



NORMAN

ACCURACY: 1P/200P

Source of Elevation SHOCK (747')

- 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 GLEN L. HAUGHT & SONS
 Address SMITHVILLE, WV
 Farm F.H. STOUT, Ralph Perrine
 Tract _____ Acres 45 Lease No. _____
 Well (Farm) No. IO(H.B. 1) Serial No. _____
 Elevation (Spirit Level) 748'
 Quadrangle GLENVILLE SW
 County GILMER District CENTER
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 76003-401 Drawing No. _____
 Date 9/28/76 Scale 1" = 20P

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

WELL LOCATION MAP
 FILE NO. **GIL-2743**

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.

47-021



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle _____

Permit No. Gil-2743

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Glenn L. Haught & Sons
Address Smithville, W. Va.
Farm F. H. Stout Acres 365
Location (waters) Steer Creek
Well No. 10-HB-1 Elev. 748
District Center County Gilmer
The surface of tract is owned in fee by _____
Ralph Perrine
Address Sand Fork, W. Va.
Mineral rights are owned by F. H. Stout, Hrs.
Address _____
Drilling Commenced 9/31/76
Drilling Completed 10/31/76
Initial open flow show cu. ft. _____ bbls.
Final production 400,000 cu. ft. per day _____ bbls.
Well open 12 hrs. before test 360 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	256	256	75 sks.
7			
5 1/2			
4 1/2	1840	1840	120 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Fraced 10/20/76 by Dowell with 1,000 gal. acid, 1,000 bbl. water, and 30,000 lbs. 20/40 sand

Perforations: 2 holes 1789-1790 6 holes 1802-1804 6 holes 1808-1810

Coal was encountered at NONE Feet _____ Inches _____
Fresh water 70 ft. Feet _____ Salt Water NONE Feet _____
Producing Sand Big Injun Depth 1770-1820

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate & Red Rock			0	540		
Slate & Shells			540	1120		
Sand			1120	1130		
Slate & Shells			1130	1295		
Sand			1295	1350		
Slate & Shells			1350	1455		
Sand			1455	1465		
Slate & Shells			1465	1490		
Sand			1490	1545		
Slate			1545	1595		
Sand			1595	1625		
Slate			1625	1655		
Big Lime			1655	1770		
Big Injun			1770	1820		
Slate			1820	1850		
		T. D.	1850			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 30, 1976

Surface Owner Ralph Ferrino
Address Sand Fork, W.Va.
Mineral Owner Overt Hardman
Address Glenville, W.Va. 26351
Coal Owner No. Coal
Address _____
Coal Operator _____
Address _____

Company GLENN L. HAUGHT & SONS
Address Smithville, W. Va. 26178
Farm F.H. Stout Acres 365
Location (waters) Steer Creek
Well No. 10- HB.-1 Elevation 748
District Center County Gilmer
Quadrangle Glenville - S.V.

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 1-30-77.

INSPECTOR
TO BE NOTIFIED Kenneth P. Goodnight
ADDRESS Smithville, W.Va. 26178
PHONE 477-2455

[Signature]
Deputy Director - Oil & Gas Division

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 Sept. 23, 19 76 by National Oil & Gas, Inc. made to Haught Brothers Drlg. Co. and recorded on the _____ day of _____ 19____, in Gilmer County, Book _____ Page _____ In Process
 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.

Very truly yours, GLENN L. HAUGHT & SONS
(Sign Name) Eldon J. Haught Well Operator Partner

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Street _____
City or Town Smithville
State West Virginia 26178

I have read and understand the reclamation requirements as set forth in Chap. 22, Art. 4, Sect. 12-b and will carry out the specified requirements.

SIGNED: Eldon J. Haught

*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.

GIL-2743

PERMIT NUMBER

47-021

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

PROPOSED WORK ORDER TO _____ DRILL **XX** DEEPEN _____ FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME **HAUGHT BROS. DRILLING CO.** NAME **Warren R. Haught,**
 ADDRESS **Smithville, W.Va. 26178** ADDRESS **Smithville, W.Va. 26178**
 TELEPHONE **477-5555** TELEPHONE **477-5555**
 ESTIMATED DEPTH OF COMPLETED WELL: **2850'** ROTARY **XX** CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: **Big Injun**
 TYPE OF WELL: OIL _____ GAS **XX** 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	225'	225'	80 Sacks.
7			
5 1/2			
4 1/2		1825'	80 Sacks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS **30** FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS **NO COAL**
 IS COAL BEING MINED IN THE AREA? _____ 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