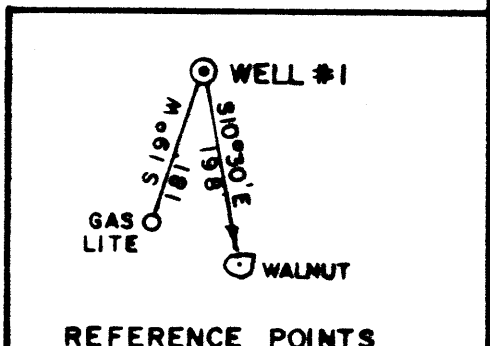
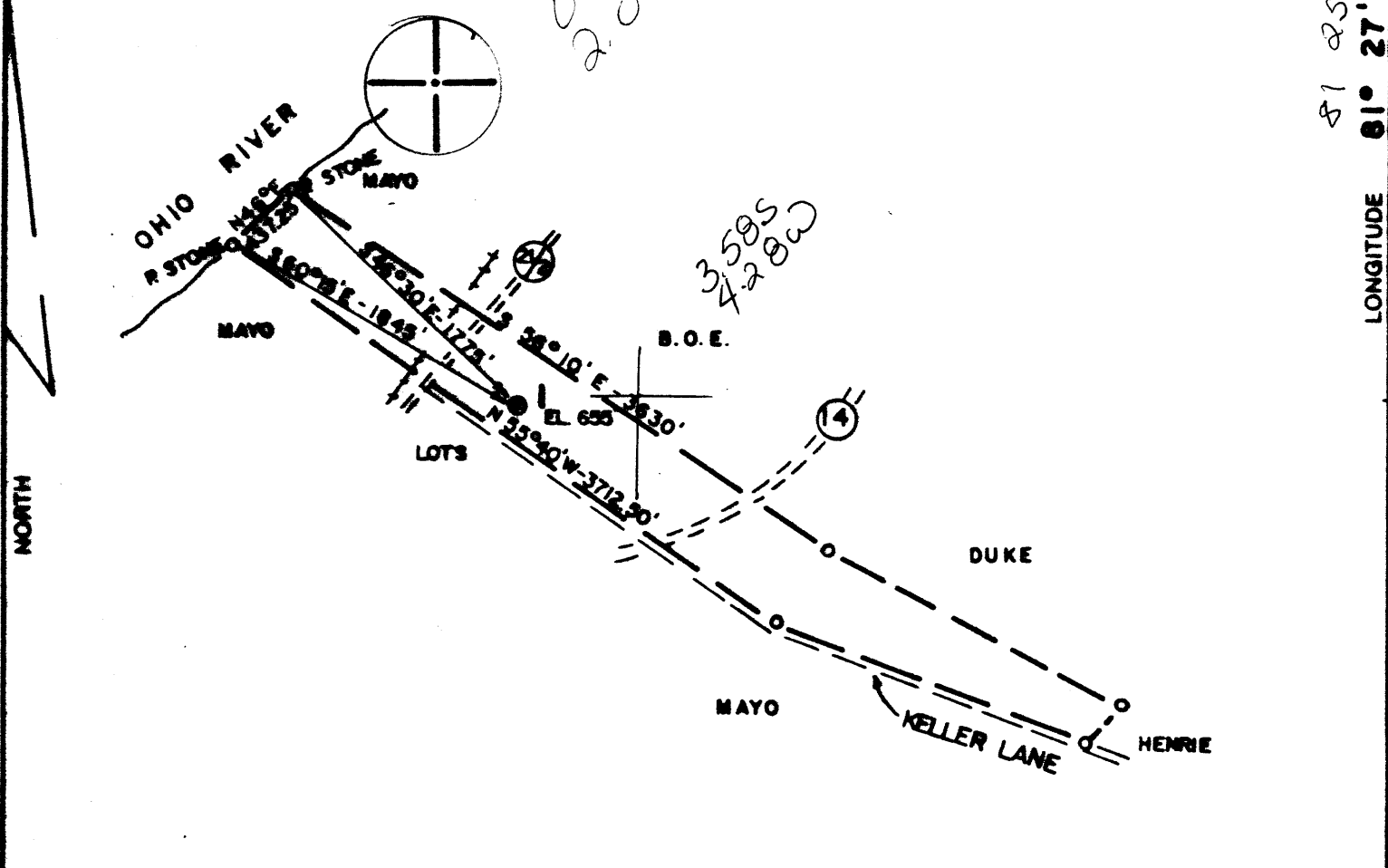


G5 12-20-85

COSE CARE PLOT

10,800' WEST 39 25
LATITUDE 39° 22' 30"

LONGITUDE 81° 27' 30"



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

REFERENCE POINTS

FILE NO. 88-808
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION KELLER LANE (645')

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) *Chester B. Waterman*
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 12/10, 19 88
 OPERATOR'S WELL NO. 1
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 685 WATER SHED OHIO RIVER
 DISTRICT WILLIAMS COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7.5' 650 073 WC4 Marietta
 SURFACE OWNER WOOD CO. BOARD OF EDUCATION ACREAGE 46
 OIL & GAS ROYALTY OWNER WOOD CO. Bd. OF EDUC. LEASE ACREAGE 46

COUNTY NAME PERMIT

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 WV 1A ESTIMATED DEPTH 2000'
 WELL OPERATOR LANIER WELL SERVICE DESIGNATED AGENT STANLEY K. WILSON
 ADDRESS P.O. BOX 829 MARIETTA, OH 45750 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

RECEIVED
JUL 21 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



IV-35
(Rev 8-81)

Date July 18, 1986

Operator's

Well No. #1

State of West Virginia

Department of Mines

Oil and Gas Division

Farm Board of Education

API No. 47 - 107 - 1391

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: 655' Watershed Ohio River

District: Williams County Wood Quadrangle Vatley Mills

COMPANY Blausner 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 Board of Education (c/o Joe

ADDRESS 1210-13th St., Parkersburg, WV Morrison)

MINERAL RIGHTS OWNER same

ADDRESS same

OIL AND GAS INSPECTOR FOR THIS WORK Glen

Robinson ADDRESS Mineralwells, WV

PERMIT ISSUED December 26, 1985

DRILLING COMMENCED January 12, 1986

DRILLING COMPLETED January 17, 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"	124'	124'	
9 5/8"			
8 5/8"	272.4'	272.4'	75 sx
7"			
5 1/2"			
4 1/2"	1989.8'	1989.8'	152 sx
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1919 feet

Depth of completed well 1943 feet Rotary X / Cable Tools

Water strata depth: Fresh 90 feet; Salt 800 feet

Coal seam depths: n/a Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1919-23 feet

Gas: Initial open flow 5 Mcf/d Oil: Initial open flow 0 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 750 psig (surface measurement) after 72 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 ^{Berea} 1919' - 1923' 17 (.49 dia) shots
 Acidized with 250 gallons 15% HCL and fractured well with
 60,000 lbs. 10/20 mesh sand and 921 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	690	
Sand			690	710	
Shale			710	800	
Sand			800	890	
Shale			890	910	
Sand			910	980	saltwater
Sand and Shale			980	1420	
Big Injun Sand			1420	1536	saltwater
Shale			1536	1918	
Berea Sand			1918	1923	oil and gas
Shale			1923	TD	
				TD 1990	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.

Well Operator

By: Howe M. Hark 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 17 1985



1) Date: Dec. 13, 1985
2) Operator's (Board of Education) Well No. #1
3) API Well No. 47 107-1391
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: 655' Watershed: Ohio River
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 Name Glen P. Robinson
Address Rt 1, #6 Mt. Pleasant Est.
Mineralwells, WV 26150
- 9) DRILLING CONTRACTOR: Name Warren Drilling
Address Dexter City, OH 45727
- 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, 2000' feet
- 13) Approximate strata depths: Fresh, 150' feet; salt, 1200' 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									
Fresh water	8 5/8	H-40	24	X		250'	250'	to surface	Kinds <u>by rule 15.05</u>
Coal									Size
Intermediate									
Production	4 1/2	J-55	9.5	X		2000'	2000'	<u>500' or as required to cover soft sands</u>	
Tubing									
Lin...									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1391 Date December 26 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 26, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>JLB</u>	Plat: <u>ES</u>	Casing: <u>MW</u>	Fee: <u>17210</u>	WPCP: <u>MW</u>	S&E: <u>MW</u>	Other: <u>[Signature]</u>
-------------------------------------------	-------------------	-----------------	-------------------	-------------------	-----------------	----------------	---------------------------