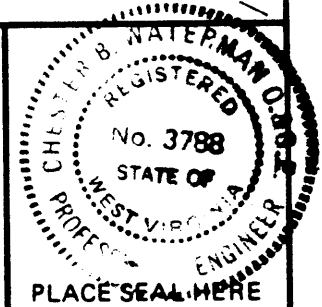


FILE NO. **83-606**
 DRAWING NO. _____
 SCALE **1" = 200'**
 MINIMUM DEGREE OF ACCURACY **1" / 200'**
 PROVEN SOURCE OF ELEVATION **USBM ON R.R. (612')**

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) *Chas Waterman*
 R.P.E. **3788** L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE **10/25**, 19 **83**
 OPERATOR'S WELL NO. **2**
 API WELL NO. **47 - 107 - 1305**
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION **615'** WATER SHED **OHIO RIVER**
 DISTRICT **WILLIAMS** COUNTY **WOOD**
 QUADRANGLE **PARKERSBURG 7-S 4-15' EC**
 SURFACE OWNER **BROCKWAY GLASS CO., INC.** ACREAGE **21.42**
 OIL & GAS ROYALTY OWNER **BROCKWAY GLASS CO., INC.** LEASE ACREAGE **21.42**
 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 **2100'**
 WELL OPERATOR **BLAUSER WELL SERVICE** DESIGNATED AGENT **STANLEY WILSON**
 ADDRESS **P. O. BOX 829 MARIETTA, OH 45750** ADDRESS **BIG SPRINGS, WV 26137**
 JAN 3 1984

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APR 13 1984



Date 4-16-84

Operator's

Well No. #2

Farm Brockway Glass Co., Inc.

API No. 47 - 107 - 1305

IV-35
(Rev 8-81)

OIL & GAS DIVISION

DEPT. OF MINES State of West Virginia
Department of Mines
Oil and Gas Division

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MAY 11 1984
OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 615 Watershed Ohio River
District: Williams County Wood Quadrangle

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 Owen of Illinois

ADDRESS Route One-Box 13, Parkersburg, WV 26101

MINERAL RIGHTS OWNER same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Glen

Robinson ADDRESS Mineral Wells, W. Va.

PERMIT ISSUED 47-107-1305 11-9-83

DRILLING COMMENCED 2-15-84

DRILLING COMPLETED 2-21-84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	92'	92'	
13-10"			
9 5/8	121'	121'	
8 5/8			
7	877'	877' to surface	
5 1/2			
4 1/2	1925'	1925'	1000
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1875' feet

Depth of completed well 1945 feet Rotary x / Cable Tools

Water strata depth: Fresh 23 feet; Salt 350 feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1875' feet

Gas Initial open flow 50 Mcf/d Oil: Initial open flow 7.5 Bbl/d

Final open flow 50 Mcf/d Final open flow 7.5 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 480 psig(surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)(Well on pump)

Second producing formation N/A Pay zone depth N/A feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow N/A Mcf/d Oil: Final open flow N/A Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure N/A psig(surface measurement) after N/A hours shut in

(Continue on reverse side)

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

1875-1881 13 shots

Fractured with 100 gal. 15% HCL + 48,000 lb. sand in J-266 gel system.

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	877	
Shale			877	952	
Sand			952	1004	
Shale			1004	1074	
Sand			1074	1105	
Shale			1105	1250	
Sand			1250	1338	
Shale			1338	1350	
Sand			1350	1370	
Shale			1370	1408	
Big Injun			1408	1538	
Gray Shale			1538	1839	
Coffee Shale			1839	1875	
Berea			1875	1881	Gas and Oil
Ohio Shale			1881	1945	

(Attach separate sheets as necessary)

Blausser Well Service, Inc.

Well Operator

By: Arnos M. Huck

See 19 memo

Date: 4-16-84

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: November 9, 19 83
 2) Operator's Well No. Brockway Glass Co., Inc. # 2
 3) API Well No. 47 - 107 - 1305
 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 Gas
 B: (If "Gas"; Production Underground storage Deep Shallow)
 5) LOCATION: Elevation: 615 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 Rt. #1 Box 116
Marietta, OH 45750 Big Springs, WV 26137
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Tephabock Name Haught, Inc.
 Address Rt. #1, Box 101-A Address 4424 Emerson Ave.
Ripley, WV 25271 Parkersburg, WV 26101
 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
 12) Estimated depth of completed well, 2000 feet
 13) Approximate strata depths: Fresh, 50 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes No

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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLED OR SACKS (Cubic feet)	DEPT. OF MINES
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor								Kinds
Fresh water	8 5/8		20#	X		300	300	cement to surface by rule
Coal								Sizes <u>15.05</u>
Intermediate								Depths set
Production	4 1/2	K55	10#	X		2000	2000	150 sks
Tubing								or as req by rule 15.01
Liners								Perforations:
								Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1305 Date December 30, 1983

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 30, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1101</u>
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Margaret J. Lash
 Administrator, Office of Oil and Gas