

39 25

2100' WEST

REFERENCE POINTS

CODE

CARD

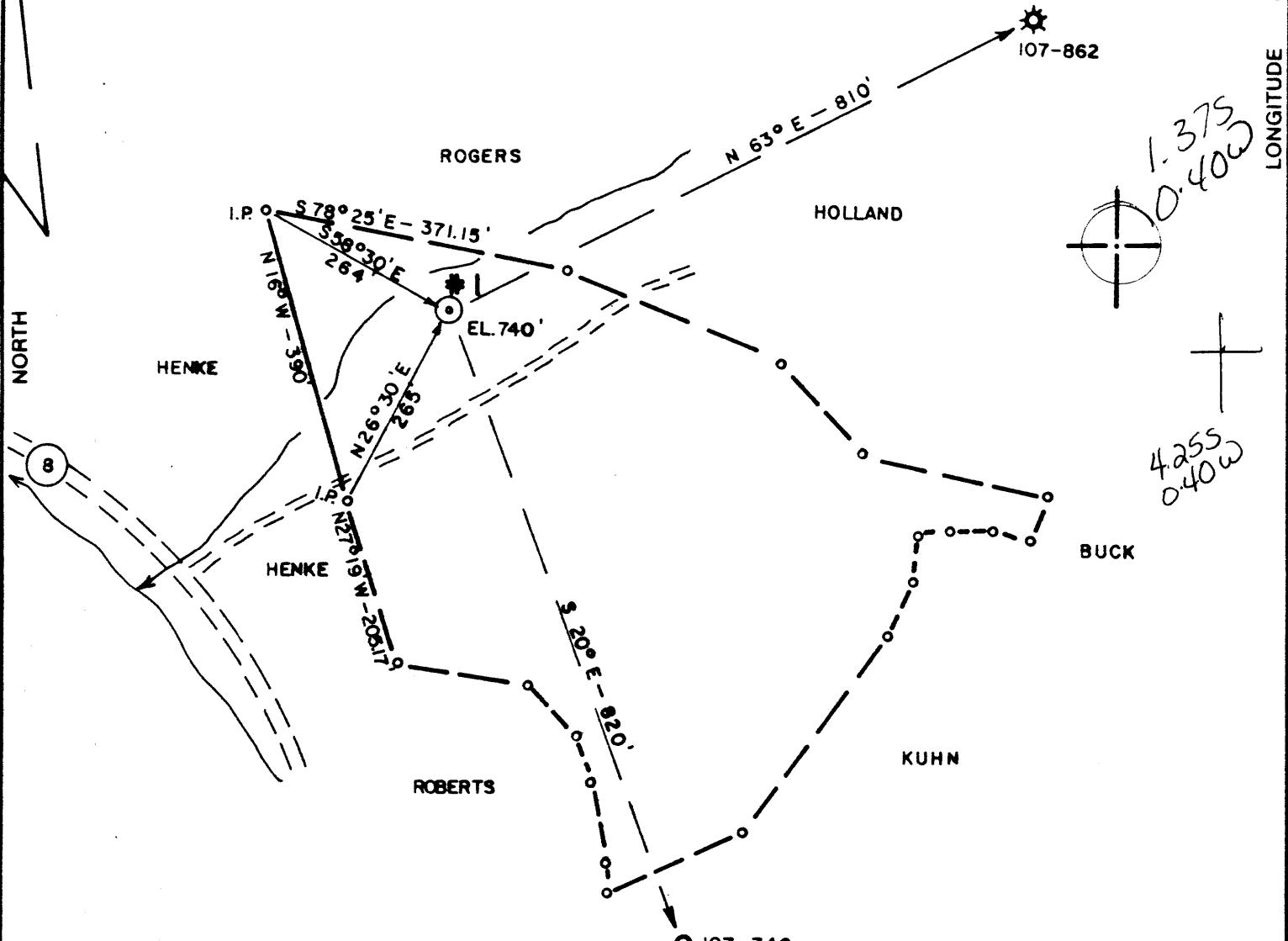
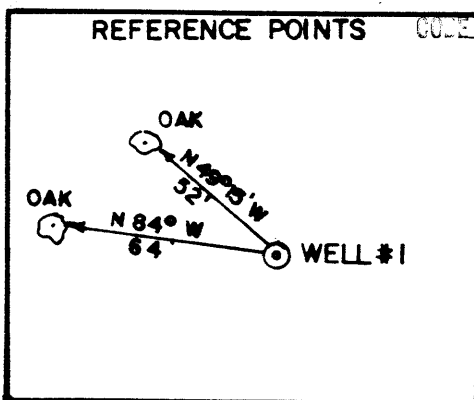
PLOT

LATITUDE

39° 22' 30"

LONGITUDE 81° 30' 00"

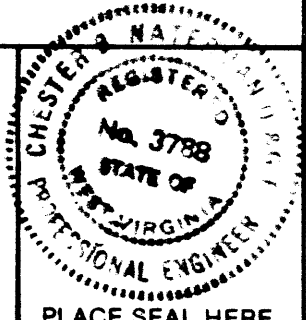
7240' SOUTH



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

FILE NO. 85-647
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION ROAD INT. (890')

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. 1
 API WELL NO. _____

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 740 WATERSHED BRISCOE RUN OF OHIO RIVER
 DISTRICT WILLIAMS COUNTY WOOD
 QUADRANGLE PARKERSBURG 7.5' 532 097 EC6 Parkersburg 15'
 SURFACE OWNER R. D. HENKE ACREAGE 10.159
 OIL & GAS ROYALTY OWNER R. D. HENKE LEASE ACREAGE 10.159

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 095 ESTIMATED DEPTH 2500'
 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

NOV 4 1985



IV-35
(Rev 8-81)

FEB 25 1986

State of West Virginia
Department of Mines
Oil and Gas Division

Date January 31, 1986
Operator's
Well No. #1
Farm R. Henke
API No. 47 - 107 - 1382

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 740' Watershed Ohio River
District: Williams County Wood Quadrangle Parkersburg 7.5

COMPANY Blauser Well Service, Inc.
ADDRESS Marietta, Ohio 45750
DESIGNATED AGENT Stanley K. Wilson
ADDRESS Big Springs, WV 26137
SURFACE OWNER Ralph Henke
ADDRESS Route 10, Parkersburg, WV 26101
MINERAL RIGHTS OWNER Ralph Henke
ADDRESS Route 10, Parkersburg, WV 26101
OIL AND GAS INSPECTOR FOR THIS WORK Glen
Robinson ADDRESS Mineralwells, WV
PERMIT ISSUED October 24, 1985
DRILLING COMMENCED November 8, 1985
DRILLING COMPLETED November 12, 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	253	253	80 sx
7			
5 1/2	2065	2065	75 sx
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1987 feet
Depth of completed well 2086 feet Rotary / Cable Tools
Water strata depth: Fresh 40 feet; Salt 871 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1987 feet
Gas: Initial open flow 3 Mcf/d Oil: Initial open flow Tr. Bbl/d
Final open flow (25) Mcf/d Final open flow (1/4) Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 430 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

MAR 10 1986
(Continue on reverse side)

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

Perforated with 13 shots 1989' - 1992'

Fractured with 250 gal. 15% HCL acid

59,800 lbs 12/20 mesh sand in 855 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 & Shale			0	650'	
Shale			650'	872'	
Sand			872'	986'	
Shale			986'	1108'	
Sand			1108'	1124'	
Shale			1124'	1408'	
Sand			1408'	1425'	
Shale			1425'	1498'	
Sand (Big Injun) ^{RO}			1498'	1612'	saltwater
Shale			1612'	1987'	
Berea			1987'	1994'	oil/gas
Shale			1994'	TD	
				TD 2086	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.

Well Operator

By: Arnold M. Huck

Date: 1/31/86

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."



1) Date: October 10, 19 85
 2) Operator's Well No. #1 (Henke)
 3) API Well No. 47 107-1382
 State _____ County _____ Permit _____

RECEIVED
 OCT 24 1985

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: 740' Watershed: Ohio River
 District: Williams 095 County: Wood Quadrangle: Parkersburg 7.5'
- 6) WELL OPERATOR: Dennis D. Blausen Well Service, Inc. CODE: 6000
 Address: P.O. Box 829 Marietta, OH 45750
- 7) DESIGNATED AGENT: Stanley K. Wilson
 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, 2500' feet
- 13) Approximate trata depths: Fresh, 2 1/4 feet; salt, 1550 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 <i>by rule 15.05</i>
Coal									Sizes
Intermediate									
Production Tubing	4 1/2	J-55	9.5	X		2100'	2100'	500' or less	Deposits <i>as required by rule 15.01</i>
Liners									Perforations: Top _____ Bottom _____

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1382 Date October 24 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 October 24, 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: <u>MUMMN</u>	Casing <u>016-794</u>	Fee <u>mx</u>	WPCP <u>mx</u>	S&E <u>mx</u>	Other
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Margaret J. Hass
 Director, Division of Oil and Gas