

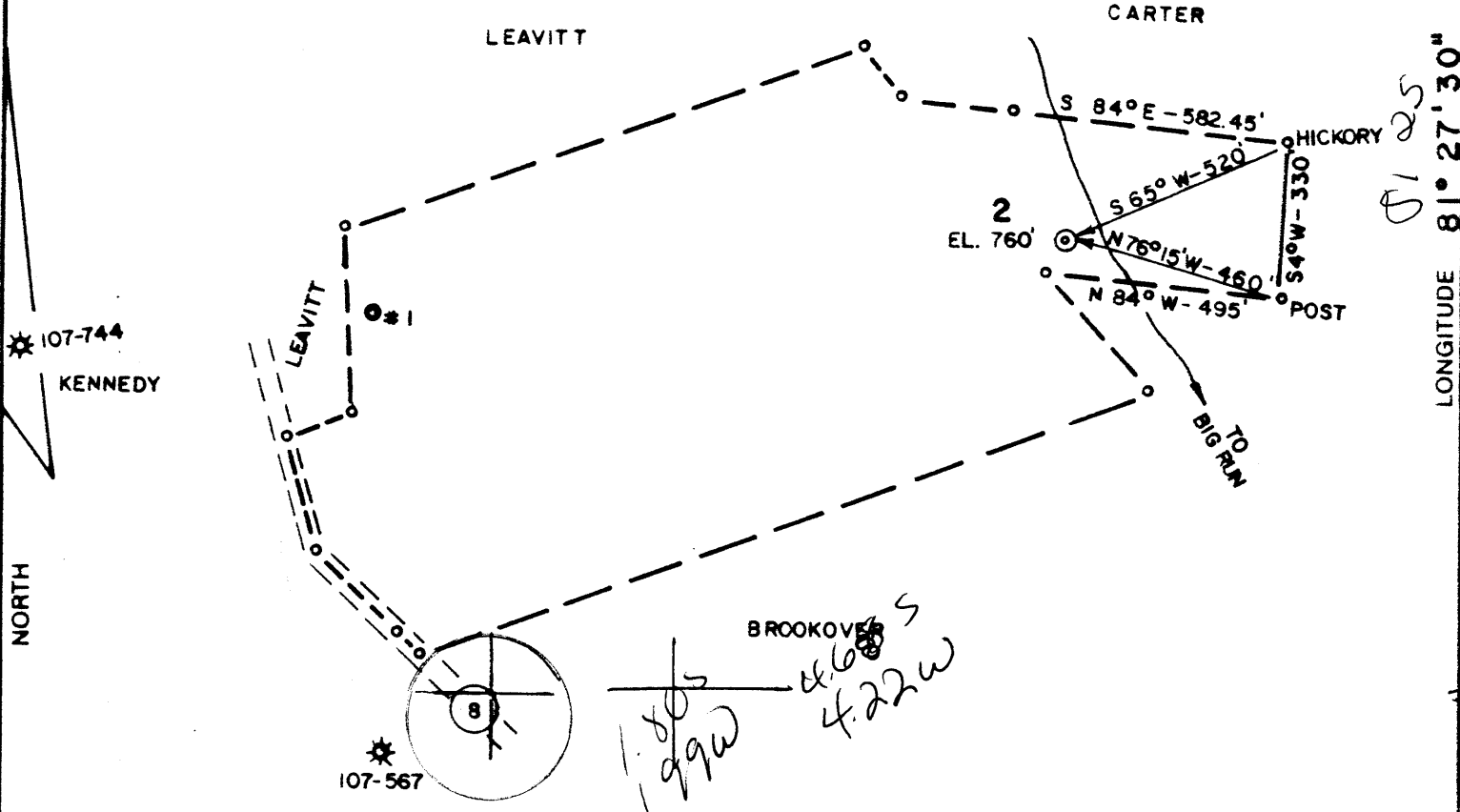
72-17-85

10,560' WEST

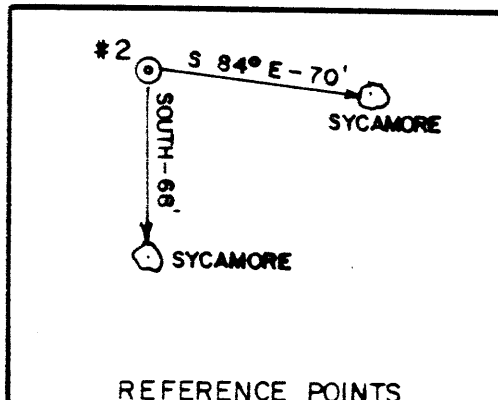
39 25

CODE CARD PLOT

LATITUDE 39° 22' 30"



LONGITUDE 81° 27' 30"



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

REFERENCE POINTS

FILE NO. 85-787
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1' / 200'
 PROVEN SOURCE OF ELEVATION B.M. (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) Chad Waterman
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 12/2
 OPERATOR'S WELL NO. 2
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 760 WATER SHED BIG RUN
 DISTRICT WILLIAMS D COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7.5 650 073 WC 4 Marietta
 SURFACE OWNER F. A. FARNSWORTH ACREAGE 34
 OIL & GAS ROYALTY OWNER F. A. FARNSWORTH LEASE ACREAGE 34

COUNTY NAME

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PERMIT

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2600'
 WELL OPERATOR BLAUSER WELL SERVICE DESIGNATED AGENT STANLEY K. WILSON
 ADDRESS P. O. BOX 829 ADDRESS RT. 1, BOX 116
MARIETTA, OH 45750 BIG SPRINGS, WV 26137

DEC 30 1985

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JUL 21 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 July 18, 1986
Operator's
Well No. #2
Farm F. Farnsworth
API No. 47 - 107 - 1387

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

COMPANY Blausner Well Service, Inc.
ADDRESS P.O. Box 829, Marietta, OH
DESIGNATED AGENT Stanley K. Wilson
ADDRESS Route 1, Box 116, Big Springs, WV
SURFACE OWNER Frederick A. Farnsworth
ADDRESS Route 10, Box 85, Parkersburg, 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 December 27, 1985
DRILLING COMPLETED January 02, 1986
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON n/a

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"			
9 5/8			
8 5/8	303.8'	303.8'	100 sx
7			
5 1/2			
4 1/2	2122'	2122'	250 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2094 feet
Depth of completed well (2194) feet Rotary X / Cable Tools ___
Water strata depth: Fresh 30 feet; Salt 900 feet
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Berea Pay zone depth 2094 - 98 feet
Gas: Initial open flow 5 Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow (15) Mcf/d Final open flow (2) Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 380 psig (surface measurement) after 96 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

(Continue on reverse side)

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

Perforated Interval 2094' - 2098' 17 (.49 dia) shots
Acidized with 250 gallon 15% HCL and fractured well with
54,000 lbs. 12/20 mesh sand and 860 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	888	
Sand			888	892	gas
Shale			892	960	
Sand			960	1082	
Shale			1082	1200	
Sand			1200	1220	
Shale			1220	1300	
Sand			1300	1330	
Sand and Shale			1330	1600	
Big Injun Sand			1600	1758	saltwater
Shale			1758	2094	
Berea Sand			2094	2098	oil and gas
Shale			2098	TD	
				2194 TD	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.

Well Operator

By: *Arms M. Hook*

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
minerals, encountered in the drilling of a well."

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1) Date: December 5, 1985
 2) Operator's Well No. #2 (Farnsworth)
 3) API Well No. 47 107-1387
 State County Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 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: 760' 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 9) DRILLING CONTRACTOR:
 Name Glen P. Robinson Name Putnam Drilling
 Address Route 1, #6 Mt. Pleasant Est. Address Mile Run Road
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 395
 12) Estimated depth of completed well, 2600' feet
 13) Approximate strata depths: Fresh, 280 feet; salt, 1400 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		300'	300'	to surface	<i>by rule 15.05</i>
Coal									Sizes
Intermediate									Depths
Production	4 1/2	J-55	9.5	X		2100'	2100'	500'	<i>to cover salt sands</i>
Tubing									
Lin...									Perforations
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number: 47-107-1387 Date: December 17 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 17, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	<i>ALB</i>	<i>25/MU</i>	<i>MW</i>	<i>17141</i>	<i>MW</i>	<i>MW</i>	

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

[Signature]
 Director, Division of Oil and Gas

File

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