,000 scf of N2.  
 Stage Three: Riley; 14 holes (4460'-4474.5'), Fractured w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 5,000 lbs of 80/100 sand, 40,000 lbs of 20/40 sand, 500 gals 15% HCl acid and 96,000 scf of N2.  
 Stage Four: Gordon; 26 holes (2600'-2625'), Acidized w/500 gals of 15% HCl acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill			0	2	
Sand			2	60	1/4" water @ 25'
Redrock			60	70	3/4" water @ 310'
Shale & Redrock			70	105	1" total @ 1093'
Sand			105	120	
Sand & Shale			120	250	Gas Checks:
Sand			250	340	1627' No Show
Redrock & Shale			340	535	1878' 18/10 1" w/water
Sand & Shale			535	844	2002' 20/10 1" w/water
Shale & Redrock			844	975	2094' 20/10 1" w/water
Sand			975	1010	2315' 20/10 1" w/water
Sand & Shale			1010	1065	2534' 16/10 1" w/water
Shale & Redrock			1065	1365	2658' 20/10 2" w/water
Sand			1365	1440	2904' 16/10 2" w/water
Sand & Shale			1440	1805	3121' 10/10 2" w/water
Shale & Sand			1805	1865	3495' 10/10 2" w/water
Little Lime			1865	1885	3901' 8/10 2" w/water
Big Lime			1885	1930	4366' 8/10 2" w/water
Injun			1930	1994	4584' 8/10 2" w/water
Sand & Shale			1994	2170	4801' 8/10 2" w/water
Weir			2170	2260	4958' 8/10 2" w/water
Sand & Shale			2260	2360	5266' 8/10 2" w/water
Sand & Shale			2360	2367	TD 6/10 2" w/water
Berea			2367	2590	DC 6/10 2" w/water
Sand & Shale			2590	2620	
Gordon			2620	3240	
Sand & Shale			3240	3281	
Warren			3281	3304	
Sand & Shale			3304	3380	
Speechley			3380	4440	
Sand & Shale			4440	4470	
Riley			4470	4810	
Sand & Shale			4810	4830	
Rileys			4830	4900	
Sand & Shale			4900	4910	
Benson			4910	5190	
Sand & Shale			5190	5230	
Alexander			5230	5390	TD
Sand & Shale			5390	TD	

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 SUBSECTION B WELL WORK PERMIT APPLICATION

1. Well Operator: Eastern American Energy Corporation <sup>259</sup> 14980 (6) 611
2. Operator's Well Number: ASHLAND/HOLLAND #7 3. Elevation: 1208'
4. Well type: (a) Oil    / or Gas XX / *Issued 12/26/95*  
 (b) If Gas: Production XX / Underground Storage    / *Expires 12/26/97*  
 Deep    / Shallow XX /

21469

5. Proposed Target Formation(s): Alexander 439
6. Proposed Total Depth: 5372 feet
7. Approximate fresh water strata depths: 57, 449, 1032
8. Approximate salt water depths: None
9. Approximate coal seam depths: 224-228, 582-587
10. Does land contain coal seams tributary to active mine? Yes    / No XX /
11. Proposed Well Work: Drill and complete new well.
12. Deepest Red Rock:
13. Wells used to correlate data:

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"	F25	20.0	1125'	1125'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5	----	5287'	38CSR18-11.1
Tubing						
Liners						

\* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 8-5/8" 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     Bond    (Type)    Agent



DEC 18 1995

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

1) Date: December 14, 1995  
2) Operator's Well number ASHLAND/HOLLAND #7  
3) API Well No: 47 - 017 - 4236  
State - County - Permit

4) Surface Owner(s) to be served:

(a) Name Sue Ann Spiker 5) (a) Coal Operator:  
Address Rt. 1, Box 161 S Name N/A  
Jane Lew, WV 26378 Address \_\_\_\_\_

(b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name N/A  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_ Name N/A  
Address \_\_\_\_\_ Address \_\_\_\_\_

6) Inspector Mike Underwood (c) Coal Lessee with Declaration  
Address Rt. 2, Box 135 Name N/A  
Salem, WV 26426 Address \_\_\_\_\_  
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)  
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: [Signature]  
Its: Designated Agent  
Address 501 56th Street  
Charleston, WV 25304

Telephone 304-372-5734

Subscribed and sworn before me this 14<sup>th</sup> day of December, 1995

[Signature] Notary Public  
My commission expires March 27, 2001

**RECEIVED**  
 Environmental Division  
 FORM MW-2B  
 11/10/93

001 5 93

submitting  
 to O&G

017-4060  
 Issued 11/01/93  
 Page 3 of 9  
 Expires 11/01/95

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

259  
 Eastern American Energy Corporation 14980 (6) 611

- 1) Well Operator: Eastern American Energy Corporation 14980 (6) 611
- 2) Operator's Well Number: ASHLAND/HOLLAND #7 3) Elevation: 1208.1
- ) Well type: (a) Oil \_\_\_ / or Gas XX/
- (b) If Gas: Production XX/ Underground Storage \_\_\_  
 Deep \_\_\_ / Shallow XX
- ) Proposed Target Formation(s): Alexander 439
- ) Proposed Total Depth: 5372 feet
- ) Approximate fresh water strata depths: 57, 449, 1032
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 224-228, 582-587
- 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"	F25	20.0	1208'	1208'	C.T.S. 38CSR18-11.3 38CSR18-11.2, 2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	----	5287'	38CSR18-11.1
Tubing						
Liners						

\* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 578 casing.

PACKERS : Kind  
 Sizes  
 Depths set

46452  
 For Division of Oil and Gas Use Only  
 Fee(s) paid:  Well Work Permit  Reclamation Fund WPCP  
 Plat  WW-9  WW-2B  Bond  Agent  
 (Type)

18078

1) Date: October 13, 1993  
2) Operator's well number ASHLAND/HOLLAND #7  
3) API Well No: 47 - 017 - 4060  
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 Sue Ann Spiker  
Address Rt. 1, Box 161 S  
Jane Lew, WV 26378

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Mike Underwood  
Address Rt. 2, Box 135  
Salem, WV 26426  
Telephone (304) - 782-1043

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 \_\_\_\_\_

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. Sullivan  
 Its: \_\_\_\_\_  
 Address P. O. Box 820  
Glenville, WV 26351  
 Telephone (304) 462-5781  
 Subscribed and sworn before me this 13th day of October, 1993

My commission expires February 26 2002 Notary Public

