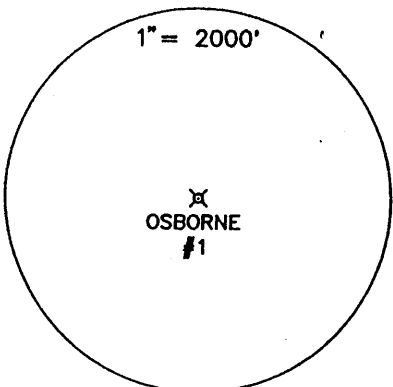
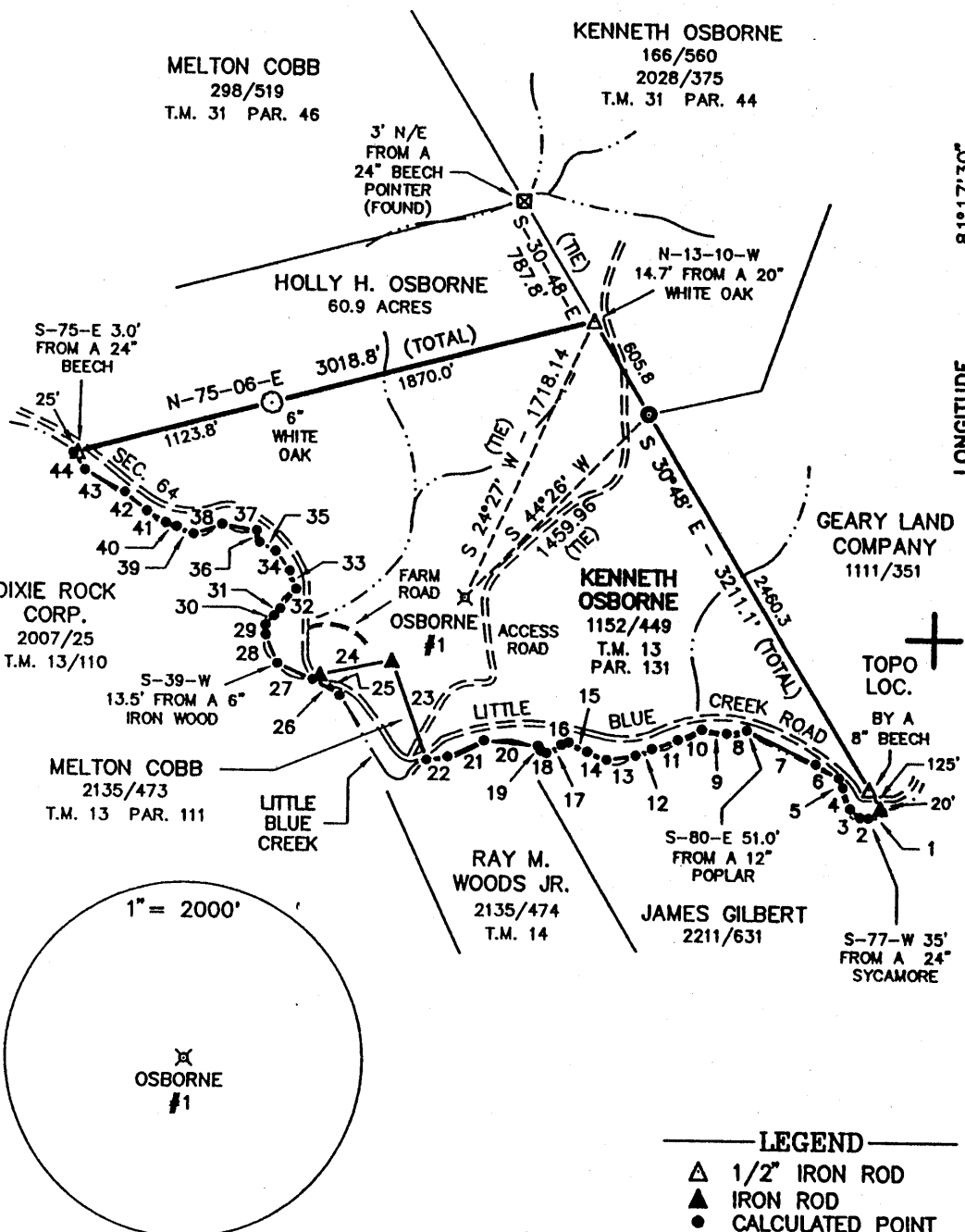


LINE	BEARING	DISTANCE
1.	S-63-49-W	85.50'
2.	N-86-25-W	46.90'
3.	N-50-03-W	75.60'
4.	N-18-47-W	127.83'
5.	N-23-15-W	57.12'
6.	N-58-45-W	153.25'
7.	N-63-56-W	432.35'
8.	S-80-11-W	115.45'
9.	N-80-54-W	140.65'
10.	S-64-59-W	147.84'
11.	S-69-55-W	153.90'
12.	S-67-01-W	98.15'
13.	S-80-53-W	166.40'
14.	N-67-24-W	118.00'
15.	N-64-06-W	117.83'
16.	S-71-47-W	40.83'
17.	S-60-45-W	98.00'
18.	N-69-50-W	33.50'
19.	N-29-10-W	30.90'
20.	N-84-53-W	306.25'
21.	S-65-10-W	223.25'
22.	S-76-27-W	120.60'
23.	N-19-16-W	610.50'
24.	S-78-07-W	412.50'
25.	S-42-48-E	165.00'
26.	N-59-23-W	177.80'
27.	N-65-31-W	219.42'
28.	N-22-14-W	174.50'
29.	N-01-36-W	54.65'
30.	N-42-33-E	69.10'
31.	N-40-04-E	53.06'
32.	N-38-40-E	142.60'
33.	N-19-57-W	110.60'
34.	N-36-29-W	136.25'
35.	N-62-00-W	102.70'
36.	N-12-54-W	66.80'
37.	N-80-20-W	196.95'
38.	S-70-54-W	170.60'
39.	N-66-56-W	103.25'
40.	N-71-03-W	65.20'
41.	N-58-51-W	123.70'
42.	N-49-38-W	165.05'
43.	N-61-43-W	255.75'
44.	N-34-08-W	114.00'



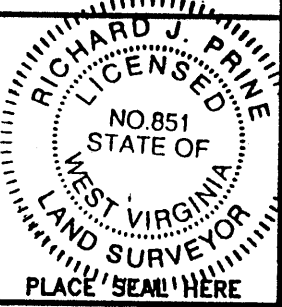
- LEGEND**
- △ 1/2" IRON ROD
 - ▲ IRON ROD
 - CALCULATED POINT
 - ⊙ IRON PIPE
 - ⊠ STONE

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

FILE NO. _____
 DRAWING NO. 04-86
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROAD
 ELEV. = 686

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.

(SIGNED) _____
 R.P.E. _____ L.L.S. 851



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE 03-10, 2004
 OPERATOR'S WELL NO. E. OSBORNE #1
 API WELL NO. 47-39-4778D
 STATE 47 COUNTY 39 PERMIT 4778D

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

LOCATION: ELEVATION 850 WATER SHED LITTLE BLUE CREEK
 DISTRICT BIG SANDY COUNTY KANAWHA
 QUADRANGLE CLIO 7.5

SURFACE OWNER KENNETH OSBORNE ACREAGE 142.13
 OIL & GAS ROYALTY OWNER L. D. OSBORNE ETAL LEASE ACREAGE 510.50
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER REDRILL _____ FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY): _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR RESERVE OIL & GAS DESIGNATED AGENT J. SCOTT FRESHWATER
 ADDRESS 929 CHARLESTON ROAD ADDRESS 929 CHARLESTON ROAD
SPENCER, WV 25276 SPENCER, WV 25276

(Clendenen 220) 6-6

APR 2 2004

KAN 4778 D

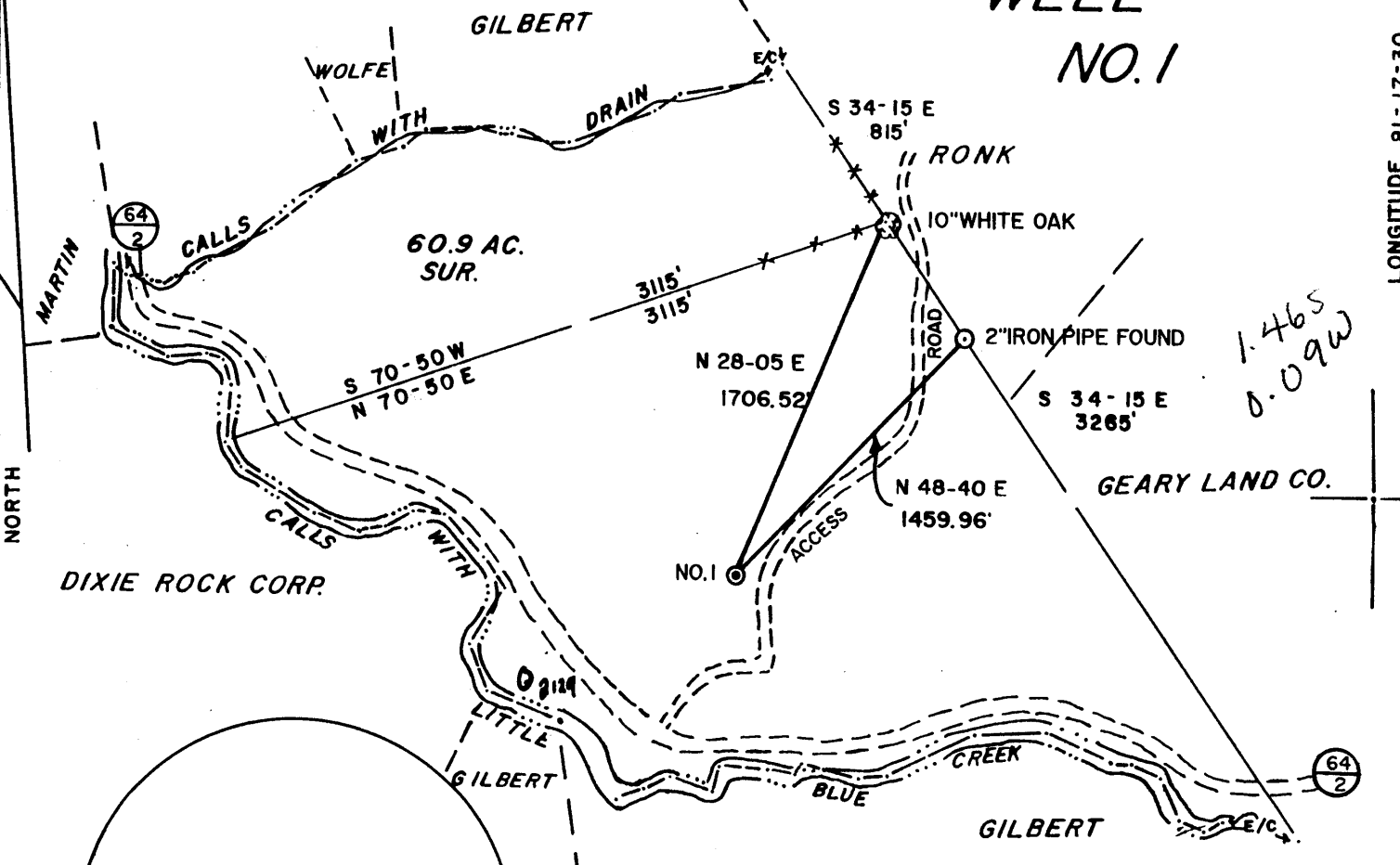
E. OSBOURNE LEASE

LATITUDE $38\frac{1}{2}$ -32-30

Jamie 12/3/90

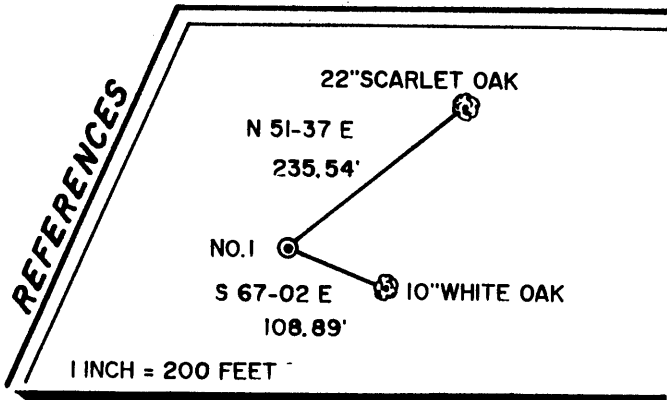
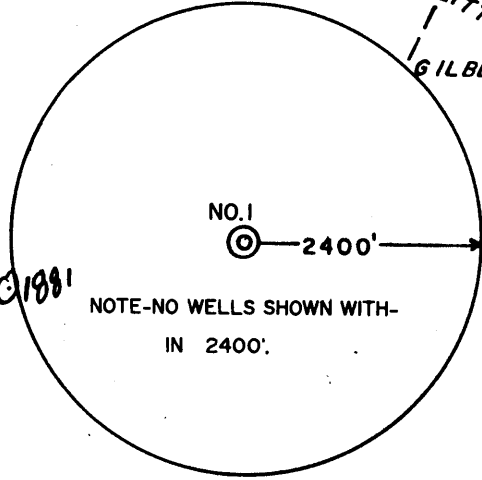
142.13 ACRES ±

WELL NO. 1

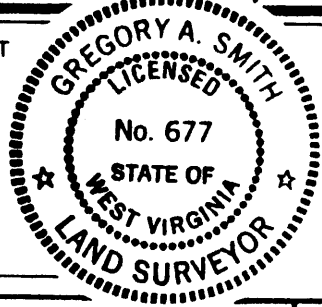


03-17-18 EADUNGN07
7710

*1.465
0.09w*



*3 34 S
2. 34 W
Walton SE*



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 NOVEMBER 15, 19 90
 OPERATORS WELL NO. E. OSBOURNE No. 1
 WVKAN000401
 API WELL NO. 47 - 039 - 4778
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2508 (34-41)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 686' SCALE 1" = 800'

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 850' WATERSHED LITTLE BLUE CREEK

DISTRICT BIG SANDY COUNTY KANAWHA QUADRANGLE CLIO 7.5'
 SURFACE OWNER KENNETH OSBOURNE ACREAGE 142.13
 ROYALTY OWNER L. D. OSBOURNE LEASE ACREAGE 510.50

PROPOSED WORK: LEASE NO. WV00902-A
 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 BEREA
 ESTIMATED DEPTH 1975'

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

DEC 10 1990

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: E. Osborne Operator Well No.: 1

LOCATION: Elevation: 850 Quadrangle: Clio

District: Big Sandy County: Kanawha
Latitude: 490 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 7,850 Feet West of 81 Deg. 17 Min. 30 Sec.

Company: Reserve Oil & Gas, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>929 Charleston Rd.</u>	<u>8 5/8</u>	<u>544</u>	<u>544</u>	<u>Existing</u>
<u>Spencer, WV 25276</u>	<u>4 1/2</u>	<u>1708</u>	<u>1708</u>	<u>Existing</u>
Agent: <u>J. Scott Freshwater</u>	<u>2 7/8</u>	<u>4596</u>	<u>4596</u>	<u>60</u>
Inspector: <u>Carlos Hively</u>				
Date Permit Issued: <u>3-30-04</u>				
Date Well Work Commenced: <u>5-16-04</u>				
Date Well Work Completed: <u>6-17-04</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>4608</u>				
Fresh Water Depth (ft.): <u>340</u>				
Salt Water Depth (ft.): <u>1175</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.):				

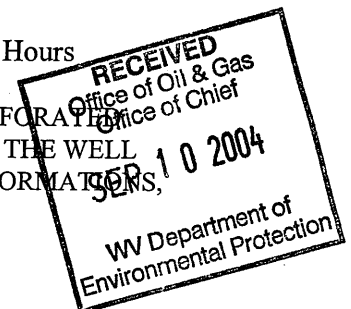
OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 3105-4450
Gas: Initial open flow 70 MCF/d Oil: Initial open flow None Bbl/d
Final open flow 120 MCF/d Final open flow None Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 650 psig (surface pressure) after 72 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 PERFORMANCE 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.

Signed: _____
By: J. Scott Freshwater
Date: 8 Sep 04



OCT 15 2004

KAN 4778 DD

RESERVE OIL & GAS, INC.

Well Name & Number: E. Osborne #1
County: Kanawha
State: WV
Elevation: 850
Permit number: 47-039-04778DD

Estimated Depths

Top Soil: 0-10
Slate Red Rock: 10-1043
Salt Sand: 1043-1128
Maxton: 1469-1471
Little Lime: 1471-1505
Big Lime: 1520-1630
Big Injun: 1630-1660
Berea: 1800-1817
Devonian Shale: 1843-4608
Total Depth: 4608

fm@TD Angola (825)

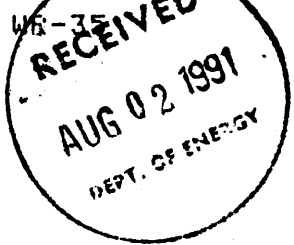
Frac

Frac with 1000 gal. Acid 15% HGI 55 Perforations

1000 Mcf N₂

3105 ft. to 4450 ft.
LH Ang.

OCT 15 2004



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: OSBOURNE, KENNETH

Operator Well No.: E. OSBOURNE #1

LOCATION: Elevation: 850.00' Quadrangle: CLIO

District: BIG SANDY

County: KANAWHA

Latitude: 7710 Feet South of 39

Deg. 32 Min. 30 Sec.

Longitude: 490 Feet West of 81

Deg. 17 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY CORP.

P. O. BOX N
GLENNVILLE, WV

Casings	Used in	Left	Cement
&	Drillings	in Well	Fill Up
Tubing			Cu. Ft.

Asent: DONALD C. SUPCOE

Inspector: CARLOS W. HIVELY

Permit Issued: 12/03/90

Well work Commenced: 05/04/91

Well work Completed: 05/16/91

Verbal Plugging

Permission granted on: _____

Rotary Cable _____ Rig

Total Depth (feet) 1959'

Fresh water depths (ft) 340'

Salt water depths (ft) 1175'

Is coal being mined in area (Y/N)? Y

Coal Depths (ft): 310' 449'

Size			
8-5/8"	544'	544'	C.T.S.
4-1/2"	---	1708'	223

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 1682'-1636'
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow N/A MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 85 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: Ronald L. Rech EASTERN AMERICAN ENERGY CORP. AUG 12 1991

By: Ronald L. Rech, Regional Drilling Manager

Date: July 17, 1991

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

STAGE 1: Berea -- (1682'-1636') Breakdown 2000 psi, Pumped away 18 bbls of 15% HCl acid and water.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fres and salt water, coal, oil and ga
Soil			0	10	1/4" water @ 340'
Shale and Sand			10	310	1-1/2" water @ 1175'
Coal			310	314	
Shale			314	449	
Coal			449	454	
Sand and Shale			454	1015	
Sand			1015	1040	1378' - No show
Shale			1040	1043	1409' - No show
Salt Sand			1043	1128	1502' - No show
Shale			1128	1142	1593' - No show
Salt Sand			1142	1178	1718' - No show
Shale			1178	1217	
Salt Sand			1217	1374	
Shale			1374	1411	
Maxton			1411	1469	
Shale			1469	1471	
Little Lime			1471	1505	
Pencil Cave			1505	1520	
Big Lime			1520	1630	
Big Injun			1630	1660	
Shale			1660	1679	
Squaw			1679	1684	
Shale			1684	1800	
Berea			1800	1817	
Shale			1817	1965 T.D.	

11911

039-4778

Issued 12/03/90
Expires 12/03/92

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

- 1) Well Operator: 259 Eastern American Energy Corporation
- 2) Operator's Well Number: E. Osbourne #1 - WVKAN000401 3) Elevation: 850'
- 4) Well type: (a) Oil / or Gas XX/
(b) If Gas: Production XX/ Underground Storage /
Deep / Shallow XX/
- 5) Proposed Target Formation(s): Berea 395
- 6) Proposed Total Depth: 1975 feet
- 7) Approximate fresh water strata depths: 100' *254'*
- 8) Approximate salt water depths: 1115' *1115'*
- 9) Approximate coal seam depths: None *OK*
- 10) Does land contain coal seams tributary to active mine? Yes / No XX/
- 11) Proposed Well Work: Drill and complete new well.
- 12)

RECEIVED
Division of Energy
NOV 26 90
Permitting
Oil and Gas Section

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 "	F-25	37.5	120'	-----	
Fresh Water	8-5/8"	J-55	20.0	1350'	1350'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate						
Production	4-1/2"	J-55	10.5	1900'	1900'	38CSR18-11.1
Tubing	1-1/2"	H-40	2.75			
Liners						

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 *Security Blanket* Agent

1) Date: November 19, 1990
2) Operator's well number
E. Osbourne #1 - WVKAN000401
3) API Well No: 47 - 039 - 4778
State - County - Permit

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

RECEIVED
Division of Energy
NOV 26 90
Permitting
Oil and Gas Section

4) Surface Owner(s) to be served:
(a) Name Kenneth Osbourne
Address Box 24, Blue Creek Drive
Clendenin, WV 25045
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Carlos W. Hively
Address 223 Pinch Ridge Rd.
Elkview, WV 25071
Telephone (304)-965-6069

5) (a) Coal Operator:
Name None
Address _____
(b) Coal Owner(s) with Declaration
Name None
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name None
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 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: John M. Paletti
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 19th day of November, 1990

My commission expires _____
Notary Public