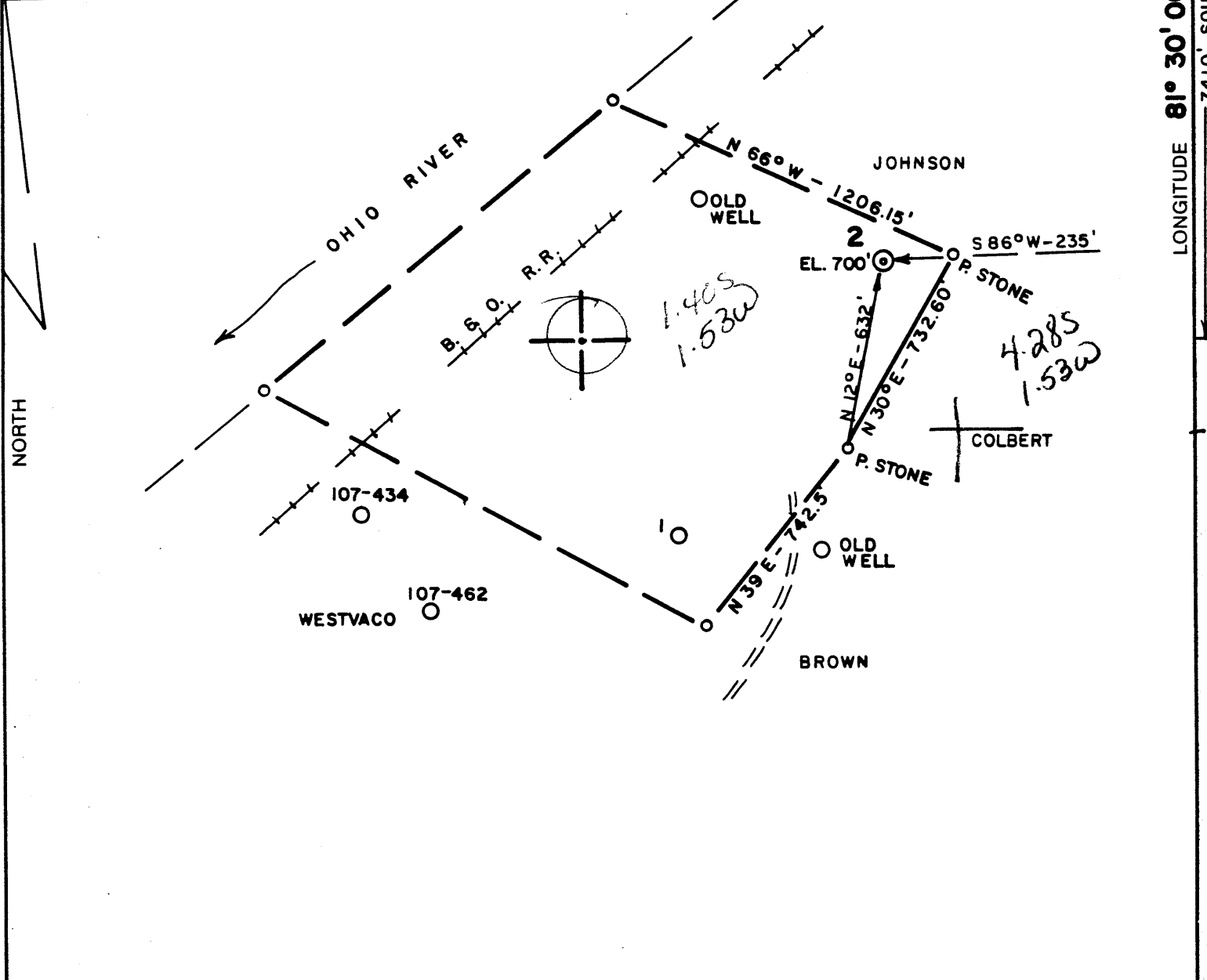


LATITUDE **39° 22' 30"**  
39° 25'

LONGITUDE **81° 30' 00"**  
7410'



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

FILE NO. **84-348**  
DRAWING NO. \_\_\_\_\_  
SCALE **1" = 500'**  
MINIMUM DEGREE OF ACCURACY **1' / 200'**  
PROVEN SOURCE OF ELEVATION **B.M. ON R.R. (626')**

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. **3788** L.L.S. \_\_\_\_\_



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

DATE **6/20**, 19 **84**  
OPERATOR'S WELL NO. **2**  
API WELL NO. **47-107-1319**

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

LOCATION: ELEVATION **507.700** WATER SHED **OHIO RIVER**  
DISTRICT **WILLIAMS** COUNTY **WOOD**  
QUADRANGLE **PARKERSBURG 7.5' S32** Parkersburg **047** E.C.G.

SURFACE OWNER **C. R. NEALE** ACREAGE **50.71**  
OIL & GAS ROYALTY OWNER **C. R. NEALE** LEASE ACREAGE **50.71**  
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** **695** ESTIMATED DEPTH **2200'**  
WELL OPERATOR **BLAUSER WELL SERVICE** DESIGNATED AGENT **STANLEY WILSON**  
ADDRESS **P. O. BOX 829** ADDRESS **BIG SPRINGS, WV 26137**  
**MARIETTA, OH 45750**

FORM IV-6 (8-78) H.T. HALL

COUNTY NAME \_\_\_\_\_ PERMIT \_\_\_\_\_

# RECEIVED

MAY 9 - 1985



IV-35  
(Rev 8-81)

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 5-1-85  
Operator's \_\_\_\_\_  
Well No. 2  
Farm C.R. Neale  
API No. 47 - 107 - 1319

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: 700 <sup>500'</sup> Watershed Ohio River  
District: Williams County Wood Quadrangle Parkersburg 7.5

COMPANY Blausser Well Service, Inc.  
ADDRESS P. O. Box 829 Marietta, Ohio 45750  
DESIGNATED AGENT Stanley K. Wilson  
ADDRESS Rt. #1 Box 116 Big Springs, WV 26137  
SURFACE OWNER C.R. Neale  
ADDRESS Route #10, Box 8, Parkersburg, WV 26101  
MINERAL RIGHTS OWNER same  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Glen Robinson  
ADDRESS Rt. #6 Mt. Pleasant Est. Mineral Wells, WV 26150  
PERMIT ISSUED October 2, 1984  
DRILLING COMMENCED November 2, 1984  
DRILLING COMPLETED November 6, 1984  
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 ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	260	260	to surf
7			
5 1/2			
4 1/2	2026	2026	500
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1946 feet  
Depth of completed well 2047 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 40 feet; Salt 1480 feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? \_\_\_\_\_

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1946 feet  
Gas: Initial open flow 65 Mcf/d Oil: Initial open flow 7 Bbl/d  
Final open flow 65 Mcf/d Final open flow 7 Bbl/d  
Time of open flow between initial and final tests 24 hours

Static rock pressure 680 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

(Continue on reverse side)

MAY 20 1985

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

Perforated Berea from 1946 - 1952

Fractured well with 50,000 lb 20/40 sand  
6,700 lb 10/20 sand  
in 800 bbl 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 & Shale			0	500	
Shale			500	836	
Sand			836	938	
Shale			938	958	
Sand			958	1008	
Shale			1008	1066	
Sand			1066	1092	
Shale			1092	1168	
Sand			1168	1200	
Shale			1200	1370	
Sand			1370	1434	
Shale			1434	1480	
Big Injun			1480	1571	Salt Water
Shale			1571	1902	
Coffee Shale			1902	1946	
<u>Berea</u>			1946	1952	Oil, Gas
Devonian Shale			1952	<del>2046</del> TD	
				Berea TD	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.  
Well Operator

By: Andrew M. Huck

Date: 5-6-95

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."



1) Date: August 9, 19 84  
 2) Operator's Well No. C. R. Neale #2  
 3) API Well No. 47 - 107 - 1319  
 State            County            Permit           

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

- 4) WELL TYPE: A Oil X / Gas X /  
 B (If "Gas", Production X / Underground storage            / Deep            / Shallow X /)
- 5) LOCATION: Elevation: 500' Watershed: Ohio River  
 District: Williams County: Wood Quadrangle: Parkersburg 7.5'
- 6) WELL OPERATOR Blauser Well Service, Inc. 7) DESIGNATED AGENT Stanley K. Wilson  
 Address P.O. Box 829 Address Route 1, Box 116  
Marietta, OH 45750 Big Springs, WV 26137
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Glen P. Robinson Name Haight, Inc.  
 Address Route 1 #6, Mt. Pleasant Est. Address 4424 Emerson Avenue  
Mineralwells, WV 26150 Parkersburg, WV 26101
- 10) PROPOSED WELL WORK: Drill X / Drill deeper            / Redrill            / Stimulate X /  
 Plug off old formation            / Perforate new formation            /  
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Berea  
 12) Estimated depth of completed well, 2000 feet  
 13) Approximate trata depths: Fresh, 40 feet; salt, 1300 feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM

**RECEIVED**  
 AUG 20 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	16"				X	50'	50'	--	Kinds
Fresh water									
Coal									Sizes
Intermediate	7"	H-40	17#			250'	250'	250 SX	CTS NEAT Depths set as required by rule 15.01
Production	4 1/2"	J-55	9.5	X		2000'	2000'	130 SX	
Tubing									Perforations
Liners									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-107-1319 Date October 2, 19 84

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 October 2, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u> <u>19</u>	Agent: <u>LO</u>	Plat: <u>MW</u>	Casing: <u>MP</u>	Fee: <u>013-980</u>
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Margaret J. Hassi  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

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

File