

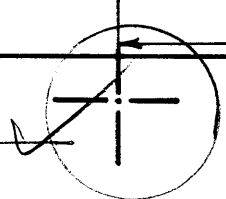
55 12-17-85

9580' WEST

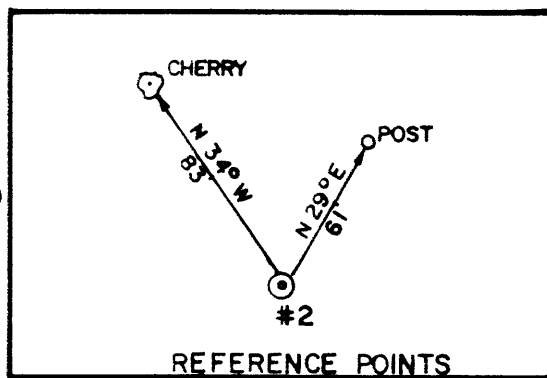
39 25

LATITUDE 39° 22' 30"

CARD PLOT

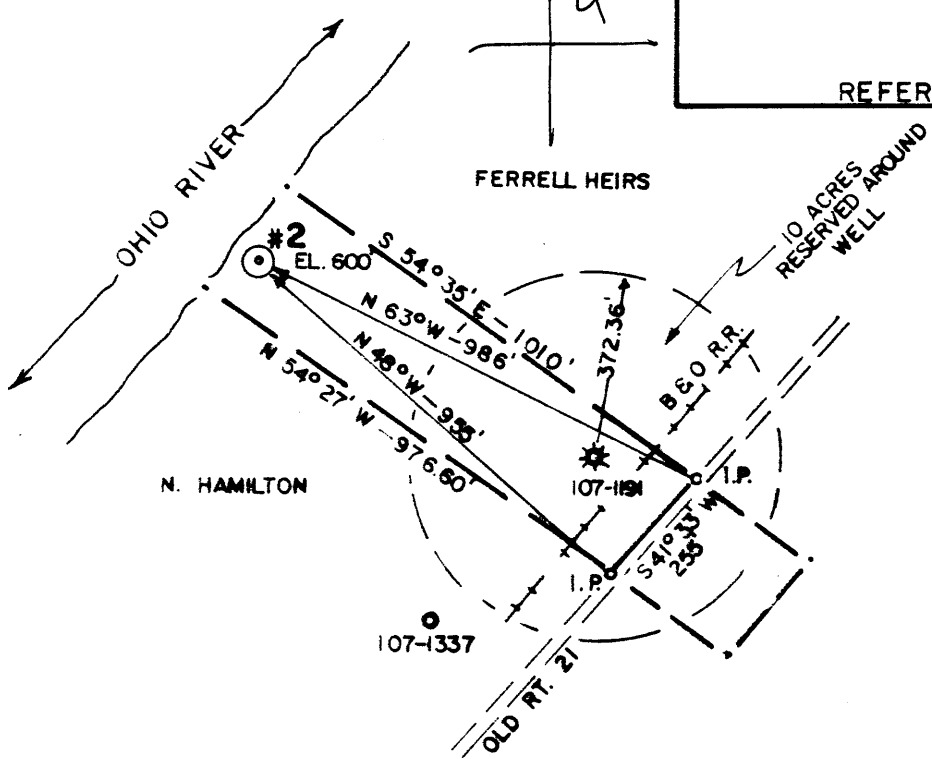


0.095
1.84W



LONGITUDE 81° 27' 30"

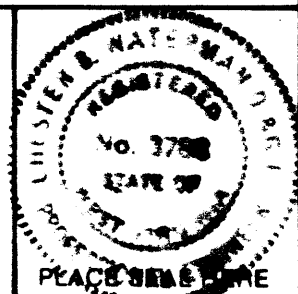
NORTH



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

FILE NO. 85 - 639
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION WELL #1 (601')

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 10/2, 19 85
 OPERATOR'S WELL NO. 2
 API WELL NO. _____

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 STATE 47 COUNTY 107 PERMIT 1390

LOCATION: ELEVATION 600 WATERSHED OHIO RIVER
 DISTRICT WILLIAMS 0 COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7.5' 650 073 WC y Marietta

SURFACE OWNER WALTER REA ACREAGE 7
 OIL & GAS ROYALTY OWNER WALTER REA LEASE ACREAGE 7

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 2400'
 WELL OPERATOR BLAUSER WELL SERVICE DESIGNATED AGENT STANLEY K. WILSON
 ADDRESS 507 - 2ND ST. MARIETTA, OH 48760 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

COUNTY NAME

PERMIT

DEC 30 1985

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IV-35
(Rev 8-81)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 7/18/86
Operator's
Well No. #2
Farm Walter Rea
API No. 47 - 107 - 1390

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: 600' Watershed Ohio River
District: Williams County Wood Quadrangle Valley Mills

COMPANY Blauser Well Service, Inc.
ADDRESS P.O. Box 829, Marietta, Ohio
DESIGNATED AGENT Stanley K. Wilson
ADDRESS Route 1, Box 116, Big Springs, WV
SURFACE OWNER Walter Rea
ADDRESS Route 1, Box 113, Williamstown, 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.			
11 3/4" 13-10"	78'	78'	100 sx
9 5/8			
8 5/8	253'	253'	75 sx
7			
5 1/2			
4 1/2	1941.2'	1941.2'	152 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1862 feet
Depth of completed well 1960 feet Rotary X / Cable Tools
Water strata depth: Fresh 90 feet; Salt 650 feet
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Berea Pay zone depth 1862 feet
Gas: Initial open flow 2 Mcf/d Oil: Initial open flow 1 Bbl/d
Final open flow (50) Mcf/d Final open flow (2) Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 900 psig (surface measurement) after 120 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

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

Perforated Interval ^{Berea} 1862' - 1866' 17 shots
 Dumped 250 gallons 15% HCL acid and fractured well with
 37,500 lbs. 12/20 sand and 738 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	1000	
Shale			1000	1060	
Sand			1060	1106	
Shale			1106	1380	
Big Injun Sand			1380	1486	saltwater
Shale			1486	1862	
<u>Berea</u> Sand			1862	1866	oil and gas
Shale			1866	TD	
				TD 1960	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.
 Well Operator
 By: Arno M. Hich 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."

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1) Date: October 9, 1985
 2) Operator's Well No. #2 (Rea)
 3) API Well No. 47 107-1390
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DIVISION OF OIL & GAS
 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: 600' Watershed: Ohio River
 Dennis D. Blausier, Diggs: Williams 095 County: Wood Quadrangle: Valley Mills 7.5'
- 6) WELL OPERATOR: Blausier Well Serv. CODE: 6000 7) DESIGNATED AGENT: Stanley K. Wilson
 Address: P.O. Box 829 Inc. Marietta, OH 45750 Address: Route 1, Box 116 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 / 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, 2400' feet
 13) Approximate strata depths: Fresh, 40' feet; salt, 1300' 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	11 3/4			X		60'	60'	--	Kinds <u>By rule 15.05</u>
Fresh water	8 5/8	H-40	24	X		250'	250'	to surface	
Coal									Size
Intermediate									
Production	4 1/2	J-55	9.5	X		2000'	2000'	130 SX	Depth <u>to lower salt sands</u>
Tubing									
Liners									Perforations: Top _____ Bottom _____

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1390

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: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing	Fee	WPCP	S&E	Other
<u>mt</u>	<u>SS/me</u>	<u>mt</u>	<u>17037</u>	<u>mt</u>	<u>mt</u>		

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

John Johnston by Margaret Hesse
 Director, Division of Oil and Gas
 File

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