

CODE

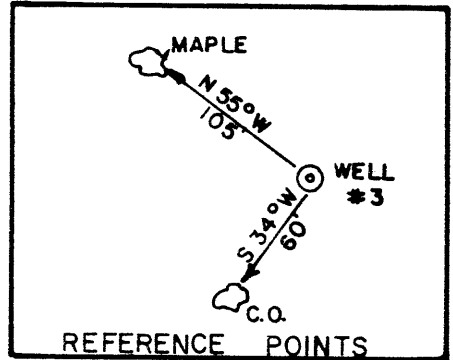
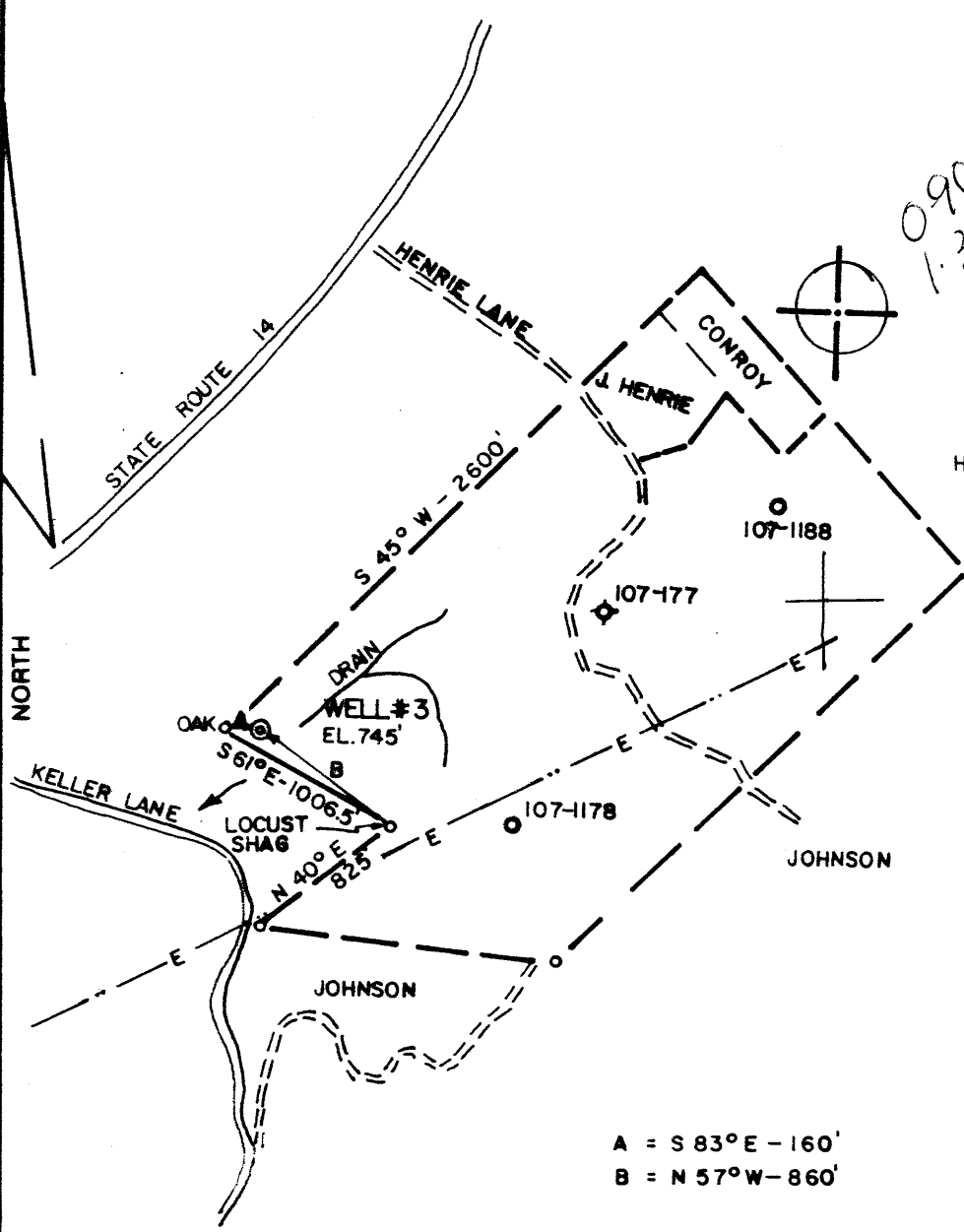
CARD

PLOT

7000' WEST

LATITUDE 39° 22' 30"  
39 25

LONGITUDE 81° 27' 30"  
81 25



A = S 83° E - 160'  
B = N 57° W - 860'

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

FILE NO. 85-544  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200'  
 PROVEN SOURCE OF ELEVATION WELL # 1 (873')

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) [Signature]  
 R.P.E. 3785 L.L.S. \_\_\_\_\_



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE 8/23, 19 85  
 OPERATOR'S WELL NO. 3  
 API WELL NO. 47-107-1376  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 745 WATER SHED OHIO RIVER  
 DISTRICT WILLIAMS COUNTY WOOD  
 QUADRANGLE VALLEY MILLS 7.5' 650 073 Marietta WC4  
 SURFACE OWNER VIOLET HENRIE ACREAGE 145  
 OIL & GAS ROYALTY OWNER RALPH HENRIE LEASE ACREAGE 145

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 2100'  
 WELL OPERATOR BLAISER WELL SERVICE, INC. DESIGNATED AGENT STANLEY K. WILSON  
 ADDRESS 507-2ND ST. MARIETTA, OH 46750 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

SEP 16 1985

COUNTY NAME PERMIT



IV-35 FEB 25 1986  
(Per 8-81)

Date January 31, 1986  
Operator's  
Well No. #3  
Farm V. Henrie  
API No. 47 - 107 - 1376

State of West Virginia  
Department of Mines  
Oil and Gas Division

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 X / Underground Storage    / Deep    / Shallow    /)

LOCATION: Elevation: 745 Watershed Ohio River  
District: Williams County Wood Quadrangle Valley Mills

COMPANY Blauser Well Service, Inc.  
ADDRESS Marietta, OH 45750  
DESIGNATED AGENT Stanley K. Wilson  
ADDRESS Big Springs, WV 26137  
SURFACE OWNER Violet Henrie  
ADDRESS Route 1, Williamstown, WV 26187  
MINERAL RIGHTS OWNER Violet Henrie  
ADDRESS Route 1, Williamstown, WV 26187  
OIL AND GAS INSPECTOR FOR THIS WORK Glen  
Robinson ADDRESS Mineralwells, WV  
PERMIT ISSUED September 3, 1985  
DRILLING COMMENCED September 25, 1985  
DRILLING COMPLETED September 29, 1985  
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	257	257	85 sx
7			
5 1/2			
4 1/2	2119	2119	120 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2051 feet  
Depth of completed well 2153 feet Rotary X / Cable Tools     
Water strata depth: Fresh 100 feet; Salt 1561 feet  
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 2051 feet  
Gas: Initial open flow 1 Mcf/d Oil: Initial open flow -- Bbl/d  
Final open flow (11) Mcf/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 620 psig (surface measurement) after 72 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

MAR 10 1986  
(Continue on reverse side)

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

Perforated interval 2052' to 2054' with 14 shots

Fractured well with 48,000 lbs. 12/20 mesh sand and 809 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	800	
Shale			800	903	
Sand			903	1026	
Shale			1026	1054	
Sand			1054	1098	
Shale			1098	1160	
Sand			1160	1176	
Shale			1176	1209	
Sand			1209	1226	
Shale			1226	1250	
Sand			1250	1286	
Shale			1286	1452	
Sand			1452	1502	
Shale			1502	1562	
Big Injun Sand			1562	1706	saltwater
Shale			1706	2050	
Berea Sand			2050	2056	gas
Shale			2056	TD	
				TD 2153	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.

Well Operator

By: Andrew M. Hurl

Date: 1/31/86

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 ... in the drilling of a well."

**RECEIVED**  
SEP 3 1985



1) Date: August 28, 19 85  
 2) Operator's Well No. #3 (v. Henrie)  
 3) API Well No. 47 107-1376  
 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 X / Gas X /  
 B (If "Gas", Production X / Underground storage            / Deep            / Shallow           )
- 5) LOCATION: Elevation: 745' Watershed: Ohio River  
 District: Williams County: Wood Quadrangle: Valley Mills
- 6) WELL OPERATOR Blausner Well Serv. CODE: 6000 7) DESIGNATED AGENT Stanley K. Wilson  
 Address P.O. Box 829 Inc. 095 Address Route 1, Box 116  
Marietta, OH 45750 Big Springs, WV 26137
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen Robinson  
 Address Route 1, #6 Mt. Pleasant Est. Mineralwells, WV 26150
- 9) DRILLING CONTRACTOR: Name Putnam Drilling  
 Address Mile Run Road Marietta, OH 45750
- 10) PROPOSED WELL WORK: Drill X / 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, 2250 feet
- 13) Approximate strata depths: Fresh, 40 feet; salt, 1550 feet.
- 14) Approximate coal seam depths: -- Is coal being mined in the area? Yes            / No X

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
Fresh water	8 5/8	H-40	24	X		250'	250'	to surface	
Coal									Sizes
Intermediate									
Production	4 1/2	J-55	9.5	X		2250'	2250'	500'	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-107-1376 Date September 3 19 85

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 September 3, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>16447</u>	WRCP: <u>[Signature]</u>	S&E: <u>[Signature]</u>	Other: <u>          </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.