



ACCURACY: 1P / 200P

Source of Elevation ROAD AT INT. (763')

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company BLAUSER WELL SERVICE
 Address GLENVILLE, WV
 Farm RAY COTTRIL
 Tract Acres 53 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 905'
 Quadrangle HOLBROOK NW
 County RITCHIE District CLAY
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 7 4003-458 Drawing No. _____
 Date 10 / 2 / 74 Scale 1" = 40P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Rit-3563

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-085



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION
DEPT. OF MINES

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Holbrook

Permit No. RIT-3563

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Blauser Well Service
Address P.O. Box 216, Glenville, WV.
Farm Ray Cottrill Acres 53
Location (waters) Beason Run
Well No. 1 Elev. 905'
District Clay County Ritchie
The surface of tract is owned in fee by Ray Cottrill, et al
Address Pennsboro, WV.
Mineral rights are owned by same
Address _____

Drilling commenced 10/4/74
Drilling completed 11/20/74
Date Shot _____ From _____ To _____
With _____

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume no test Cu. Ft. _____
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) 1,000 bbl. water - 50M Sand

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 1,000 MCF
ROCK PRESSURE AFTER TREATMENT 475 lbs. HOURS 24
Fresh Water 80 Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1785 - 1896

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 5/8	219	219	Depth set
6 3/4			
5 3/16			
4 1/2	1915	1915	Perf. top <u>1785</u>
3			Perf. bottom <u>1896</u>
2			Perf. top _____
Liners Used			Perf. bottom _____

Attach copy of cementing record.
CASING CEMENTED 8 5/8 SIZE 219 No. Ft. 10/11/74 Date
Amount of cement used (bags) 75 sks 1915' - 4 1/2"
Name of Service Co. Lawson 100 sks
COAL WAS ENCOUNTERED AT none FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			Surface	1490			
Shale			1490	1560			
Salt Sand			1560	1590	show gas		
Shale			1590	1604			
Sand			1604	1612			
Shale			1612	1644			
Sand			1644	1702			
Shale			1702	1718			
Little Lime			1718	1725			
Shale			1725	1740			
Big Lime			1740	1780			
Big Injun			1780	1904	gas		
Shale			1904	1955			
TD			<u>1955</u>				



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OCT 4 1974

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE October 4, 1974

Surface Owner Ray Cottrill
Address Rt. #1, Pennsboro, WV
Mineral Owner Ray Cottrill et als
Address Rt. #1, Pennsboro, WV
Coal Owner none
Address _____
Coal Operator none
Address _____

Company Blauser Well Service
Address P.O. Box 216, Glenville, WV 26351
Farm Ray Cottrill et als Acres 53
Location (waters) _____
Well No. 1 Elevation 905'
District Clay County Ritchie
Quadrangle Holbrook

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22 of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-4-75

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Goodnight
Smithers, W.Va. PH: 477-2455

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated September 10, 1974 by Ray Cottrill, et als. made to Dennis Blauser and recorded on the 17th day of September 1974 in Ritchie County, Book 118 Page 375

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

Very truly yours,
[Signature]
(Sign Name) _____
Well Operator
Blauser Well Service
P. O. Box 216
Street
Glenville,
City or Town
West Virginia 26351
State

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

Rit-3563 PERMIT NUMBER
47-085

[Signature]

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Glenn L. Haught & Sons NAME Dennis D. Blausen
 ADDRESS Smithville, WV 26178 ADDRESS P.O. Box 216, Glenville, WV
 TELEPHONE 477 2222 TELEPHONE 422 8122
 ESTIMATED DEPTH OF COMPLETED WELL: 1900' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8		200'	to surface
7			
5 1/2			
4 1/2		1900'	100 sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS unknown
 IS COAL BEING MINED IN THE AREA? no BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title