

MS 12-23-85

CODE

CARD

PLAT

10,090' WEST

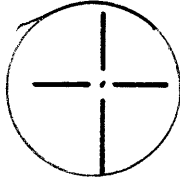
39 25

LATITUDE 39° 22' 30"

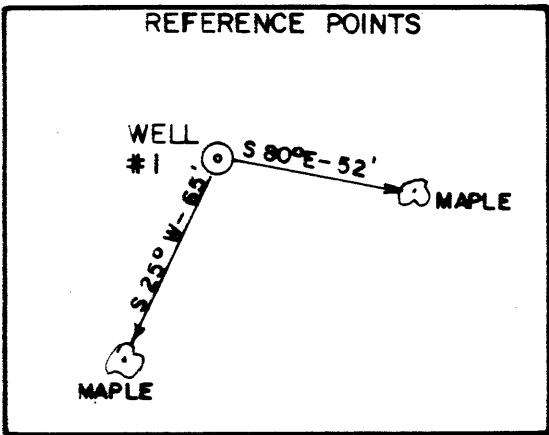
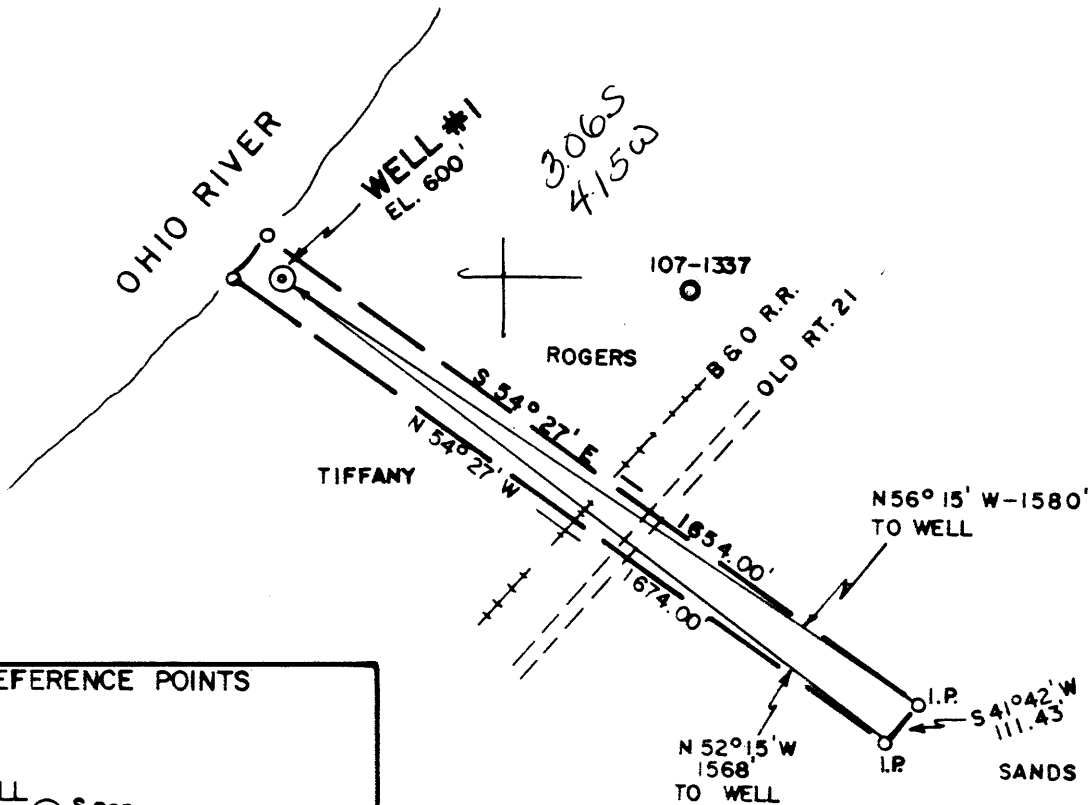
S 0001

81 25
LONGITUDE 81° 27' 30"

NORTH



0185
1920



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

FILE NO. 85-646

DRAWING NO. _____

SCALE 1" = 400'

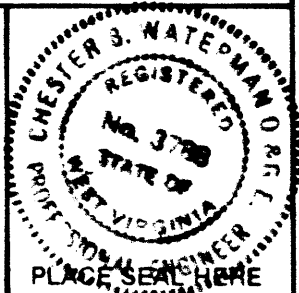
MINIMUM DEGREE OF ACCURACY 1/200'

PROVEN SOURCE OF ELEVATION WELL 1337 (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) Charles W. Wateman

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. 1

API WELL NO. 47-107-1394

STATE COUNTY PERMIT

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

LOCATION: ELEVATION 600 WATER SHED OHIO RIVER

DISTRICT WILLIAMS COUNTY WOOD

QUADRANGLE VALLEY MILLS 7.5' 650 073 Wcy Marietta

SURFACE OWNER SAND HILL UNITED METHODIST CHURCH ACREAGE 4.23

OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 4.23

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' 6-6 Boaz (70) 16-86

WELL OPERATOR BLAUSER WELL SERVICE DESIGNATED AGENT STANLEY K. WILSON

ADDRESS 507-2ND ST. MARIETTA OH 45750 ADDRESS RT. 1, BOX 116 BIG SPRINGS WV 26137

COUNTY NAME

PERMIT

RECEIVED
JUL 21 1986



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date July 18, 1986
Operator's
Well No. #1
Farm Sandhill Un. Methodist Church
API No. 47 - 107 - 1394

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 Sandhill Un. Methodist Church
ADDRESS Route 2, Williamstown, WV
MINERAL RIGHTS OWNER Marie Sands
ADDRESS Route 1, Williamstown, WV
OIL AND GAS INSPECTOR FOR THIS WORK Glen
Robinson ADDRESS Mineralwells, WV
PERMIT ISSUED December 27, 1985
DRILLING COMMENCED April 4, 1986
DRILLING COMPLETED April 10, 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	223.6'	223.6'	80 sx
7			
5 1/2			
4 1/2	1912.49'	1912.49'	260 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1861 feet
Depth of completed well 1931 feet Rotary X / Cable Tools
Water strata depth: Fresh 35 feet; Salt 1250 feet
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1861 feet
Gas: Initial open flow 3 Mcf/d Oil: Initial open flow 1/2 Bbl/d
Final open flow (30) Mcf/d Final open flow (3) Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 240 psig (surface measurement) after 48 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 1860' - 1865' 17 (.49 dia) shots
Acidized with 250 gallons 15% HCL and fractured with
37,500 lbs. 16/30 sand and 920 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	1100	
Shale			1100	1190	
Sand			1190	1260	saltwater
Shale			1260	1380	
Big Injun Sand			1380	1483	saltwater
Shale			1483	1860	
Berea Sand			1860	1866	oil and gas
Shale			1866	TD	
				TD 1931	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.
Well Operator
By: Arno M. Hunt 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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NOV 25 1985



1) Date: October 25, 1985
 2) Operator's Well No. #1 (Sandhill Un. Methodist Church)
 3) API Well No. 47 107-1394 County Permit

DIVISION OF OIL & GAS 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: 600' Watershed: Ohio River
 District: Williams 095 County: Wood Quadrangle: Valley Mills
- 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 Big Springs, WV 26137
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 45750 9) DRILLING CONTRACTOR:
 Name Glen P. Robinson Name Bill Putnam
 Address Rt. 1, #6 Mt. Pleasant Estate Address Mile Run Toad
Mineralwells, WV 26150 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 Sand 395
- 12) Estimated depth of completed well, 2000' 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									Kinds <u>by rule 15.05</u>
Fresh water	8 5/8	H-40	20#	X		250'	250'	to surface	
Coal									Sizes
Intermediate									
Production	4 1/2	H-40	19.5#	X		2000'	2000'	110 SX	Depths set
Tubing									
Lin...									Perforations:
									Top Bottom

**OFFICE USE ONLY
 DRILLING PERMIT**

Permit number 47-107-1394 Date December 27 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 December 27, 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 type="checkbox"/>	Casing <input type="checkbox"/>	Fee <input type="checkbox"/>	WPCP <input type="checkbox"/>	S&E <input type="checkbox"/>	Other <input type="checkbox"/>
	<u>WJ</u>	<u>BS</u>	<u>MX</u>	<u>17037</u>	<u>MX</u>	<u>MX</u>	

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

[Signature]
 Director, Division of Oil and Gas