

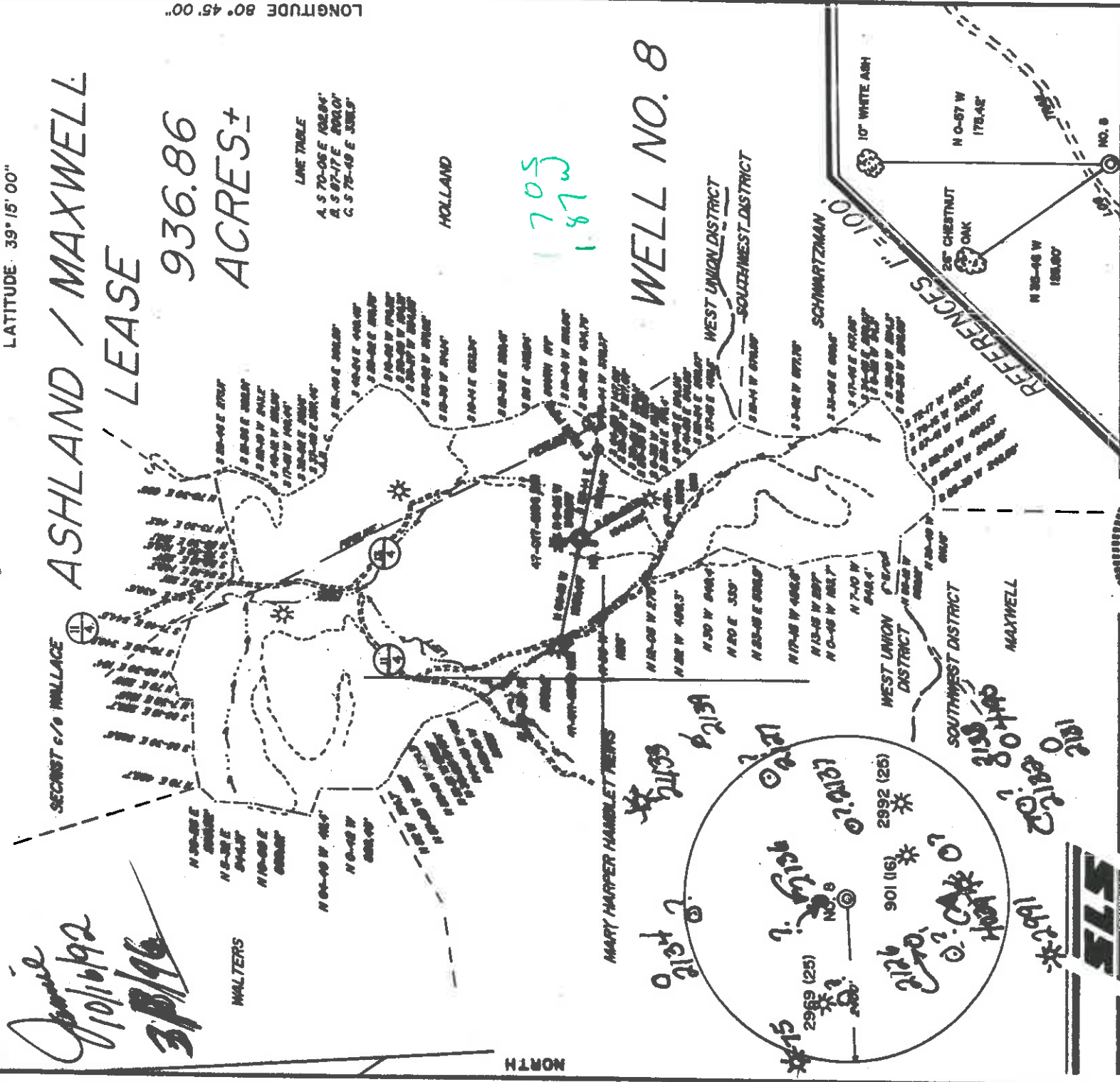
James
10/10/92
3/1/96

ASHLAND / MAXWELL
LEASE
936.86
ACRES ±

LINE TABLE
A. S 70-05E 102.84'
B. S 87-17E 800.00'
C. S 70-49 E 308.9'

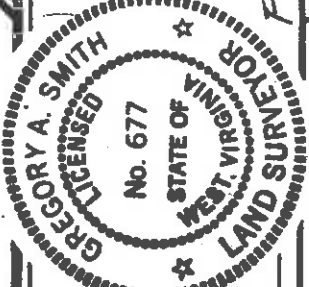
HOLLAND
1705
1870

WELL NO. 8



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 SEPTEMBER 14, 19 92
OPERATORS WELL NO. ASHLAND / MAXWELL
WELL NO. 8
API NO. WV000003508
PERMIT NO. 47-017-04249

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



MINIMUM DEGREE OF ACCURACY 1/200
FILE NO. 2777 [39-63-]
SCALE 1" = 2000'
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1323'

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

LOCATION: ELEVATION 1136' WATERSHED LEFT FORK OF ARNOLDS CREEK
DISTRICT WEST UNION COUNTY DODDORGE
SURFACE OWNER CHARLES P. HEASTER ET AL.
ROYALTY OWNER LEWIS MAXWELL HEIRS ET AL.
LEASE NO. WV02358 -- +
LEASE ACREAGE 936.86
ACREAGE 936.86
QUADRANGLE OXFORD 75

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 5227'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
ADDRESS BOX N GLENVILLE, WY 26351
COUNTY NAME PERMIT

ASHLAND / MAXWELL LEASE

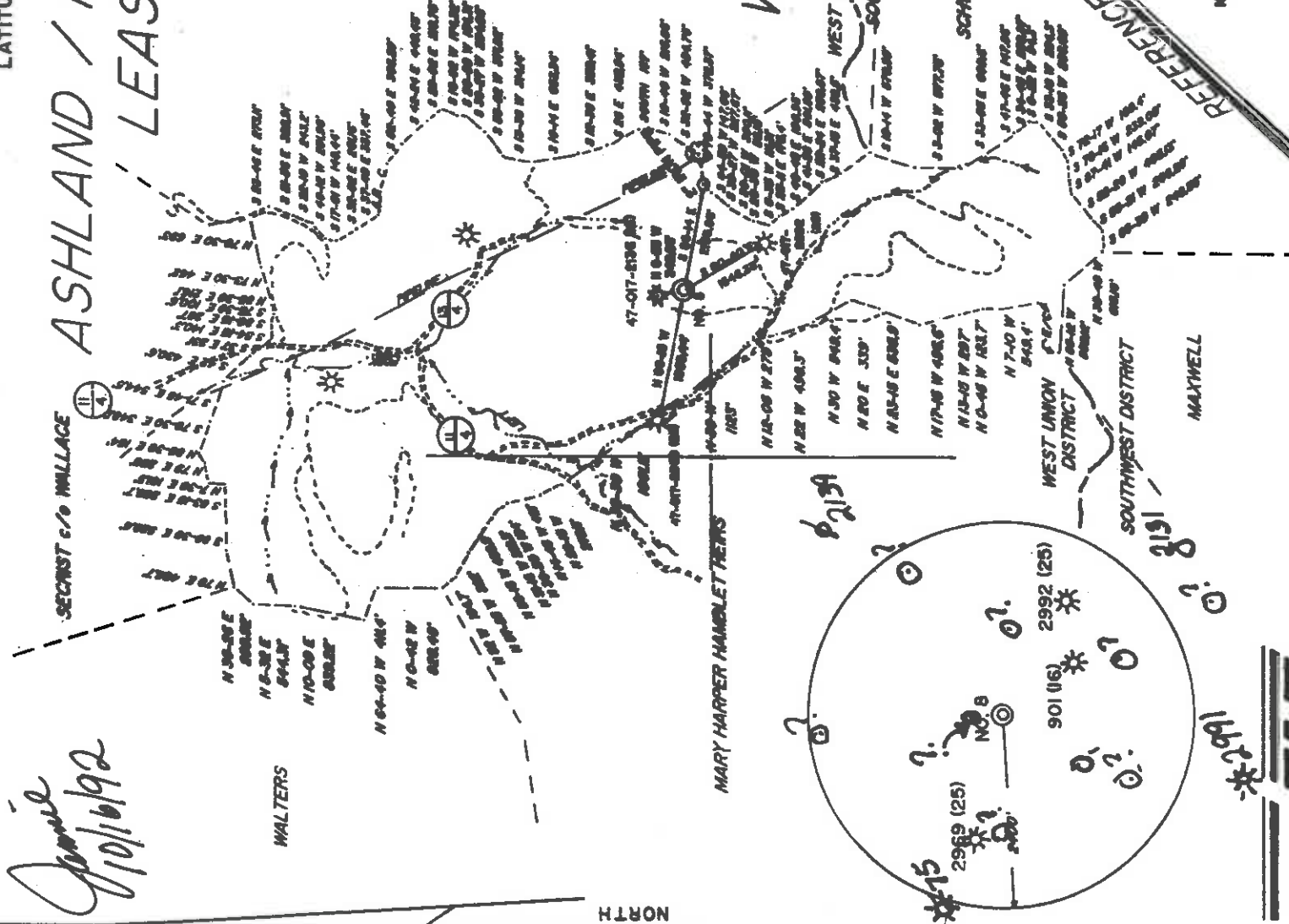
Page 4 of 8

936.86 ACRES ±

LINE TABLE
 A. S 70-06 E 102.04'
 B. S 67-17 E 202.07'
 C. S 76-49 E 206.19'

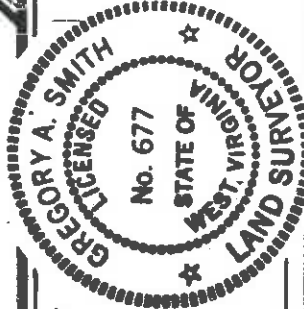
HOLLAND

WELL NO. 8



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 LAND SURVEYOR



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2777 (39-63)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1325' SCALE 1" = 2000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE SEPTEMBER 14, 19 92

OPERATORS WELL NO. ASHLAND / MAXWELL

WELL NO. 8

API WELL NO. WV000003508

STATE COUNTY PERMIT

47 - 017 - 3993

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

LOCATION: ELEVATION 1136' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDSDRIDGE

SURFACE OWNER CHARLES P. HEASTER ET AL.

ROYALTY OWNER LEWIS MAXWELL, HEERS, 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 5227'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI

ADDRESS BOX N. GLENVILLE, WV 26351

ADDRESS 501.96th ST. CHARLESTON, WV 26304

COUNTY NAME _____

PERMIT _____

QUADRANGLE OXFORD 7.5'

ACREAGE 936.86

LEASE NO. WV02358 -- +

LEASE NO. WV02358 -- +

0000

3993

RECEIVED
WV Division of
Environmental Protection

WR-35 OCT 02 1996

Permitting
Office of Oil & Gas

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

API # 47-017-04249

Was 3993

11-Mar-96

Well Operator's Report of Well Work

Farm name: HEASTER, CHARLES, ETAL Operator Well No.: ASHLND/MAXWL 8
LOCATION: Elevation: 1,136.00 Quadrangle: OXFORD
District: WEST UNION County: DODDRIDGE
Latitude: 8900 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 9970 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY CORP
501 56TH STREET
CHARLESTON WV 26304

Agent: JOHN M. PALETTI

Inspector: MIKE UNDERWOOD
Permit Issued: 03/11/96
Well work commenced: 06/17/96
Well work completed: 06/22/96
Verbal plugging
permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5260'
Fresh water depths (ft) 310'

Salt water depths (ft) 1310'

Is coal being mined in area? (Y/N) N
Coal Depths (ft) 1190' - 1195'; 1230' - 1236'

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, 2nd Riley, Riley, Bradford, Balltown
Pay zone depth (ft) 5122' - 4060'
Gas: Initial open flow 822 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 15 Hours
Static rock pressure 1525 psi (surface pressure) after 24 Hours

2nd 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 _____ 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.

MARK JENKINS SENIOR DRILLING SUPERVISOR
For: EASTERN AMERICAN ENERGY CORPORATION

By: _____
Date: SEPTEMBER 27, 1996

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1095'	1095'	275 SXS
4-1/2"	----	5216'	725 SXS

OCT 11 1996

017 4249

FORMATION	COLOR	HARD OR SOFT	TOP		BOTTOM		REMARKS
			FEET	FEET	FEET	FEET	
Soil			0	32			Including indication of all fresh & salt water, coal, oil & gas
Sand & Sandy shale			32	760			
Red Rock			760	786			3/4" H ₂ O at 310'
Sand & Sandy shale			786	1190			
Coal			1190	1195			
Sandy Shale			1195	1230			
Coal			1230	1236			
Sandy shale & Sand			1236	1310			Hole damp at 1310'
Shell Damp			1310	1730			1702 No show
Limestone			1730	1745			
Shale & Limestone			1745	1776			
Big Lime			1776	1844			1828-24/10 1" w/H ₂ O
Keener			1844	1887			
Big Injun			1887	1919			
Shale			1919	2071			1922-24/10 1" w/H ₂ O
Weir			2071	2180			
Shale			2180	2274			2204-10/10 2" w/H ₂ O
Berea			2274	2283			
Shale			2283	2463			2362-12/10 2" w/H ₂ O
Gordon			2463	2514			2643-16/10 2" w/H ₂ O
Shale w/trace Siltstone			2514	3159			3045-12/10 2" w/H ₂ O
Warren			3159	3202			
Shale w/sandstone			3202	4793			3328-20/10 2" w/H ₂ O
							3826-20/10 2" w/H ₂ O
							4110-30/10 2" w/H ₂ O
							4485-24/10 2" w/H ₂ O
							4609-26/10 2" w/H ₂ O
Benson			4793	4832			
Shale w/trace Siltstone			4832	5048			4921-44/10 2" w/H ₂ O
Alexander			5048	5144			5109-28/10 2" w/H ₂ O
Shale			5144	5260			20 fts down
							-18/10 2" w/H ₂ O
TD			5260				

017 4249

STAGE ONE:

Alexander
20 holes (5081' - 5122') Fractured with gelled water, 30# gel/1000 gals,
50,000 lbs 20/40 sand, 250 gals 15% HCl acid.

STAGE TWO:

Benson/2nd Riley
14 holes (4590' - 4802') Fractured with gelled water, 30# gel/1000 gals,
50,000 lbs 20/40 sand, 500 gals 15% HCl acid.

STAGE THREE:

Riley
12 holes (4368' - 4373') Fractured with gelled water, 30# gel/1000 gals,
5,000 lbs 80/100 sand, and 36,000 lbs 20/40 sand, 500 gals 15% HCl acid.

STAGE FOUR:

Bradford/Balltown
18 holes (4060' - 4248') Fractured with gelled water, 30# gel/1000 gals,
30,000 lbs of 20/40 sand and 500 gals of 15% HCl acid.

001, U 4 1995

Now 4249

017 - 3993
dated 10/19/92

SEP 28 92

FORM WW-2B

Office of Oil & Gas
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Exp. Date 10/19/94

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

2) Operator's Well Number: ASHLAND/MAXWELL #8 WVD0003508 3) Elevation: 1136'

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

5) Proposed Target Formation(s): Alexander 431

6) Proposed Total Depth: 5227' feet

7) Approximate fresh water strata depths: 380'

8) Approximate salt water depths: None

9) Approximate coal seam depths: 503-504'

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	size	Grade	Weight per ft.	FOOTAGE INTERVALS		CEMENT
				For drilling	Left in well	
Conductor	11-3/4"	F-25	32.0	40'	---	
Fresh Water	8-5/8"	F-25	20.0	1240'	1240'	C.T.S. 38CSR18-11.3 38CSR18-11.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	5142'	5142'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 95/8 casing.
PACKERS : Kind

Sizes
Depths set

14334
11/17/93

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

47-3943

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

- 1) Well Operator: Eastern American Energy Corporation
- 2) Operator's Well Number: ASHLAND/MAXWELL #8 3) Elevation: 1136'
WVDOD003508
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5227' feet
- 7) Approximate fresh water strata depths: 380'
- 8) Approximate salt water depths: None Permitting
Office of Oil & Gas
- 9) Approximate coal seam depths: 503-504'
- 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	11-3/4"	F-25	32.0	40'	---	FILL-UP (cu. ft.) <i>1012 MV</i>
Fresh Water	8-5/8"	F-25	20.0	1240'	1240'	
Coal						C.T.S. 38CSR18-11.3 38CSR18-11.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5142'	5142'	38CSR18-11.1
Tubing						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered. PACKERS : Kind Sizes Depths set

For Division of Oil and Gas Use Only

- Fee(s) paid: Well Work Permit Reclamation Fund WPCP
- Plat WV-9 WV-2B Bond Agent

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GASNOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Charles P. Heaster, et al
Address P.O. Box 112
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 Emily Trefz
Address 306 Main Street
Weston, WV 26452
Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - 782-1043
- (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 XXX 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: Johanna M. Beatty
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351



OFFICIAL SEAL - NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARILYN M. BEAN
257 N. RIVER AVE.
WESTON, WV 26452

My Commission Expires Feb. 26, 2002

Telephone (304) 462-5781

Subscribed and sworn before me this 25th day of September, 1992

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

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

Office of Oil & Gas

1) Well Operator: Eastern American Energy Corporation 14980 (8) 526
Operator's Well Number: Ashland/Maxwell #8 3) Elevation: 1136'
Well type: (a) Oil / or Gas /
21474 (b) If Gas: Production / Undergroud Storage /
21474 Deep / Shallow /

Issued 03/11/96
Expires 03/11/98

Proposed Target Formation(s): Alexander 439

Proposed Total Depth: 5227' feet

7) Approximate fresh water strata depths: 380'

8) Approximate salt water depths: None

9) Approximate coal seam depths: 530-504

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	SIZE	GRADE	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)	CEMENT
Conductor	11-3/4"	F-25	32.0	20'			
Fresh Water	8-5/8"	F-25	20.0	1100'	1100'	CTS 38CSR18-11.3	
Coal	9-5/8"	F-25	26.0			38CSR18-11.2.2	
Intermediate	*7"	H-40	17.0			CTS 9-5/8"	
Production	4-1/2"	J-55	10.5		5142'	38CSR18-11.1	
Tubing							
Liners							

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only
Fee(s) paid: [Signature] Well Work Permit [Signature] Reclamation Fund [Signature] WPCP
Plat [Signature] WW-2B [Signature] Bond [Signature] (Type) [Signature] Agent

DEC 11 1995

Permitting
Office of OIA/CIS

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Date: December 18, 1995
2) Operator's well number
Ashland/Maxwell #8
3) API Well No: 47 - 017 - 4249
State County Permit

4) Surface Owner(s) to be served:
(a) Name Charles P. Heaster et al
Address P.O. Box 112
West Union, WV 26456

(a) Coal Operator: Owners
Name Emily Trefz
Address 306 Main Ave.
Weston, WV 26452

(b) Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____

(c) Name _____
Address _____
Name _____
Address _____

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

(c) Coal Lessee with Declaration
Name _____
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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 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 22-6 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 P.O. Box 820
Glenville, WV 26351

Telephone (304) 462-5781

Subscribed and sworn before me this 18th day of December, 1995

[Signature] Notary Public

My commission expires October 10, 2000