

LATITUDE 39° 15' 00"

LONGITUDE 80° 45' 00"

Gregory A. Smith
 3/21/96
ASHLAND / MAXWELL LEASE
832.75 ACRES ±
WELL NO. 14

0.7899
0.3855

LONGITUDE 80° 45' 00"

DAVIES

DAVIES

DAVIES

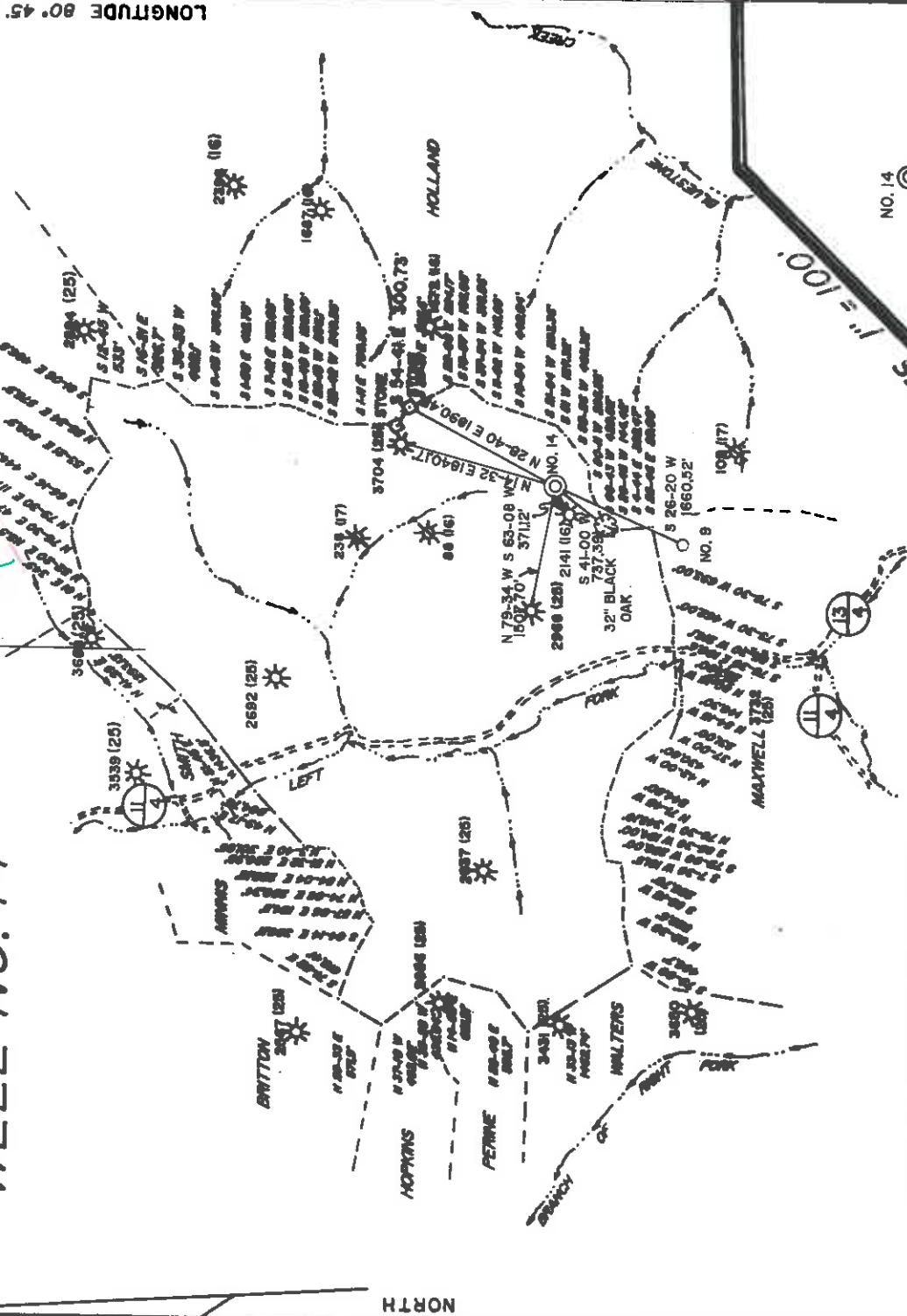
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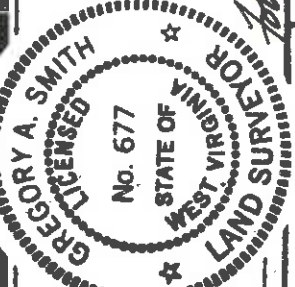
DAVIES

DAVIES

DAVIES



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. *Gregory A. Smith*
 677

MINIMUM DEGREE OF ACCURACY 1/4 200 FILE NO. 2777 (39-69)
 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 INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1109' WATERSHED LEFT FORK OF ARNOLD CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER MARY FARR SECURIST s/o MARY AGNES WALLACE QUADRANGLE OXFORD 7.5'

ROYALTY OWNER LEWIS MAXWELL ET. AL. ACREAGE 832.75 *Hold* AKS

PROPOSED WORK: LEASE NO. WYO2358 -- +

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 5320'

COUNTY NAME _____ PERMIT _____

DESIGNATED AGENT John M. Patefil

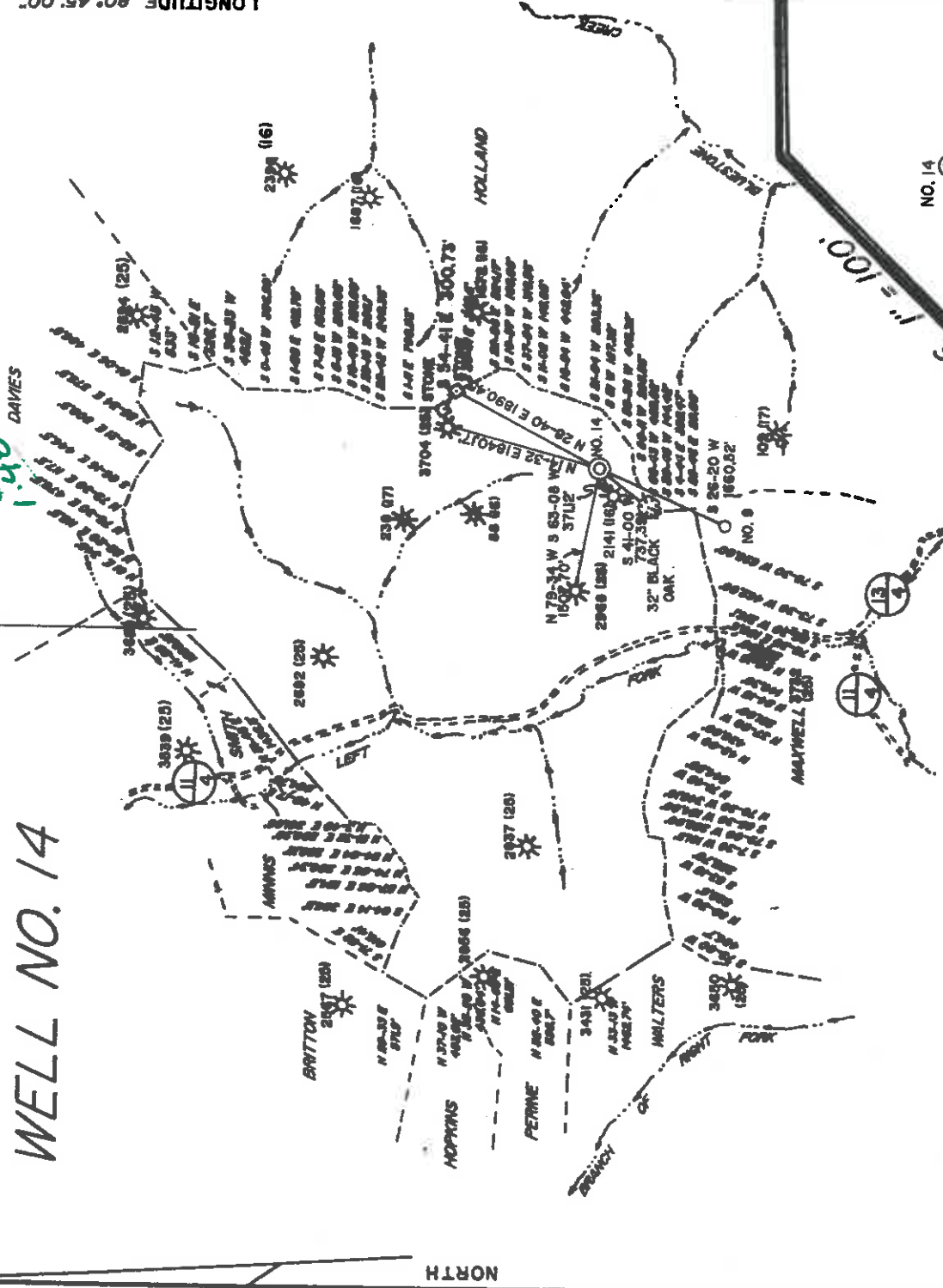
WELL OPERATOR Eastern American Energy Corporation

ADDRESS Box N Glenville, WV 26351

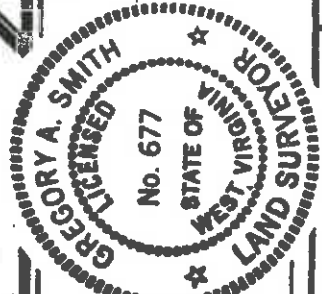
ADDRESS 501 56th St. Charleston, WV 25304

0000 *4005 CANC*

ASHLAND / MAXWELL LEASE 832.75 ACRES ± WELL NO. 14



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. *Gregory A. Smith*
677

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2777 (39-69)
PROVEN SOURCE OF ELEVATION TOP OF KNOP ELEVATION 1314' SCALE 1" = 2000'

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1109' WATERSHED LEFT FORK OF ARNOLD CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE
SURFACE OWNER MARY FABR SECRET & MARY AGNES WALLACE
ROYALTY OWNER LEWIS MAXWELL 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) _____
LEASE NO. WV02358 -- +
ACREAGE 832.75 LEASE ACREAGE 832.75
QUADRANGLE OXFORD ACREAGE 832.75
TARGET FORMATION ALEXANDER
ESTIMATED DEPTH 5320'

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

Handwritten
1/2

1/2

NOV 30 1995

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

API # 47- 17-04191
28-Mar-95

Permitting

Office of Oil & Gas

Farm name: SECRETST, MARY FARR Well Operator's Report of Well Work

Operator Well No.: ASHLND/MAXWL#14

Elevation: 1,109.00

Quadrangle: OXFORD

District: WEST UNION
Latitude: 1940 Feet
Longitude: 7800 Feet
County: DODDRIDGE
South of 39 Deg. 15Min. 0 Sec.
West of 80 Deg. 45 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 03/27/95
Well work Commenced: 07-19-95
Well work Completed: 07-23-95
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 5331'
Fresh water depths (ft) 55', 540'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

OPEN FLOW DATA

(Commingled)

Producing formation: Alexander, Riley, Balltown Pay zone depth (ft) 5134'-3943
Gas: Initial open flow 335 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 298 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests _____
Static rock Pressure 1275 psig (surface pressure) after 15 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 _____
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: [Signature] Senior Drilling Supervisor
Date: 11-27-95

DEC 6 1995

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1147'	1147'	CTS 280 SXS
4-1/2"	-----	5226'	725 SXS

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

Three Stage Frac

Alexander: 22 holes (5086'-5134'), Fractured w/energized water, 30 lbs gel/1000 gals, 50,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 90,000 scf of N2.

Riley: 16 holes (4362.5'-4382.5'), Fractured w/energized water, 30 lbs gel/1000 gals, 5,000 lbs 80/100 sand, 40,000 lbs of 20/40 sand, 500 gals 15% HCl acid and 100,000 scf of N2.

Balltown: 12 holes (3943'-3955'), Fractured w/energized water, 30 lbs gel/1000 gals, 25,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 71,5000 scf of N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
and & Shale			0	25	Including Indication of all fresh and salt water, coal, oil and gas
hale			25	35	1/4" water @ 55'
and			35	45	1/2" water @ 540'
hale & Redrock			45	55	Gas Checks:
and			55	60	1530' No Show
hale & Redrock			60	92	1842' No Show
and & Shale			92	250	1934' No Show
and			250	292	2154' No Show
hale & Redrock			292	400	2310' No Show
and			400	415	2463' 6/10 2" w/water
hale & Redrock			415	564	2710' 6/10 2" w/water
and & Shale			415	590	2834' 2/10 2" w/water
edrock			564	590	3084' 2/10 2" w/water
and & Shale			590	780	3430' 2/10 2" w/water
edrock & Shale			780	870	3808' 2/10 2" w/water
and & Shale			870	958	4112' 2/10 2" w/water
and			958	975	4302' 2/10 2" w/water
and & Shale			975	1741	4518' 6/10 2" w/water
and & Shale			1741	1762	4706' 6/10 2" w/water
ittle Lime			1762	1781	4864' 6/10 2" w/water
ancil Cave & Shale			1781	1856	5020' 6/10 2" w/water
ing Lime			1856	1920	5113' 6/10 2" w/water
and & Shale			1920	2078	5238' 6/10 2" w/water
and			2078	2175	TD 6/10 2" w/water
and & Shale			2175	2277	DC 2/10 2" w/water
and & Shale			2277	2307	
and & Shale			2307	2494	
rdon			2494	2528	
and & Shale			2528	3185	
and			3185	3200	
and & Shale			3200	3226	
eechley			3226	3310	
and & Shale			3310	3950	
alltown			3950	3990	
and & Shale			3990	4380	
ley			4380	4410	
and & Shale			4410	4724	
and Riley			4724	4750	
and & Shale			4750	4817	

WELL LOG

017 4191

FORMATION · COLOR · HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Benson Sand & Shale	4817	4822	
Alexander	4822	5095	
Sand & Shale	5095	5145	
	5145	5331 TD	

RECEIVED
VI Division of
Environmental Protection

FORM WW-2B
NOV 1 8 92

Permitting

Office of Oil & Gas

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

017-4005 → Now 0174191
Drawn 12/21/92
Expuro 12/21/94
Page 3 of 10

1) Well Operator: Eastern American Energy Corporation 259 14980 (8) 525

2) Operator's Well Number: ASHLAND/MAXWELL #14 3) Elevation: 1109'

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: 5320' feet

7) Approximate fresh water strata depths: 209', 257', 292', 367', 552'

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 new well.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/8"	F-25	32.0	40'	----	Fill-up (cu. ft.)
Fresh Water	8-5/8"	F-25	20.0	1160'	1160'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2, 2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5235'	5235'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9-578 casing.

PACKERS : Kind

Sizes
Depths set

343238
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)

RECORDED
INDEXED
NOV 19 92
Office of Oil & Gas Permitting

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Date: November 17, 1992
2) Operator's Well Number ASHLAND/MAXWELL #14
3) API Well No: 47 - 017 - 4005
State - County - 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 _____

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 10 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.

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARILYN AL. EVAN
257 N. RIVER AVE.
WESTON, WV 26452
My Commission Expires Feb. 25, 2002

Well Operator Eastern American Energy Corporation
BY: [Signature]
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 17th day of November, 1992

My commission expires February 26, 2002.
Marilyn A. Evan Notary Public

MAR 03 1995

FORM WW-2B

017-4191 Dated 03/27/95
 Expired 03/27/97
 Form 15 Oil Wells Page 3 of 9

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

1) Well Operator: Eastern American Energy Corporation 14952 (S) 520

2) Operator's Well Number: Ashland/Maxwell #14 3) Elevation: 1109'

Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage
 Deep / Shallow

Proposed Target Formation(s): Alexander 439

Proposed Total Depth: 5320' feet

Approximate fresh water strata depths: 209', 257', 292', 367', 552'

8) Approximate salt water depths: None

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? Yes / No

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 3/8"	F-25	32.0	40'		
Fresh Water	8 5/8"	F-25	20.0	1160' 1109'	1160' 1109' 5	C.T.S. 38CSR18-11.3 38CSR18-11.2
Coal	*					
Intermediate						
Production	4-1/2"	J-55	10.5	5235'	5235'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 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
 (Type) _____

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WV Division of
Environmental Protection

MAIL 03 1995

Permitting
Office of Oil & Gas

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

1) Date: February 23, 1995
2) Operator's well number
Ashland/Maxwell #14
3) API well No: 47 - 017 - 4191
State - County - Permit

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 Mary Farr Secrist
Address Rt. 1 Box 56A
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 _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name N/A
Address _____

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

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

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Personal Service (Affidavit attached)

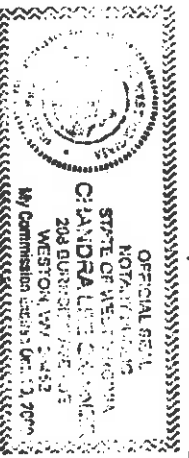
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Publication (Notice of Publication attached)

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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. Calvert
Its: Designated Agent
Address P.O. Box 820
Glennville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 23 day of February, 1995

Candice Lee Conner Notary Public

My commission expires October 10, 2000