

MH 12-17-85

9450' WEST

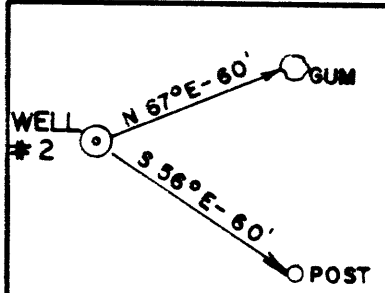
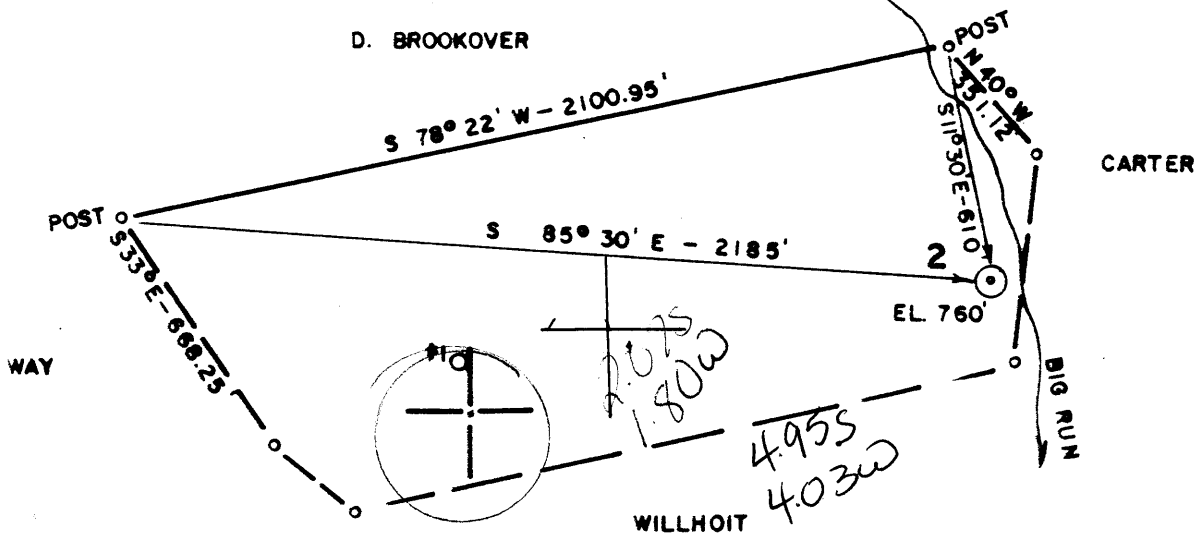
3925

CODE \_\_\_\_\_ CARD \_\_\_\_\_ PLOT \_\_\_\_\_

LATITUDE 39° 22' 30"

81° 27' 30"

NORTH

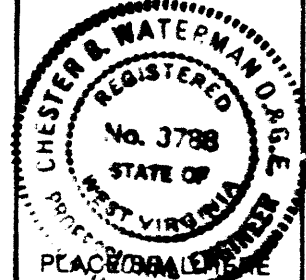


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

REFERENCE POINTS

FILE NO. 85-802  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1" / 200'  
 PROVEN SOURCE OF ELEVATION KNOB (1015')

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 MINES.  
 (SIGNED) Charles Waterman  
 R.P.E. 3788 L.L.S. \_\_\_\_\_



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE 12/10, 19 85  
 OPERATOR'S WELL NO. 2  
 API WELL NO. 47-107-1389  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 760 WATER SHED BIG RUN  
 DISTRICT WILLIAMS 0 COUNTY WOOD  
 QUADRANGLE VALLEY MILLS 7.5' 650 073Wcy Marietta  
 SURFACE OWNER HOWARD BROOKOVER ACREAGE 45  
 OIL & GAS ROYALTY OWNER HOWARD BROOKOVER LEASE ACREAGE 45  
 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 BEREA ESTIMATED DEPTH 2500'  
 WELL OPERATOR BLAUSER WELL SERVICE DESIGNATED AGENT STANLEY K. WILSON  
 ADDRESS P.O. BOX 829 MARIETTA, OH 45750 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

DEC 30 1985

IV-35  
(Rev 8-81)

**RECEIVED**  
JUL 21 1986



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
**State of West Virginia**  
Department of Mines  
Oil and Gas Division

Date July 18, 1986  
Operator's  
Well No. #2  
Farm Howard Brookover  
API No. - 107 - 1389

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection    / Waste Disposal    /  
(If "Gas," Production    / Underground Storage    / Deep    / Shallow    /)

LOCATION: Elevation: 760' Watershed Big Run  
District: Williams County Wood Quadrangle Valley Mills

COMPANY Blausier Well Service, Inc.  
ADDRESS P.O. Box 829, Marietta, OH  
DESIGNATED AGENT Stanley K. Wilson  
ADDRESS Route 1, Box 116, Big Springs, WV  
SURFACE OWNER Howard E. Brookover  
ADDRESS Route 1, Box 168, Parkersburg, WV  
MINERAL RIGHTS OWNER same  
ADDRESS same  
OIL AND GAS INSPECTOR FOR THIS WORK Glen  
Robinson ADDRESS Mineralwells, WV  
PERMIT ISSUED December 17, 1985  
DRILLING COMMENCED February 1, 1986  
DRILLING COMPLETED February 6, 1986  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON n/a

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	277'	277'	100 sx
7			
5 1/2			
4 1/2	2126.15'	2126.15'	200 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2067 feet  
Depth of completed well 2190 feet Rotary X / Cable Tools     
Water strata depth: Fresh 130 feet; Salt 1300 feet  
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 2067-69 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 10 Mcf/d Final open flow 1/2 Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 600 psig (surface measurement) after 48 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation    Pay zone depth    feet  
Gas: Initial open flow    Mcf/d Oil: Initial open flow    Bbl/d  
Final open flow    Mcf/d Oil: Final open flow    Bbl/d  
Time of open flow between initial and final tests    hours  
Static rock pressure    psig (surface measurement) after    hours shut in

JUL 28 1986  
(Continue on reverse side)

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

*Berea*

Perforated Interval 2067' - 2069' 18 shots  
 Dumped 250 gallons 15% HCL and fractured well with  
 49,500 lbs. 12/20 sand and 858 bbls. water.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	950	
Sand			950	1052	
Shale			1052	1170	
Sand			1170	1198	
Shale			1198	1270	
Sand			1270	1306	
Shale			1306	1374	
Sand			1374	1466	saltwater
Sand and Shale			1466	1576	
Big Injun Sand			1576	1756	saltwater
Shale			1756	2067	
<u>Berea Sand</u>			2067	2070	oil and gas
<u>Shale</u>			2070	TD	
				TD 2190	

(Attach separate sheets as necessary)

Blausser Well Service, Inc.

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Well Operator

By: *James M. Hark* Sec./Treas.

Date: 7/18/86

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

7/85

**RECEIVED**  
DEC 17 1985



1) Date: Dec. 13, 1985  
 2) Operator's Well No. #2 (H. Brookover)  
 3) API Well No. 47 107-1389  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 760' Watershed: Big Run  
 District: Williams 095 County: Wood Quadrangle: Valley Mills 7.5'
- 6) WELL OPERATOR Dennis D. Blausner CODE: 6000 7) DESIGNATED AGENT Stanley K. Wilson  
 Address Blausner Well Service, Inc. Address Route 1, Box 116  
P.O. Box 829, Marietta, OH 45750 Big Springs, WV 26137
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen P. Robinson  
 Address Rt 1, #6 Mt. Pleasant Est. Mineralwells, WV 26150
- 9) DRILLING CONTRACTOR: Name Warren Drilling  
 Address Dexter City, OH 45727
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation   
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Berea 395
- 12) Estimated depth of completed well, 2150' feet  
 13) Approximate strata depths: Fresh, 250' feet; salt, 1430' feet.  
 14) Approximate coal seam depths: n/a Is coal being mined in the area? Yes  / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds <u>by rule 15.05</u>
Fresh water	8 5/8	H-40	24	X		280'	280'	to surface	
Coal									Sizes
Intermediate									Depths set
Production	4 1/2	J-55	9.5	X		2150'	2150'	500'	
Tubing									Perforations: Top Bottom
Lin...									

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-107-1389

December 17 1985  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires December 17, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>MB</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>17210</u>	WPCP: <u>MU</u>	S&E: <u>MU</u>	Other: <u>MU</u>
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]  
 Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.