

12-6-85

CODE

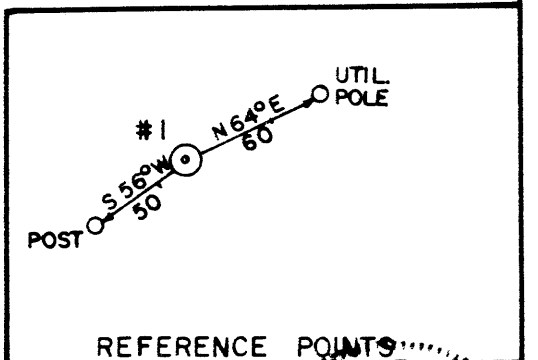
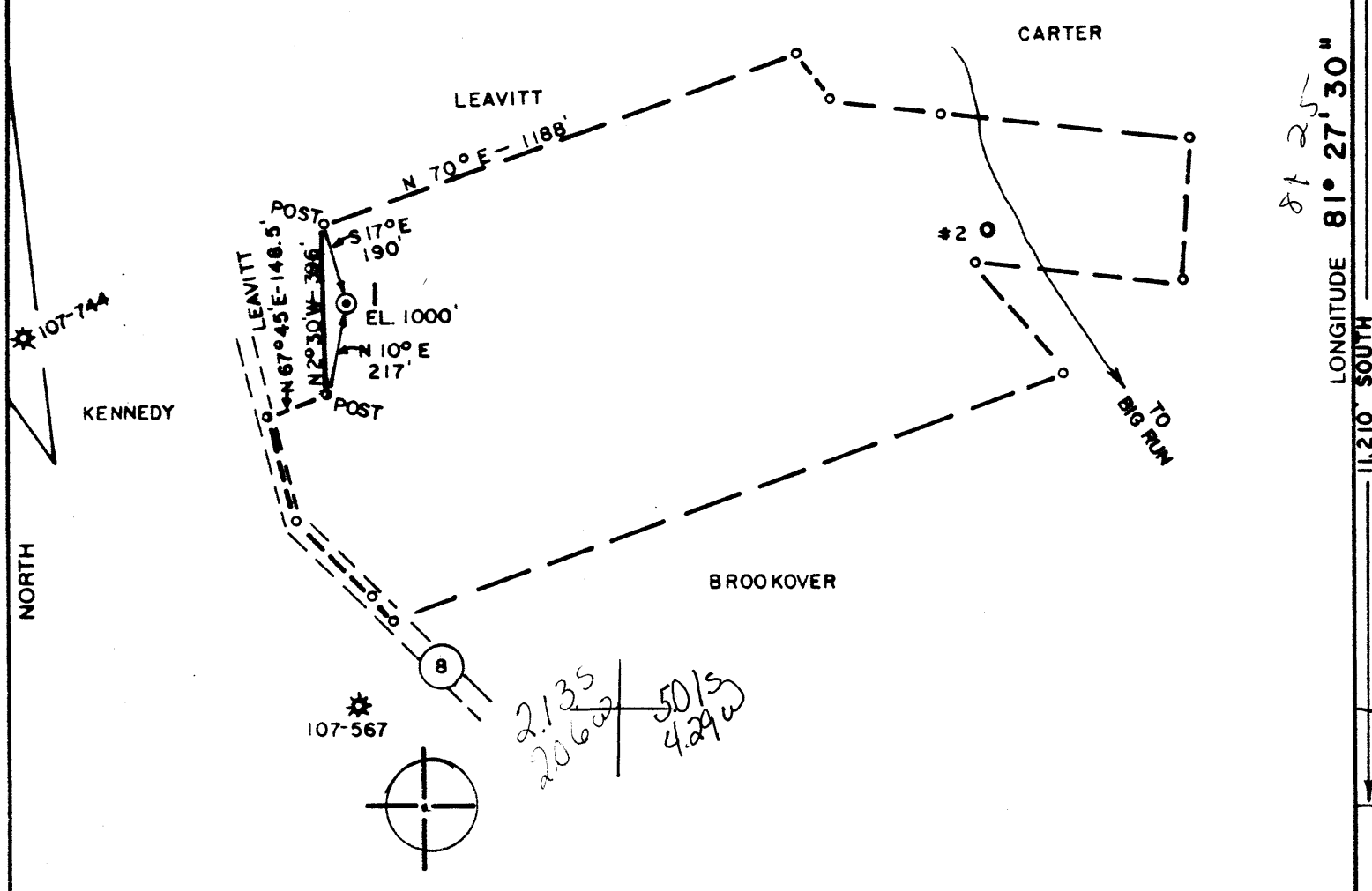
10,800' WEST

39 25

LATITUDE 39° 22' 30"

LONGITUDE 81° 27' 30"

NORTH

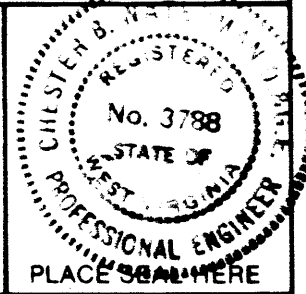


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

REFERENCE POINTS

FILE NO. 85-786
 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) [Signature]
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 12/2, 19 85
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-107-1385
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1000 WATER SHED BIG RUN
 DISTRICT WILLIAMS 0 COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7.5' 630 073 WC4 Marietta

SURFACE OWNER F. A. FARNSWORTH ACREAGE 34
 OIL & GAS ROYALTY OWNER F. A. FARNSWORTH LEASE ACREAGE 34
 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 2600'

WELL OPERATOR BLAUSER WELL SERVICE DESIGNATED AGENT STANLEY K. WILSON
 ADDRESS P. O. BOX 829 095 MARIETTA, OH 45750 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

COUNTY NAME PERMIT

IV-35
(Rev 8-81)

RECEIVED
JUL 21 1986



State of West Virginia
Department of Mines
Oil and Gas Division

Date July 18, 1986
Operator's
Well No. #1
Farm F. Farnsworth
API No. 47 - 107 - 1385

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: 1000' Watershed Big Run
District: Williams County Wood Quadrangle Valley Mills

COMPANY Blausler 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 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 17, 1985
DRILLING COMPLETED December 22, 1985
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	351'	351'	100 sx
7			
5 1/2			
4 1/2	2351.8'	2351.8'	75 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2282 feet
Depth of completed well 2342 feet Rotary X / Cable Tools
Water strata depth: Fresh 120 feet; Salt 1180 feet
Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 2282 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 1/2 Bbl/d
Final open flow 10 Mcf/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 450 psig (surface measurement) after 168 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

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

Perforated Interval ^{Berea} 2282' - 2284' 14 (.49 dia) shots
 Acidized with 250 gallons 15% HCL and fractured well with
 23,500 lbs. 12/20 sand and 646 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	1180	
Sand			1180	1290	
Shale			1290	1400	
Sand			1400	1424	
Shale			1424	1494	
Sand			1494	1522	
Shale			1522	1630	
Sand			1630	1706	saltwater
Shale			1706	1802	
Big Injun Sand			1802	1924	saltwater
Shale			1924	2282	
Berea Sand			2282	2286	oil and gas
Shale			2286	TD	
				TD 2352 - 6 ft m 4 1/2" csg.	

(Attach separate sheets as necessary)

Blausser Well Service, Inc.

Well Operator

By: Ann M. Huk

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."

RECEIVED
DEC - 6 1985



1) Date: December 5, 1985
 2) Operator's Well No. #1 (Farnsworth)
 3) API Well No. 47 107-1385
 State County Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, 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 _____ /)
- 5) LOCATION: Elevation: 1000' 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 Bill Putnam
 Address Route 1, #6 Mt. Pleasant Est. Address Mile Run Road
Mineralwells, WV 26150 Marietta, OH 45750
- 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 395
 12) Estimated depth of completed well, 2600' feet
 13) Approximate strata depths: Fresh, 320 feet; salt, 1600 feet.
 14) Approximate coal seam depths: n/a Is coal being mined in the area? Yes _____ / No X /

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									
Fresh water	8 5/8	H-40	24	X		350'	350'	to surface	Kind: <u>NEAT</u>
Coal									Sizes
Intermediate									
Production	4 1/2	J-55	9.5	X		2200'	2200'	500' - <u>SALT</u>	<u>to cover sands</u>
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1385 Date December 6 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 6, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	<u>ALB</u>	<u>ms m21</u>	<u>7141</u>	<u>bill</u>	<u>ms</u>		

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

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