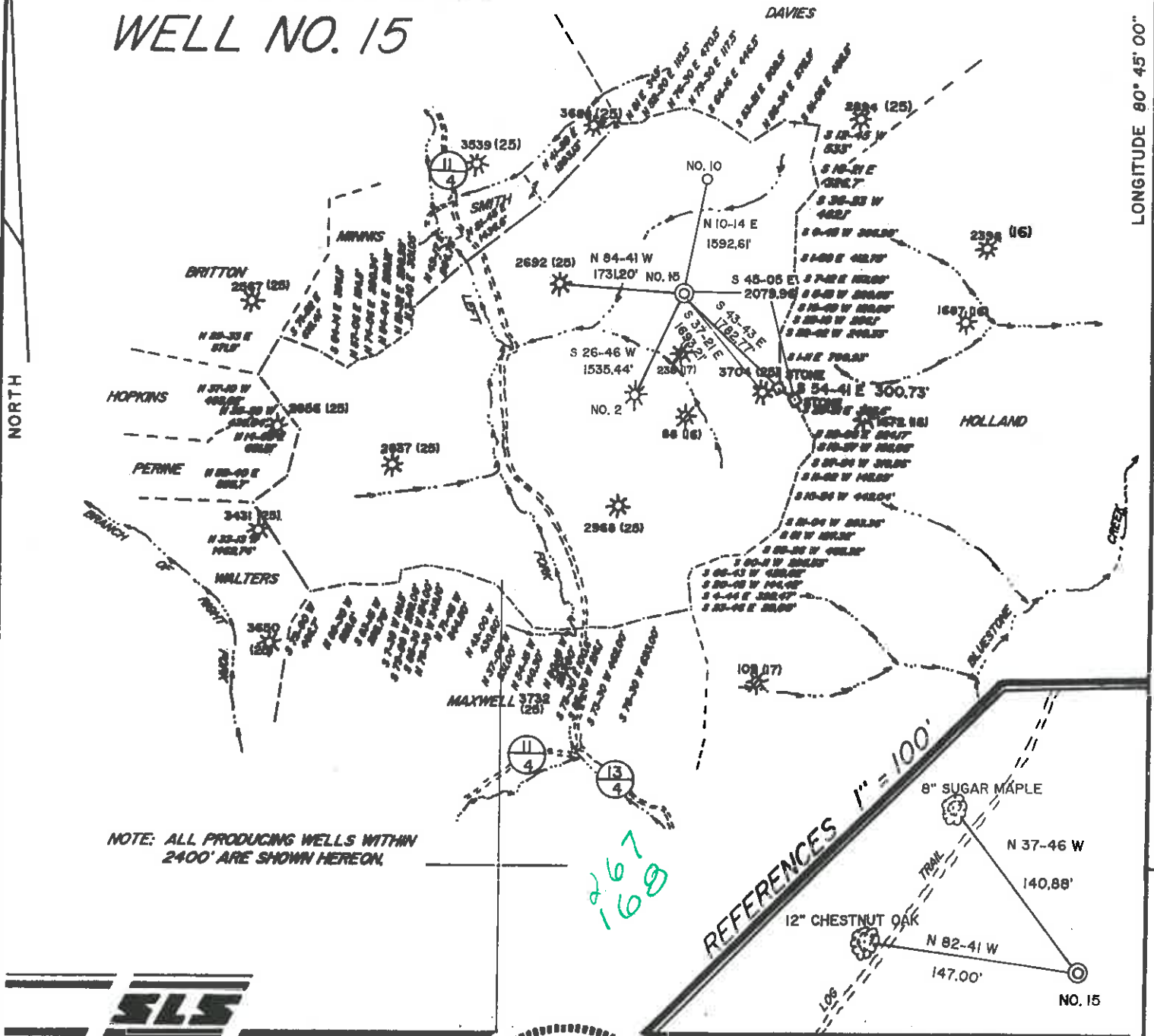


Janice 8/22/95

ASHLAND / MAXWELL LEASE

832.75 ACRES±

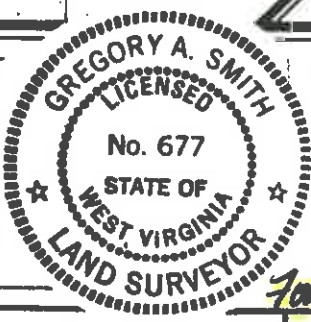
WELL NO. 15



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. 677 *Gregory A. Smith*

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

DATE SEPTEMBER 28, 19 92

OPERATORS WELL NO. ASHLAND / MAXWELL
WELL NO. 15

API WELL NO. 47-017-04209
STATE WV COUNTY DODDRIDGE PERMIT 47-017-04209

MINIMUM DEGREE OF ACCURACY 1 / 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 LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1144' WATERSHED LEFT FORK OF ARNOLD CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER MARY FARR SECRIST c/o MARY AGNES WALLACE ACREAGE 832.75

ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 832.75

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 5352'

WELL OPERATOR Eastern American Energy Corporation
ADDRESS Box N Glenville, WV 26351

DESIGNATED AGENT John M. Palell
ADDRESS 501.56th St. Charleston, WV, 25304

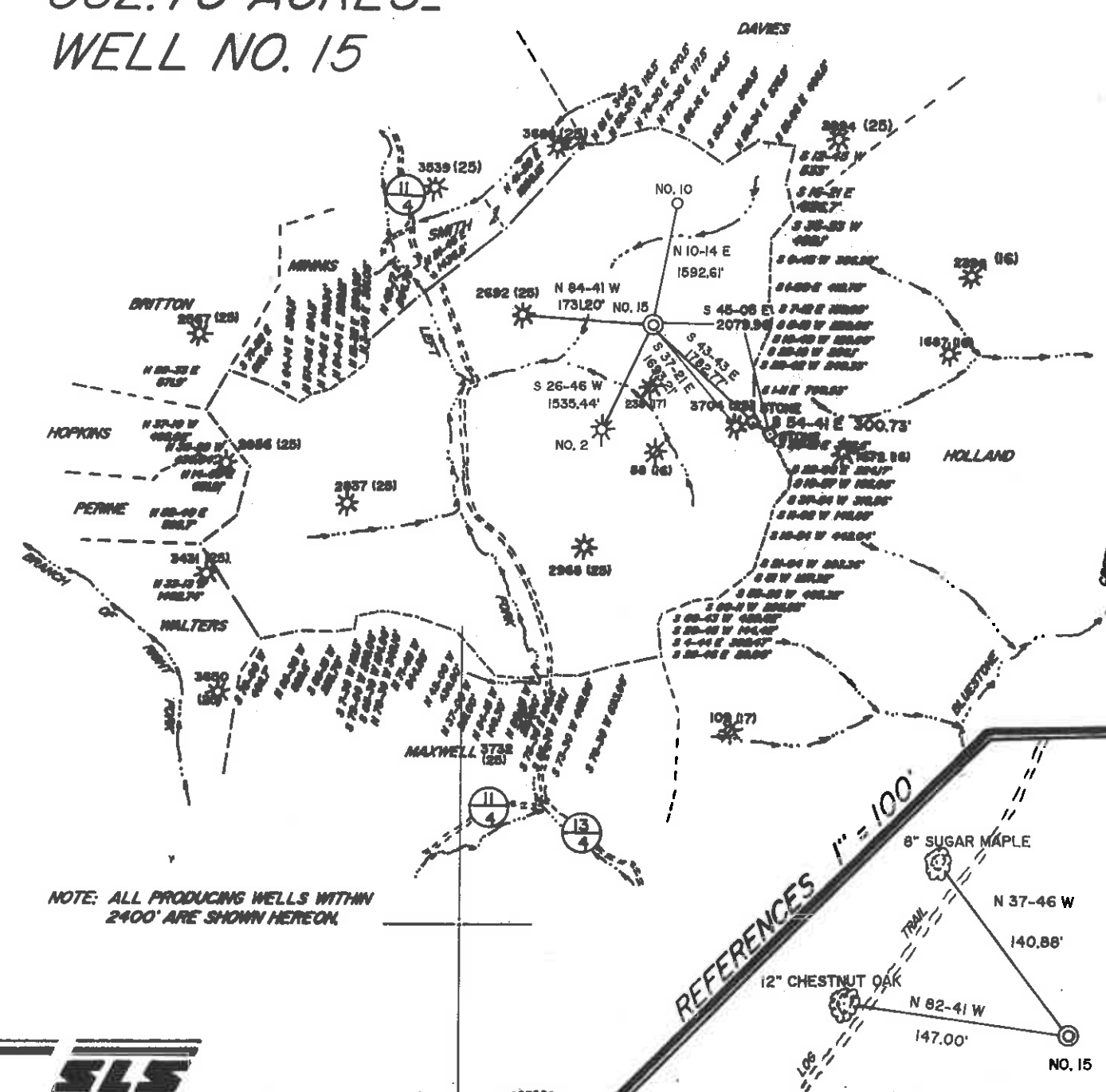
COUNTY NAME DODDRIDGE
PERMIT 4009
GANC.

ASHLAND / MAXWELL LEASE

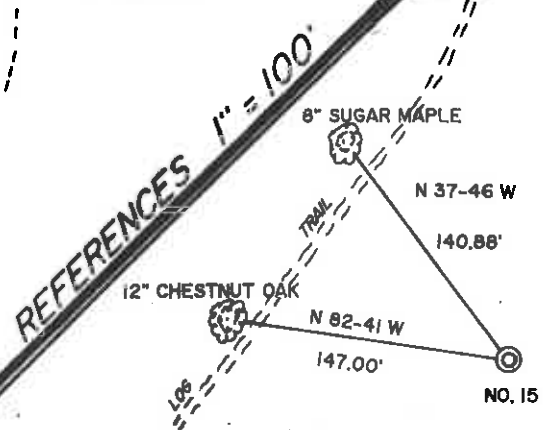
832.75 ACRES±

WELL NO. 15

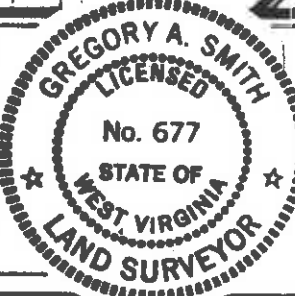
NORTH



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. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 28, 19 92
 OPERATORS WELL NO. ASHLAND / MAXWELL
 WELL NO. 15
 API WELL NO. Cancelled 47-017-4009
 STATE COUNTY PERMIT C 409

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

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 1144' WATERSHED LEFT FORK OF ARNOLD CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER MARY FARR SECRIST c/o MARY AGNES WALLACE ACREAGE 832.75

ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 832.75

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 5352'

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

COUNTY NAME PERMIT 0000 4009

ASHLAND / MAXWELL LEASE

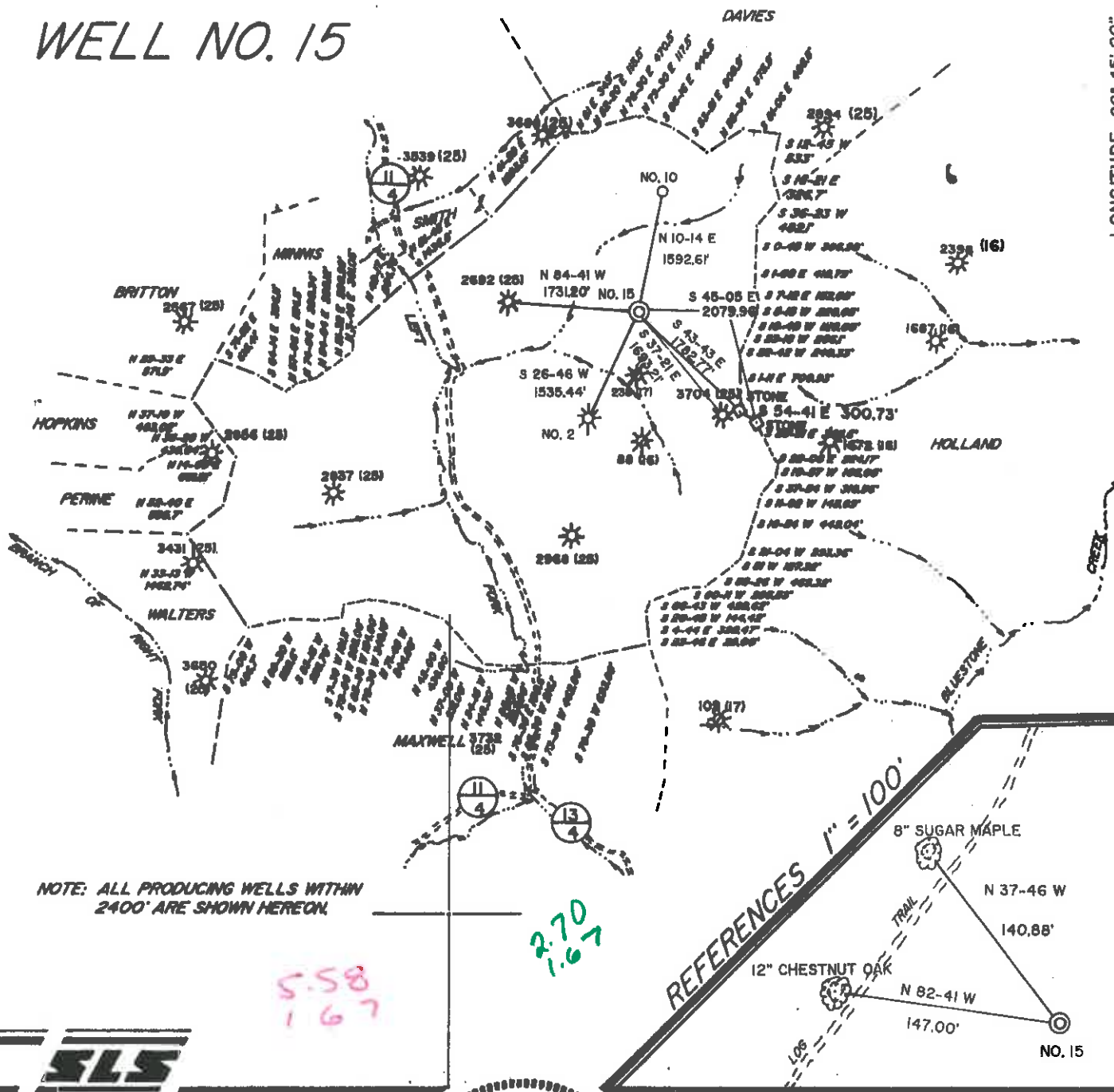
832.75 ACRES±

WELL NO. 15

NORTH

LONGITUDE 80° 45' 00"

14,140'



NOTE: ALL PRODUCING WELLS WITHIN 2400' ARE SHOWN HEREON.

5.58
1.67

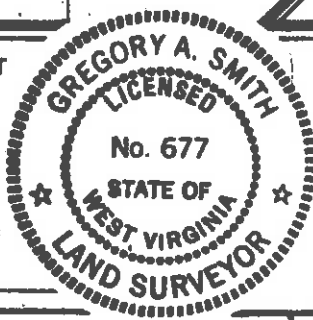
2.70
1.67

REFERENCES 1" = 100'



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 SEPTEMBER 28, 19 92

OPERATORS WELL NO. ASHLAND / MAXWELL
WELL NO. 15

API WELL NO. 47 - 017 - 4009
STATE COUNTY PERMIT
4209

MINIMUM DEGREE OF ACCURACY 1 / 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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1144' WATERSHED LEFT FORK OF ARNOLD CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER MARY FARR SECRIST c/o MARY AGNES WALLACE ACREAGE 832.75

ROYALTY OWNER LEWIS MAXWELL ET. AL. LEASE ACREAGE 832.75

PROPOSED WORK: LEASE NO. WV02358 - +

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 5352'

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

RECEIVED
WV Division of
Environmental Protection

WR-35

21-Aug-95

API # 47-017-04209

OCT 02 1996

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: SECRIST, MARY FARR Operator Well No.: ASHLND/MAXWL 15
LOCATION: Elevation: 1,144.00 Quadrangle: WEST UNION
District: WEST UNION County: DODDRIDGE
Latitude: 14140 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 8900 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: 08/24/95
Well work commenced: 05/20/96
Well work completed: 05/25/96
Verbal plugging
permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) 5352'
Fresh water depths (ft) 190'

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1107'	1107'	275 SXS
4-1/2"	----	5336'	710 SXS

Salt water depths (ft) NONE

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

OPEN FLOW DATA (Co-mingled)

Producing Formation Alexander, Benson, 3rd Riley, Riley, Balltown
Pay zone depth (ft) 5208' - 4029'
Gas: Initial open flow 1061 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1082 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock pressure 1475 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: [Signature]
Date: SEPTEMBER 27, 1996

OCT 02 1996

REMARKS

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh & salt water, coal, oil & gas
Cond.			0	30	
Sandy Shale			30	185	
Sand and Sandy Shale			185	1820	1" water @ 190'
Lime and Shale			1820	1861	1836'-56/10 1" w/H ₂ O
Big Lime			1861	1940	1897'-40/10 1" w/H ₂ O
Keener			1940	1968	
Big Injun			1962	2002	
Shale			2002	2154	2118'-40/10 1" w/H ₂ O
Weir			2154	2257	
Shale			2257	2355	2330'-40/10 1" w/H ₂ O
Berea			2355	2367	
Shale			2367	2553	2526'-60/10 1" w/H ₂ O
Gordon			2553	2602	
Shale w/Trace Sand			2602	3227	2870'-56/10 1" w/H ₂ O 3178'-50/10 1" w/H ₂ O
Warren			3227	3287	
Shale w/Some Sand			3287	3796	3525'-40/10 1" w/H ₂ O
Upper Balltown			3796	3820	3803'-32/10 1" w/H ₂ O
Shale			3820	4019	4011'-30/10 1" w/H ₂ O
Lower Balltown			4019	4076	
Shale w/Trace Sand			4076	4430	4208'-50/10 1" w/H ₂ O 4364'-36/10 1" w/H ₂ O
Riley			4430	4478	
Shale and Sand			4478	4887	4552'-70/10 1" w/H ₂ O 4677'-70/10 1" w/H ₂ O
Benson			4887	4924	4895'-20/10 2" w/H ₂ O
Shale w/Trace Sand			4924	5137	
Alexander			5137	5228	5211'-18/10 2" w/H ₂ O
Shale			5228	5352	5352'-10/10 2" w/H ₂ O
TD			5352		DC - 4/10 2" w/H ₂ O

- STAGE ONE: Alexander
23 holes (5161' - 5208') Fractured with gelled water, 30# gel/1000 gals,
60,000 lbs 20/40 sand, 250 gals 15% HCl acid.
- STAGE TWO: Benson/3rd Riley
14 holes (4681' - 4805') Fractured with gelled water, 30# gel/1000 gals,
40,000 lbs 20/40 sand, 500 gals 15% HCl acid.
- STAGE THREE: Riley
14 holes (4441' - 4457') Fractured with gelled water, 30# gel/1000 gals,
5,000 lbs 80/100 sand, 40,000 lbs 20/40 sand and 500 gals of 15% HCl acid.
- STAGE FOUR: Balltown
14 holes (4029' - 4054') Fractured with gelled water, 30# gel/1000 gals,
45,000 lbs of 20/40 sand and 500 gals of 15% HCl acid.

RECEIVED

West Virginia Department of Environmental Protection

16536

017-4009 → 4209
Bonded 12/28/92

DEC 1 0 92

FORM WW-2B

Page 3 of 10

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

Expires 12/29/94

- 1) Well Operator: Eastern American Energy Corporation 14980 (81 670)
- 2) Operator's Well Number: ASHLAND/MAXWELL #15 3) Elevation: 1144'
- 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: 5352' feet
- 7) Approximate fresh water strata depths: 133, 262, 301, 337, 412, 597
- 8) Approximate salt water depths: 1321
- 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	Fill-up (cu. ft.)
Conductor	11-3/4"	F-25	32.0	40		
Fresh Water	8-5/8"	G-25	20.0	1200	1200	C.T.S. 38CSR18-11.3 38CSR18-11.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	5267	5267	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

34324/42

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

RECEIVED

WV Division of Environmental Protection

Page 1 of 10
Form WW2-A
(09/87)

DEC 1 0 92

Permitting Office

1) Date: December 1, 1992
2) Operator's well number
ASHLAND/MAXWELL #15
3) API Well No: 47 - 017 - 4009
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 56 A
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)- 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 10 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.

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARILYN M. DEAN
257 N. RIVER AVE.
WESTON, WV 26402
My Commission Expires Feb. 26, 2002

Well Operator Eastern American Energy Corporation
By: John M. Gilbert
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 1st day of December, 1992

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

RECEIVED
WV Division of
Environmental Protection

017-4209 Issued 08/24/95

FORM WW-2B

AUG 08 1995

Page 3 of 11

Expires 08/24/97

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

Well Operator: Eastern American Energy Corporation

14980 (8) 671

21009

- 1) Operator's Well Number: Ashland/Maxwell #15 3) Elevation: 1144'
- 2) 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: 5352' feet
- 7) Approximate fresh water strata depths: 133', 262', 301', 337', 412', 597'
- 8) Approximate salt water depths: 1321'
- 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)

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TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
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Fresh Water	8-5/8"	G-25	20.0	1100	1100	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	-----	5267	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 WW-2B Bond Blanket (Type) Agent

10913
36

8/24

RECEIVED
WV Division of
Environmental Protection

AUG 08 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

Page 1 of 11
Form WW2-A
(09/87)
File Copy

- 1) Date: August 7, 1995
- 2) Operator's well number
Ashland/Maxwell #15
- 3) API Well No: 47 - 017 - 4209
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 _____

5) (a) Coal Operator:
 Name N/A
 Address _____
 (b) Coal Owner(s) with Declaration
 Name N/A
 Address _____
 Name _____
 Address _____

6) Inspector Mike Underwood
 Address Rt. 1 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
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 11 on the above named parties, by:
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XX _____ Certified Mail (Postmarked postal receipt attached)
 _____ 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. Galbreath
 Its: Designated Agent
 Address P.O. Box 820
Glenville, WV 26351
 Telephone (304) 462-5781

Subscribed and sworn before me this 7th day of August, 1995

Chandra Lee Skinner
My commission expires October 10, 2000

