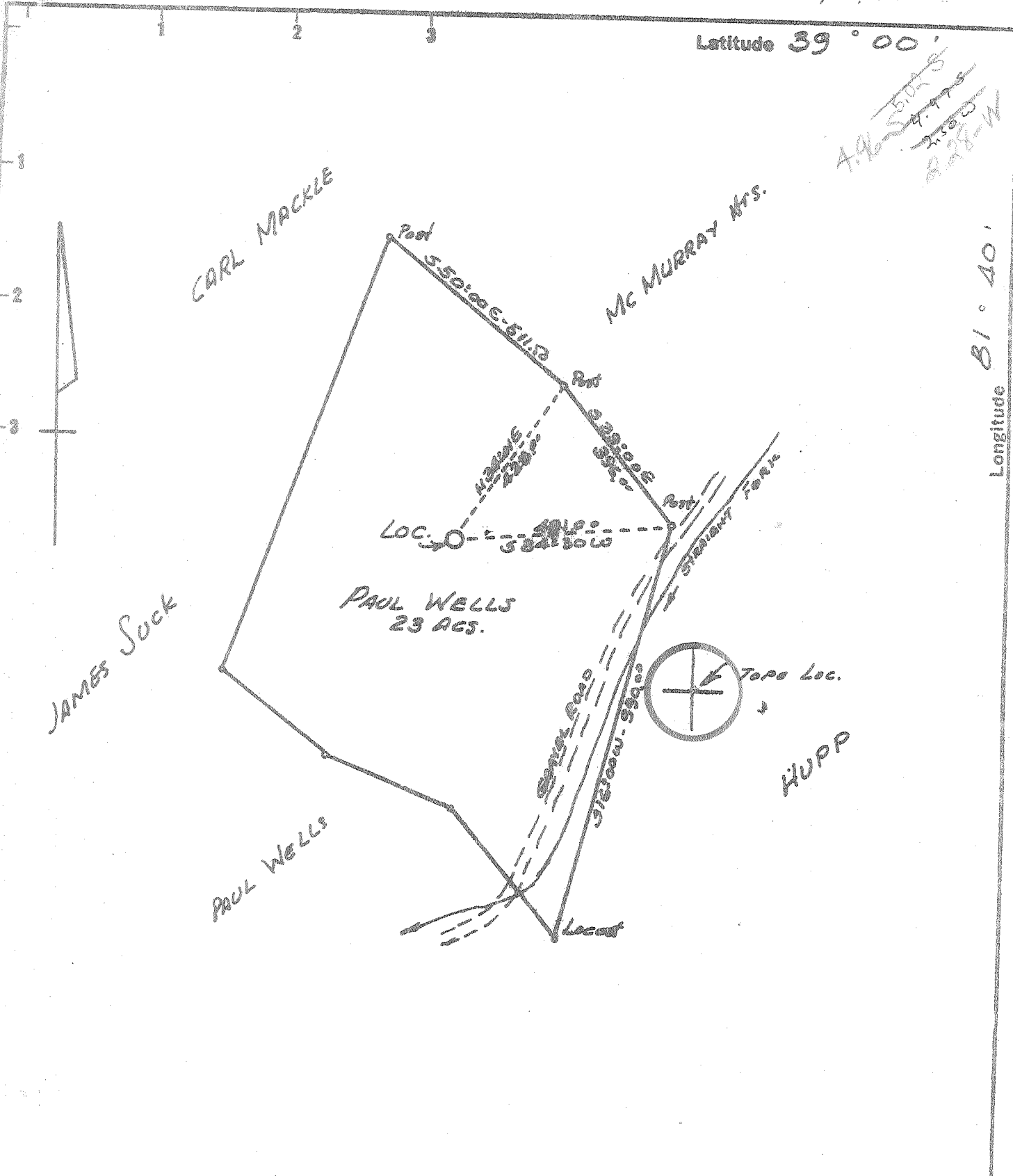


187

Latitude 39° 00'

Longitude 81° 40'

*4.96-512 S
4.47-5
2.82-0
8.28-W*



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S Elev. 596' Road Intersection Pt. 56

"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 PAUL WELLS
 Tract _____ Acres 23 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 743.0
 Quadrangle RIPLEY NW
 County JACKSON District RAVENWOOD
 Engineer N. L. Septon
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 1-16-73 Scale 1" = 300'

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

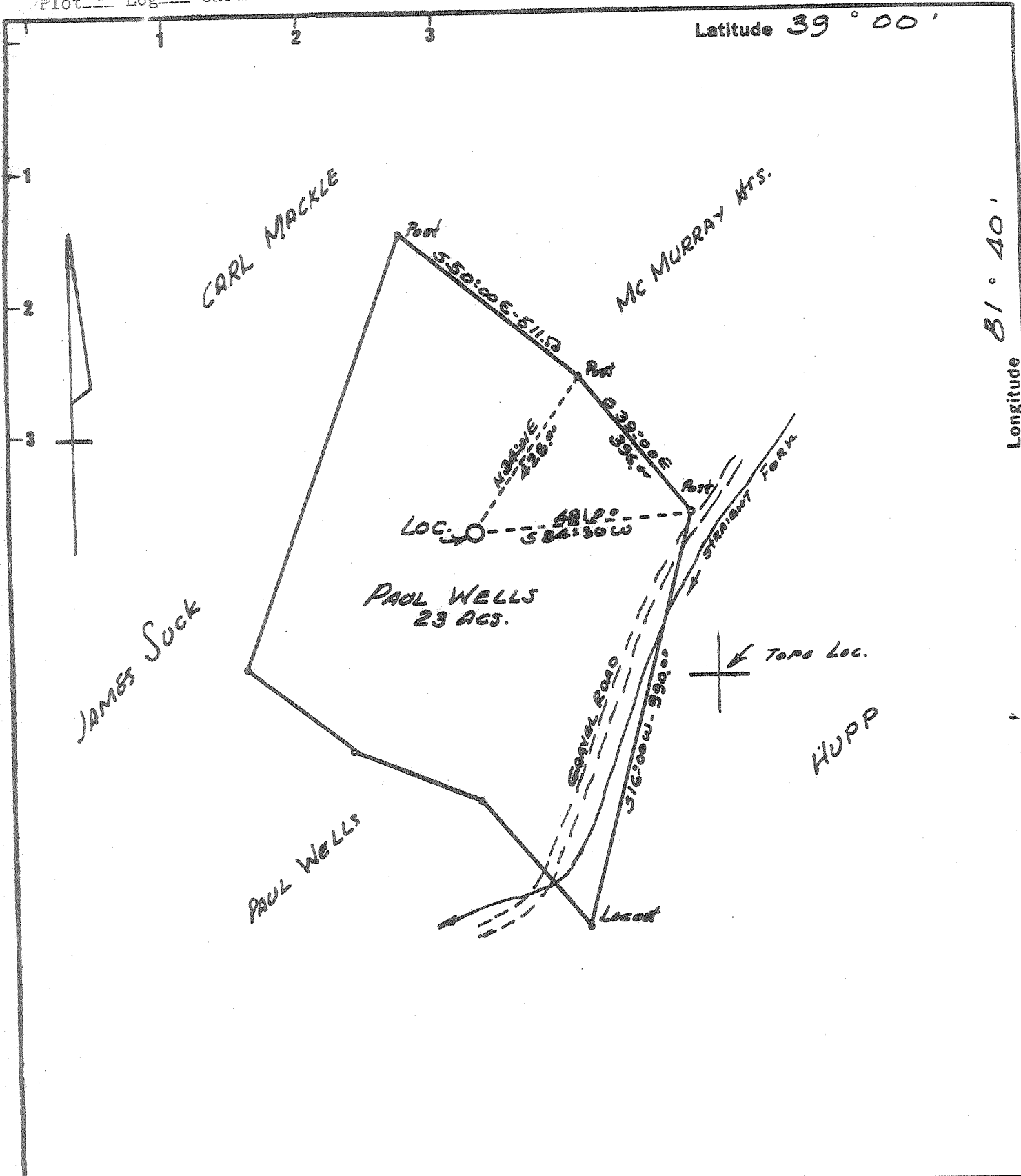
WELL LOCATION MAP
 FILE NO. Jac-1354

⊕ 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.

6-6 Silverton (281)
 374

Deep Well (Newburg)
 JAN 31 1973



New location
 Drill Deeper
 Abandonment
 issued 5/16/73

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. Elev. 596' Road Intersection Pt. 56
 "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 PAUL WELLS
 Tract _____ Acres 23 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 743.0
 Quadrangle RIPLEY NW
 County JACKSON District RAVENSWOOD
 Engineer N. L. Lepton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 1-16-73 Scale 1" = 300'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Jac-1354-P
 + 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

RECEIVED
MAY 16 1973
OIL & GAS DIVISION
DEPT. OF MINES

Rotary _____
Cable _____
Recycling _____
Water Flood _____
Disposal _____

Gas _____
Comb. _____
Storage _____
(Kind) _____

Quadrangle Ripley
Permit No. JAO - 1354

Company BIG "B" Drilling Co., Inc.
Address P.O. Box 20, Sissonville, W. Va.
Farm Paul Wells Acres 23
Location (waters) _____
Well No. 1 Elev. 753 KB
District Ravenwood County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 1-22-73
Drilling Completed 2-18-73
Initial open flow 33 M cu. ft. _____ bbls.
Final production 250 - 300M cu. ft. per day _____ bbls.
Well open _____ hrs. before test 1550# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
<u>13-1/2"</u>	30'	30'	
9 5/8			
8 5/8			
7	2105'	2105'	1-29-73 75 sks. Dowell
5 1/2			
4 1/2	5483'	5483'	2-14-73 120 sks. Dowell
3			
2			
Liners Used			

Attach copy of cementing record.
Waterfrac 3-2-73 with 500 gal. MA, 18000# 20/40 sand, 895 bbl. water

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Oriskany Depth 4772' - 4778'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	10		
Sand			10	25		
Lime			25	50		
Shale			50	285		
Sand			285	385		
Shaley Sand			375	1000		
Sand & Shale			1000	1745 *		
<u>Lime - BIG lime</u>			1745	1850		
Sand & Shale			1850	2105		
Shale			2105	4652		Hole Wet 3910'
<u>Lime - 463</u>			4652	4747		
<u>Oriskany</u>			4747	4780		Gas 33 Mcf per day
<u>Lime - HELDREBORG</u>			4780	4976		
<u>Dolomite - SAUNA</u>			4976	5474		
<u>Williamsport</u>			5474			
<u>Newburg</u>			5499	5507		

SAND 5505 (over) 5507 TOTAL DEPTH 5514
* Indicates Electric Log tops in the remarks section.
Plug Back 545 Total Depth 5012
MAY 29 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 18 1973

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 January 17, 1973
Company Big B Drilling Co., Inc.
Address Box 20, Sissonville, W. Va. 25320
Farm Paul Wells Acres 23
Location (waters) _____
Well No. 1 Elevation 743.0'
District Ravenswood County Jackson
Quadrangle Ripley

Surface Owner Paul Wells
Address Rt. 1, Ravenswood, W. Va.
Mineral Owner Paul Wells & Geraldine
Cunningham, Ravenswood, W. Va.
Address _____
Coal Owner _____
Address _____
Coal Operator Coal not operated
Address _____

INSPECTOR TO BE NOTIFIED Mr. Fred
Burdette
Box 190 PH: 984-9263
Cicero Route
Sissonville, W. Va.
25185

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 5-18-73.

Robert K. Fadd
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 72 by Paul Wells, et al made to Allen Board and recorded on the 28th day of Sept 19 72, in Jackson County, Book 122 Page 534 and as assigned to Big B Drilling Company, Inc.
 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) by Allen Board
Well Operator

Address _____
of _____
Well Operator Box 20 Street _____
Sissonville, City or Town _____
West Virginia 25320 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.

BOND DRILL

Jac-1354 PERMIT NUMBER
Jac

**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 Burdette Oil and Gas Company NAME Allen Beard
 ADDRESS Charleston, W. Va. ADDRESS Box 20, Sissonville, W. Va.
 TELEPHONE 344-3616 TELEPHONE 984-9934
 ESTIMATED DEPTH OF COMPLETED WELL: 5800' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Newburg
 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	<u>250'</u>	<u>250'</u>	<u>To Surface</u>
9 - 5/8			
8 - 5/8	<u>2400'</u>	<u>2400'</u>	<u>To Surface</u>
7			
5 1/2			
4 1/2	<u>5600'</u>	<u>5600'</u>	
3			Perf. Top
2	<u>5700'</u>	<u>5700'</u>	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS None to our knowledge
 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