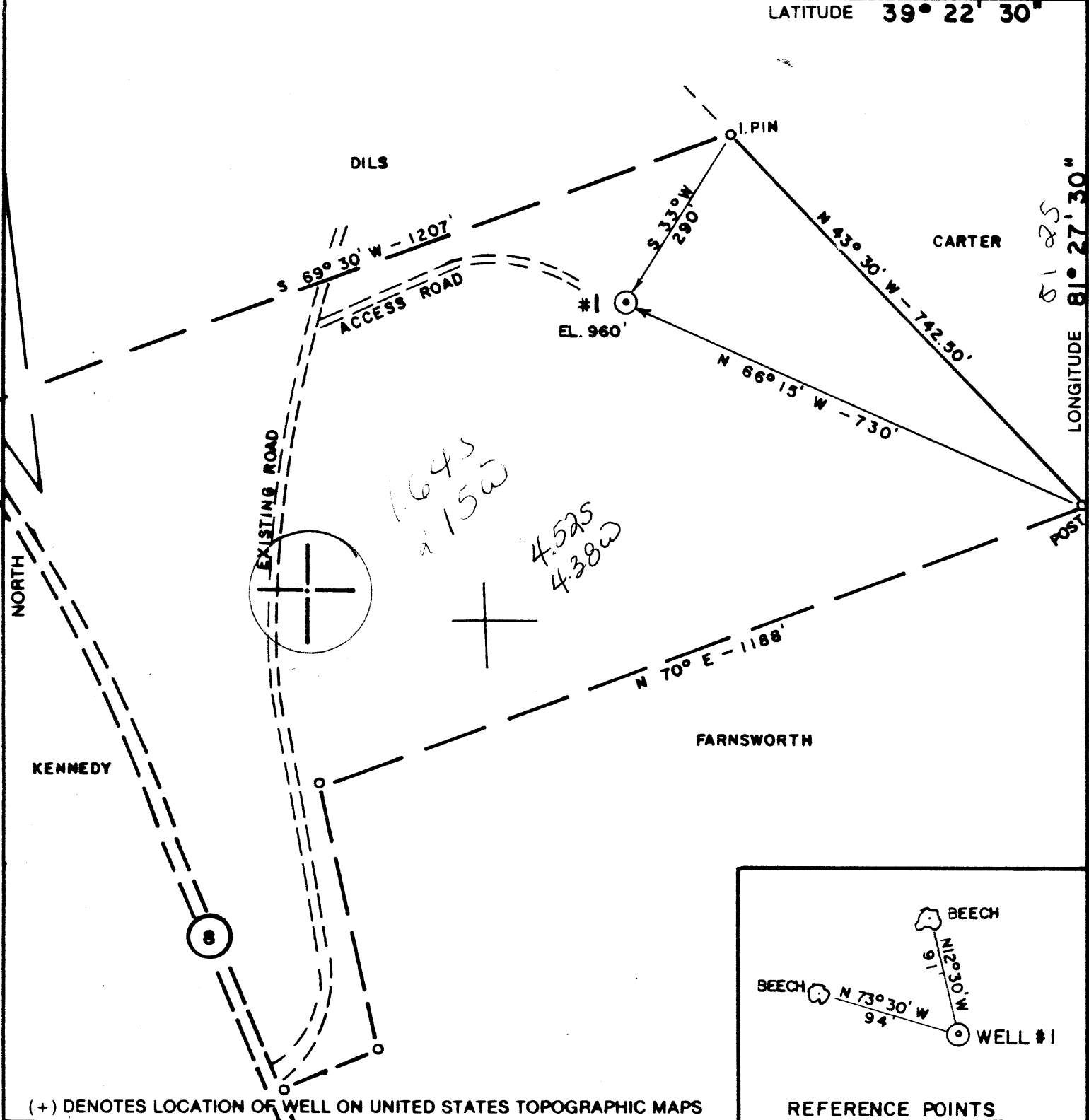


MS 12-24-85

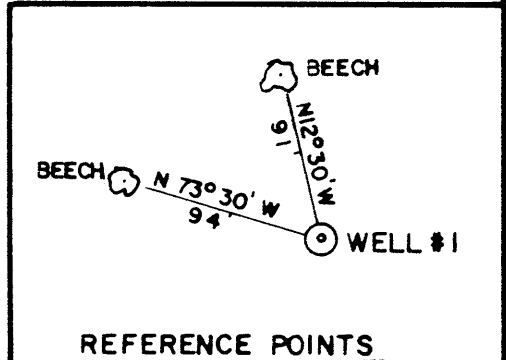
CODE \_\_\_\_\_ CARD \_\_\_\_\_ PLOT 11,320 WEST

LATITUDE 39° 22' 30"

LONGITUDE 81° 27' 30"



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



FILE NO. 85-803

DRAWING NO. \_\_\_\_\_

SCALE 1" = 200'

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) John 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. 1

API WELL NO. 47-107-1393

STATE COUNTY PERMIT

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

LOCATION: ELEVATION 960 WATER SHED BIG RUN

DISTRICT WILLIAMS 0 COUNTY WOOD

QUADRANGLE VALLEY MILLS 7.5' 650 073 WC & Marietta

SURFACE OWNER R. LEAVITT ACREAGE 19.10

OIL & GAS ROYALTY OWNER R. LEAVITT LEASE ACREAGE 19.10

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 2300'

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

COUNTY NAME PERMIT

RECEIVED  
SEP 10 1986



IV-35  
(Rev 8-81)

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

Date September 5, 1986  
Operator's  
Well No. #1  
Farm R. Leavitt  
API No. 47 - 107 - 1393

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: 960' Watershed Big Run  
District: Williams County Wood Quadrangle Valley Mills

COMPANY Blausler Well Service, Inc.  
ADDRESS Marietta, OH 45750  
DESIGNATED AGENT Stanley K. Wilson  
ADDRESS Big Springs, WV 26137  
SURFACE OWNER Ralph Leavitt  
ADDRESS Parkersburg, WV 26101  
MINERAL RIGHTS OWNER same  
ADDRESS      
OIL AND GAS INSPECTOR FOR THIS WORK Glen  
Robinson ADDRESS Mineralwells, WV  
PERMIT ISSUED December 26, 1985  
DRILLING COMMENCED January 4, 1986  
DRILLING COMPLETED January 11, 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	364.32'	364.32'	surface
7			
5 1/2			
4 1/2	2707'	2707'	295 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2600 feet  
Depth of completed well 2707 feet Rotary x / Cable Tools      
Water strata depth: Fresh 350 feet; Salt 1300 feet  
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 2580 feet  
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow (5) Mcf/d Final open flow none Bbl/d  
Time of open flow between initial and final tests 24 hours  
Static rock pressure 500 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Berea Pay zone depth 2268 feet  
Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d  
Final open flow (15) Mcf/d Oil: 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

POF for well  
20 mcf  
+ 180

SEP 15 1986

(Continue on reverse side)

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

31 perforations from 2580 - 2595 (Gordon)  
Dump 250 gal. 15% HCL and frac Gordon with 825 bbls. H<sub>2</sub>O  
and 45,000 lbs. 20/40 mesh sand

Frac baffle at 2530'

Berea perforated interval 2269 - 2273 with 17 shots  
Dump 250 gal. 15% HCL and frac with 608 bbls. treated  
fluid and 25,200 lbs. 10/20 sand

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 & Shale			1000	1150	
Sand			1150	1264	saltwater
Shale			1264	1378	
Sand			1378	1396	saltwater
Shale			1396	1474	
Sand			1474	1496	saltwater
Sand & Shale			1496	1690	
Sand			1690	1700	
Shale			1700	1722	
Sand			1722	1732	
Shale			1732	1790	
Big Injun Sand			1790	1888	saltwater
Shale			1888	2240	
Coffee Shale			2240	2268	
Berea Sand			2268	2272	oil & gas
Shale			2272	2580	
Gordon Sand ✓			2580	2594	gas
Shale			2594	TD	
				TD 2707	

(Attach separate sheets as necessary)

Blausler Well Service, Inc.

Well Operator

By: Andrew M. Hude Sec./Treas.

Date: Sept. 5, 1986

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."

**RECEIVED**  
SEP 10 1986

Date: Sept. 5, 86

Operator's Well No. #1 (R. Leavitt)

API Well No. 47 - 107 - 1393  
State County Permit

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT  
OF  
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Blausier Well Service, Inc.  
Address P.O. Box 829  
Marietta, OH 45750

DESIGNATED AGENT Stanley K. Wilson  
Address Route 1, Box 116  
Big Springs, WV 26137

GEOLOGICAL TARGET FORMATION: Gordon Depth 2580 feet  
Perforation Interval 2580 - 2595 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA			
START OF TEST-DATE <u>7/15/86</u>	TIME <u>9:30 am</u>	END OF TEST-DATE <u>7/16/86</u>	TIME <u>9:30 am</u>
DURATION OF TEST <u>24 hours</u>			
TUBING PRESSURE <u>n/a</u>	CASING PRESSURE <u>600 psig</u>	SEPARATOR PRESSURE <u>n/a</u>	SEPARATOR TEMPERATURE <u>--</u>
OIL PRODUCTION DURING TEST <u>1/2</u> bbls.	GAS PRODUCTION DURING TEST <u>20</u> Mcf	WATER PRODUCTION DURING TEST & SALINITY <u>--</u> bbls. <u>--</u> ppm.	
OIL GRAVITY <u>45</u> °API	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) <u>flowing</u>		

GAS PRODUCTION		
MEASUREMENT METHOD FLANGE TAP <input type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>	POSITIVE CHOKE <input type="checkbox"/> CRITICAL FLOW PROVER <input checked="" type="checkbox"/>	
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN. <u>1/8</u>
DIFFERENTIAL	STATIC	GAS GRAVITY (Air-1.0) MEASURED ESTIMATED <u>65</u>
GAS GRAVITY (Air-1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE <u>60</u> °F
24 HOUR COEFFICIENT	24 HOUR COEFFICIENT	
PRESSURE - <u>59</u> psia		

TEST RESULTS			
DAILY OIL <u>1/2</u> bbls.	DAILY WATER <u>--</u> bbls.	DAILY GAS <u>20</u> Mcf.	GAS-OIL RATIO <u>40,000</u> SCF/STB

Blausier Well Service, Inc.  
Well Operator  
By: Andrew M. Hark  
Secretary/Treasurer

**RECEIVED**  
DEC 26 1985



1) Date: Dec. 13, 1985  
 2) Operator's Well No. #1 (R. Leavitt)  
 3) API Well No. 47 107-1393  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow )
- 5) LOCATION: Elevation: 960' Watershed: Big Run  
 District: Williams 095 County: Wood Quadrangle: Valley Mills 7.5'
- 6) WELL OPERATOR Dennis D. Blauser CODE: 6000 7) DESIGNATED AGENT Stanley K. Wilson  
 Address Blauser 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, 2300' feet  
 13) Approximate strata depths: Fresh, 320' feet; salt, 1500' 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
Fresh water	8 5/8	H-40	24	X		350'	350'	to surface	<i>by rule 15.05</i>
Coal									Sizes
Intermediate									<i>as needed</i>
Production	4 1/2	J-55	9.5	X		2300'	2300'	500'	<i>open to cover salt sands.</i>
Tubing									Perforations:
Lin...									Top Bottom

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-107-1393 Date December 26 1985

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 26, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

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

*John H. Johnston by Margaret J. Hassel*  
 Director, Division of Oil and Gas