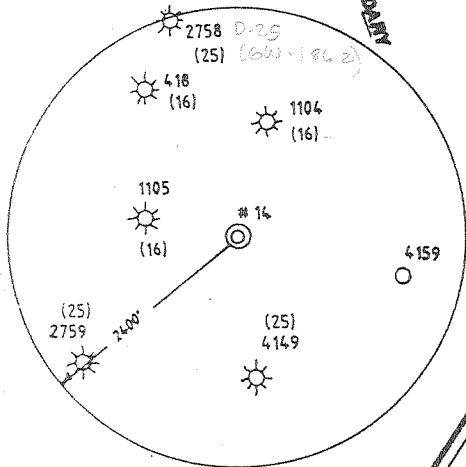
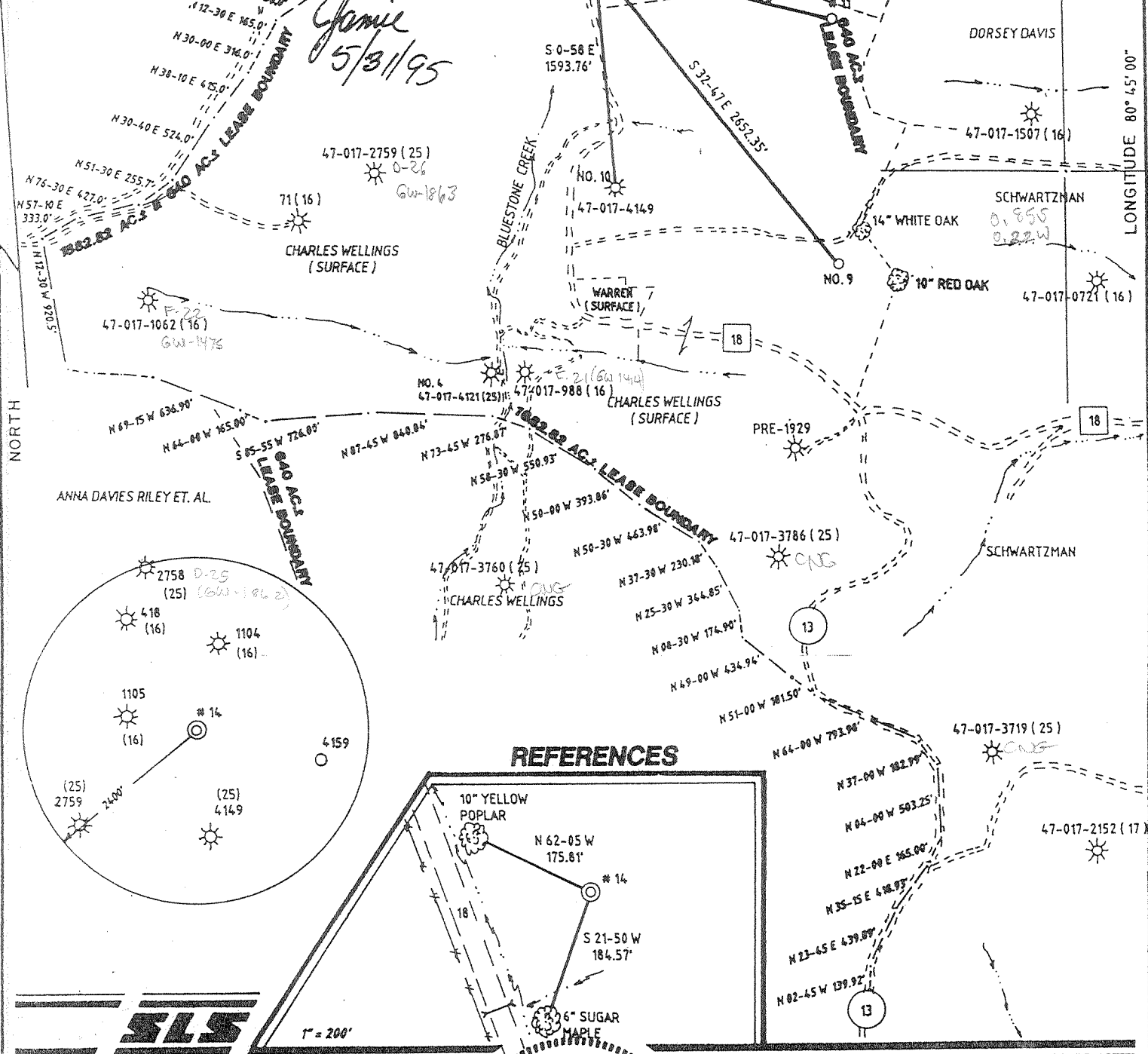


ASHLAND / HOLLAND LEASE P/O 640 & 1882.82 ACRES±

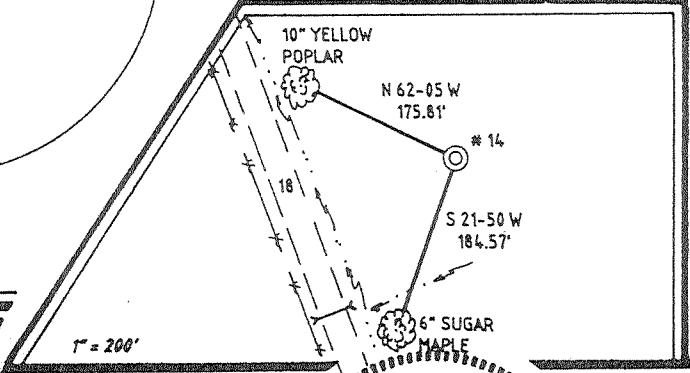
LATITUDE 39° 17' 30"

WELL # 14 ANNA DAVIES RILEY ET. AL

*Jonie
5/31/95*

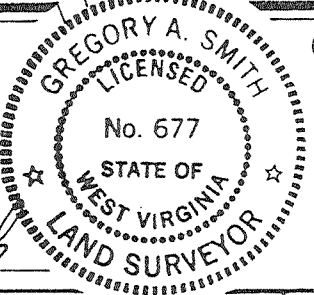


REFERENCES



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 MARCH 29, 19 95
 OPERATORS WELL NO. ASHLAND / HOLLAND NO. 14
 API WELL NO. 47 - 017 - 04199
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3028 (53-45)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1285' 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 861' WATERSHED BLUESTONE CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER PAUL MCCUTCHAN ACREAGE 123.38
 ROYALTY OWNER LEWIS MAXWELL III ET. AL. LEASE ACREAGE 640 & 1882.82

PROPOSED WORK: LEASE NO. _____
 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, BENSON, RILEY
 ESTIMATED DEPTH 5097'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56th ST. CHARLESTON, WV. 25304

COUNTY NAME DODD
 PERMIT 4199

ASHLAND / HOLLAND LEASE P/O 640 & 1882.82 ACRES WELL # 14

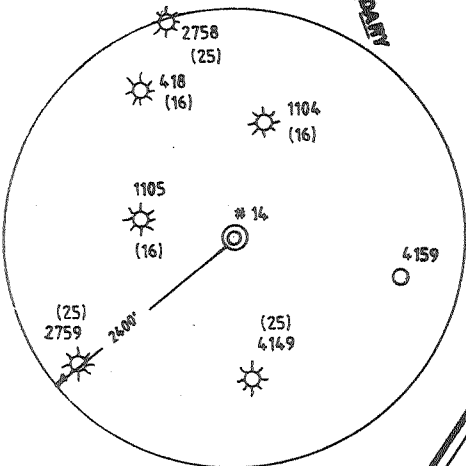
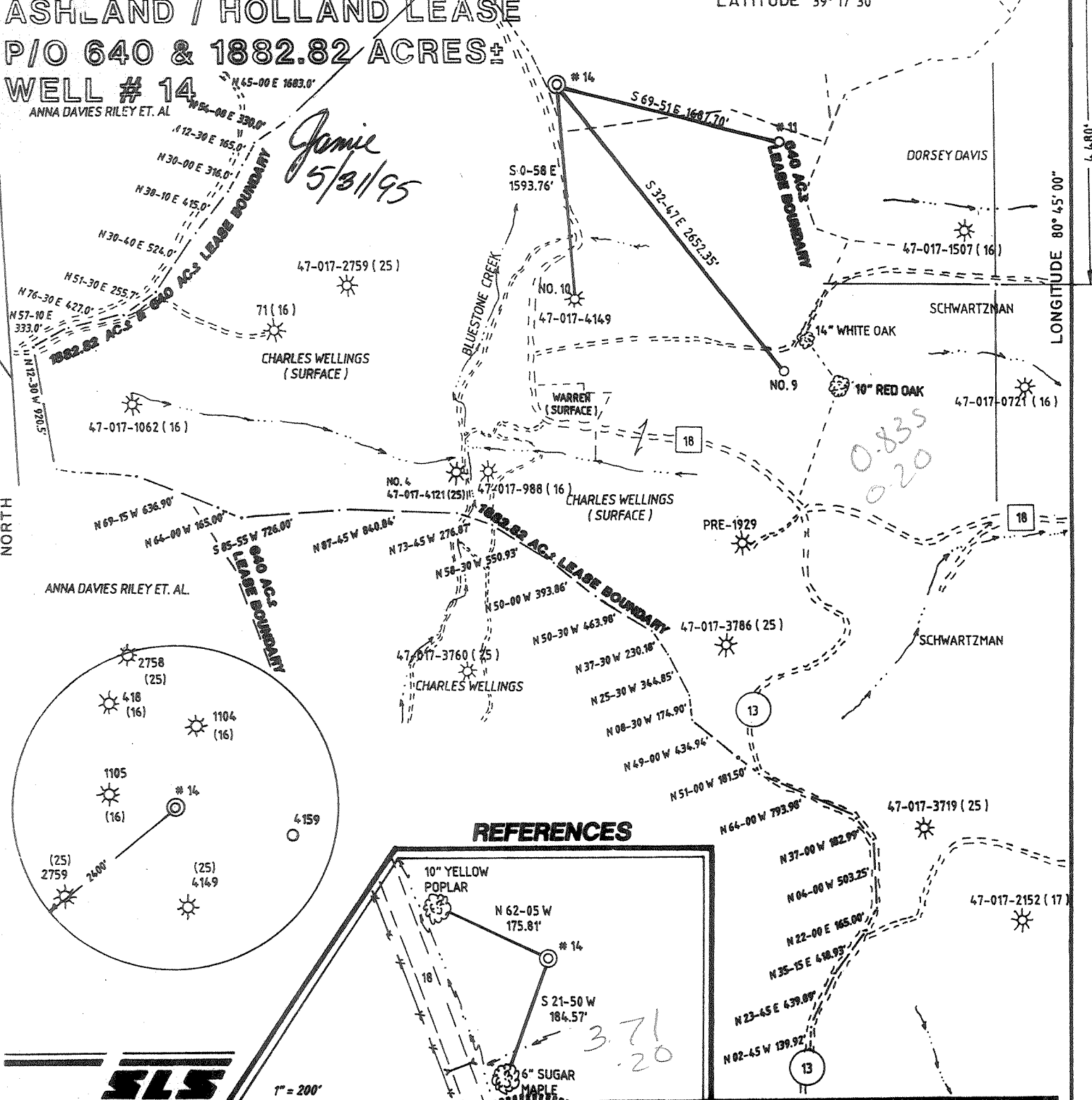
LATITUDE 39° 17' 30"

ANNA DAVIES RILEY ET. AL.
 N65-00 E 1683.0'
 N54-00 E 330.0'
 N12-30 E 165.0'
 N30-00 E 316.0'
 N30-10 E 415.0'
 N30-40 E 524.0'
 N51-30 E 255.7'
 N76-30 E 427.0'
 N57-10 E 333.0'
 N17-30 W 920.5'

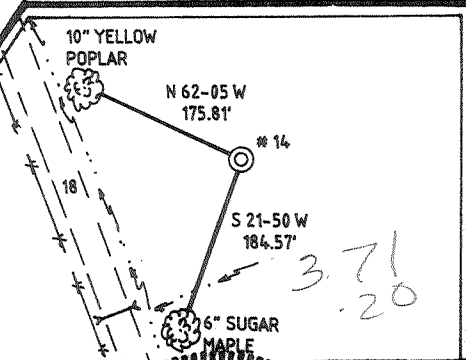
*Janie
5/31/95*

NORTH

LONGITUDE 80° 54' 08"



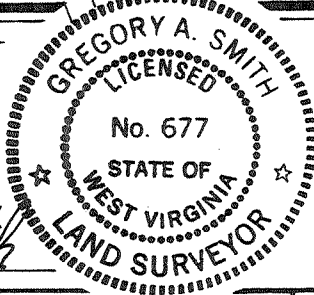
REFERENCES



1" = 200'

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.

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 ESTIMATED DEPTH 5097'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV. 26351 ADDRESS 501 56TH ST. CHARLESTON, WV. 25304

COUNTY NAME PERMIT

JUN 2 1995

259

6-6 99

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0.20*

*371
20*

RECEIVED

WV Division of
Environmental Protection

SEP 20 1995

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

Permitting Well Operator's Report of Well Work

Office of Oil & Gas

Farm name: MCCUTCHAN, PAUL

Operator Well No.: Ashld/Holand 14

LOCATION: Elevation: 861.00 Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 4480 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 1140 Feet West of 80 Deg. 45 Min. Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 05/31/95
Well work Commenced: 06-29-95
Well work Completed: 07-13-95
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5108'
Fresh water depths (ft) 50', 270'
Salt water depths (ft) None
Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			CTS
8-5/8"	761'	761'	195 SXS
4-1/2"	----	5097'	675 SXS

OPEN FLOW DATA

(Commingled)

Producing formation Riley Alexander, Benson, 3rd Riley, pay zone depth (ft) 998'-4207'
Gas: Initial open flow 569 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 471 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: [Signature] Senior Drilling Supervisor
Date: 9-14-95

SEP 22 1995

SEP 23 1995

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

Three Stage Frac

- Stage One: Alexander; 21 holes (4931'-4998'), Fractured w/energized water, 30 lbs gel/1000 gals, 60,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 102,000 scf of N2.
- Stage Two: Benson/3rd Riley; 14 holes (4569'-4660'), Fractured w/energized water, 30 lbs gel/1000 gals, 30,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 80,000 scf of N2.
- Stage Three: Riley; 14 holes (4208'-4222'), Fractured w/energized water, 30 lbs gel/1000 gals, 5,000 lbs of 80/100 sand, 30,000 lbs of 20/40 sand, 500 gals of 15% HCl acid and 90,000 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
Redrock & Shale	Red	Med	0	20	Damp @ 50'
Sand & Shale	Gray	Med	20	28	1/2" water @ 270'
Redrock & Shale	Red	Soft	28	35	
Sand & Shale	Gray	Med	35	245	<u>Gas Checks:</u>
Lime & Sand	Gray	Hard	245	265	1524' No Show
Sand & Shale	Gray	Soft	265	278	1709' 4/10 1" w/water
Sand	Gray	Med	278	365	1897' 6/10 1" w/water
Redrock & Shale	Red	Soft	365	443	2082' 6/10 1" w/water
Sand & Shale	Gray	Med	443	687	2423' 28/10 2" w/water
Redrock	Red	Soft	687	708	2703' 24/10 2" w/water
Sand & Shale	Gray	Med	708	723	3017' 24/10 2" w/water
Shale	Gray	Soft	723	809	3299' 8/10 2" w/water
Sand & Shale	Gray	Med	809	910	3610' 8/10 2" w/water
Sand	Gray	Med	910	960	3922' 8/10 2" w/water
Sand & Shale	Gray	Md.Soft	960	1065	4171' 8/10 2" w/water
Shale	Gray	Soft	1065	1085	4265' 8/10 2" w/water
Sand	Gray	Md.Hard	1085	1148	4515' 6/10 2" w/water
Sand & Shale	Gray	Med	1148	1554	4609' 6/10 2" w/water
Little Lime	Gray	Med	1554	1580	4703' 6/10 2" w/water
Shale	Gray	Soft	1580	1590	4859' 6/10 2" w/water
Big Lime	Gray	Hard	1590	1687	5015' 6/10 2" w/water
Keener	Gray	Med	1687	1730	TD 4/10 2" w/water
Injun	Dk.Gray	Med	1730	1750	DC 4/10 2" w/water
Sand & Shale	Gray	Md.Soft	1750	1915	
Weir	Gray	Med	1915	1925	
Sand & Shale	Gray	Med	1925	2116	
Berea	Gray	Med	2116	2120	
Sand & Shale	Gray	Med	2120	2958	
Warren	Lt.Gray	Med	2958	3011	
Sand & Shale	Gray	Md.Soft	3011	3750	
Balltown	Dk.Gray	Med	3750	3760	
Sand & Shale	Gray	Med	3760	4191	
Riley	Dk.Gray	Med	4191	4205	
Sand & Shale	Gray	Med	4205	4515	
3rd Riley	Gray	Med	4515	4543	
Sand & Shale	Gray	Med	4543	4619	
Benson	Dk.Brown	Med	4619	4650	
Sand & Shale	Lt.Gray	Md.Soft	4650	4876	
Alexander	Dk.Gray	Med	4876	4982	
	Gray	Med	4982	5108	TD

MAY 12 1995

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

Permitting
Office of Oil & Gas

1) Date: April 17, 1995
2) Operator's well number
Ashland/Holland #14
3) API Well No: 47 - 017 - 4199
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 Paul McCutchan
Address 300 Wood Street
West Union, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

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

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 _____

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 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:

- _____ Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE
(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator Eastern American Energy Corporation
By: John M. Valenti
Its: Designated Agent
Address 501 56th Street
Charleston, WV 25304
Telephone (304) 925-6100

Subscribed and sworn before me this 17th day of APRIL, 19 95

Edward T. Smith
My commission expires MARCH 27 2001 Notary Public
JUN 25 1995