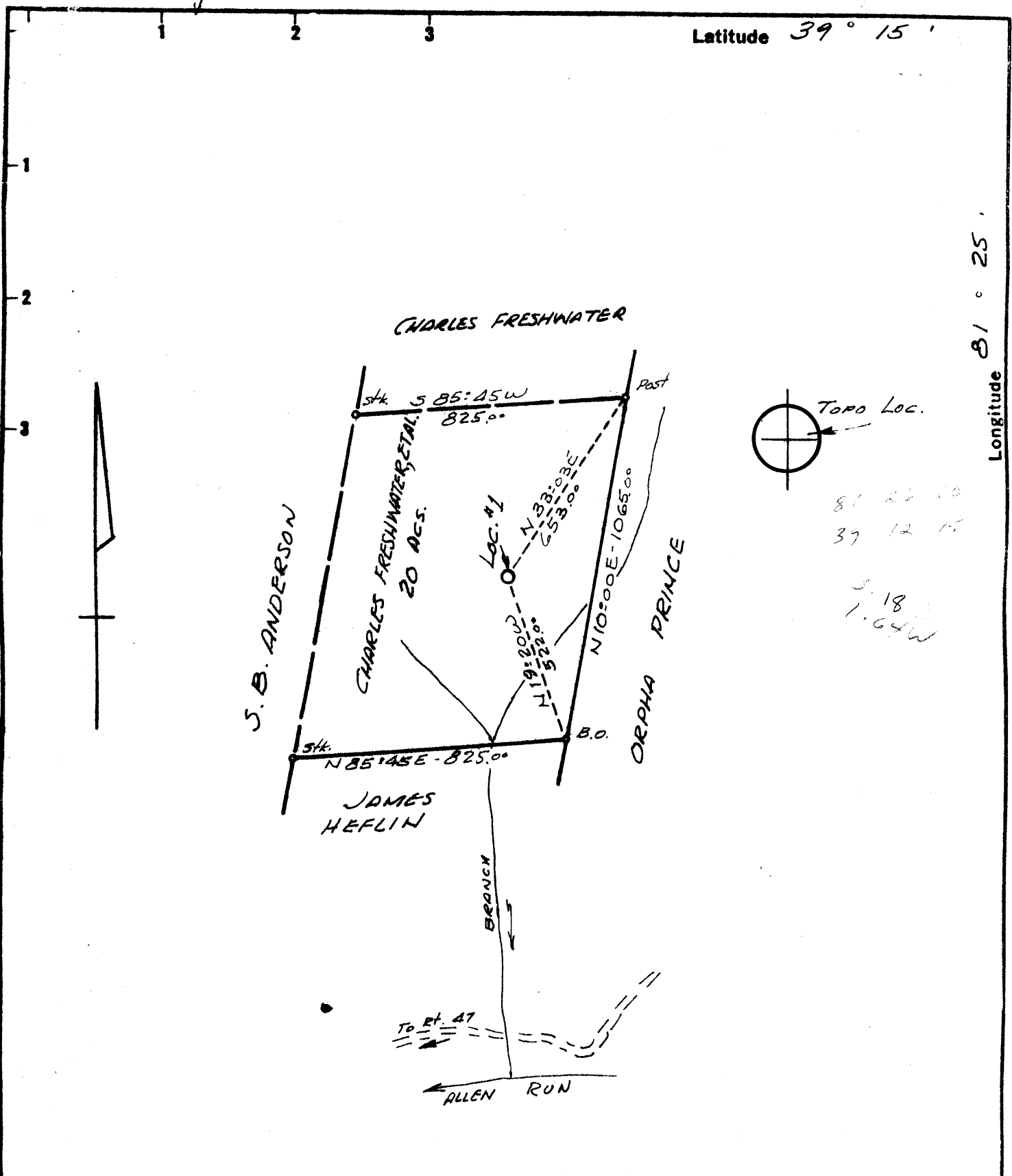


Latitude 39° 15'

Longitude 81° 25'



81 22 10
39 12 15
3.18
1.64W

- New Location
- Drill Deeper
- Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. Elev. 1047' TOP OF KNOB SOUTH EAST OF WELL LOC.

"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."

Company BIG "B" DRILLING CO. INC.
 Address PO. BOX 20, SISSONVILLE, W.VA. 25320
 Farm CHARLES FRESHWATER ET. AL.
 Tract _____ Acres 20.47 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 744'0
 Quadrangle ELIZABETH NW
 County WOOD District CLAY
 Engineer N.L. Dutton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 4-27-74 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. 2000-669

+ 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.

47-107



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Elizabeth

Permit No. Wood 669

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

Company Big B Drilling Co., Inc.
Address Box 20, Sissonville, W. Va.
Farm C. Freshwater Acres 71
Location (waters) Allen Run
Well No. One Elev. 744'
District Clay County Wood
The surface of tract is owned in fee by _____
C. Freshwater/ George Carroll
Address Parkersburg, W. Va. &
Georgetown, Penna.
Mineral rights are owned by _____
Address same as above
Drilling Commenced 8/30/74
Drilling Completed 9/2/74
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
XXXX 10 3/4	215'	215'	
8 5/8			
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

DRY HOLE

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	80		
Sand Shale & RR			80	726		
RR Slate Sand			726	1206		
Sand Slate & RR			1206	1667		
Sand 177'			1667	1718		
Shale & Sand			1718	2172		
Slate & Sand			2172	2284		
Total Depth				2284		<u>below Berca</u>

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

AUG 29 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 August 17, 1974

Surface Owner Charles Freshwater

Company Big B Drilling Company, Inc.

Address Georgetown, Pennsylvania

Address Box 20, Sissonville, W. Va.

Mineral Owner C. Freshwater/George Carroll

Farm C. Freshwater ^{20 7/8} Acres 71

Address see above

Location (waters) Allen Run / State Run River

Coal Owner not operated

Well No. One (1) Elevation 744'

Address

District Clay County Wood

Coal Operator

Quadrangle Elizabeth

Address

THIS WELL IS BEING DRILLED FOR OIL AND GAS

In accordance with Chapter 22 of the West Virginia Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-29-74

Thomas H. Todd
Deputy Director - Oil & Gas Division

PERSON TO BE NOTIFIED Paul Goodnight
Smithville, WV. 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 August 17 1974 by Cooper Shields made to Allen Beard and recorded on the _____ day of _____ 19____, in Wood County, Book _____ Page _____

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, Big B Drilling Company, Inc.

(Sign Name) *Q. J. Kingman*
Well Operator

P.O. Box 20

Street

Sissonville,

City or Town

West Virginia 25320

State

Address of Well Operator

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

*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.

W00-669

PERMIT NUMBER

47 107

David

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Glen Haught _____ NAME Big B Drilling Company, Inc. _____
 ADDRESS Smithville, W. Va. _____ ADDRESS Box 20, Sissonville, W. Va. _____
 TELEPHONE 477-5555 _____ TELEPHONE 984-9934 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2500' _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea _____
 TYPE OF WELL: OIL _____ GAS _____ 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	200	200	to surface
9 - 5/8			
8 - 5/8	800	800	250
7			
5 1/2			
4 1/2	2500	2500	
3			Perf. Top
2	2500	2500	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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