

Latitude 39° 10'

Longitude 80° 05'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure ONE PART IN 200
 Source of Elevation C.G.S.C. WELL 11034 - ELEV. 1527'

"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."

BERRY ENERGY CONSULTANTS & MANAGERS INC.
 Company
 Address PROFESSIONAL BLDG. SUITE 309
 CLARKSBURG, W. VA. 26301
 Farm VIRGIL A. WHITE, DALLAS WHITE ETUL
 Tract _____ Acres 83.50 Lease No. 74042
 Well (Farm) No. 1 Serial No. B-23
 Elevation (Spirit Level) 1458'
 Quadrangle PHILIPPI C
 County BARBOUR District UNION
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 LLS
 File No. B-563 Drawing No. _____
 Date 5-19-76 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. BAR-769

+ 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.

47-001 JUN 18 1976



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Philippi

Permit No. BAR 769
47-001

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

~~J & J Enterprises,~~
Company (Berry Energy Consultants)
Address 309 Professional Bldg. Clarksburg
Farm Virgil White Acres 83 1/2
Location (waters) First Big Run
Well No. B-23 Elev. 1458'
District Union County Barbour
The surface of tract is owned in fee by Virgil White
Address Routel, Philippi, W. Va. 26416
Mineral rights are owned by Same
Address _____
Drilling Commenced 7/19/76
Drilling Completed 7/20/76
Initial open flow 146,000 cu. ft. _____ bbls.
Final production 481,000 cu. ft. per day _____ bbls.
Well open 10 hrs. before test 1240 RP.
Well treatment details:
7 days

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	20	20	to surface
9 5/8			
8 5/8	1714	1714	400 sks to surface
7			
5 1/2			
4 1/2	4213		125 sks
3			
2			
Liners Used			

Attach copy of cementing record.

Benson Water Frac 70,000 20/40
500 Gal Acid
928 bbl. Total Fluid

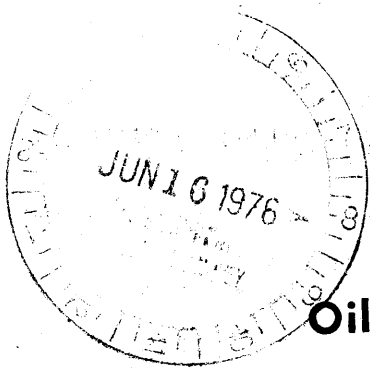
Halliburton

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
Sand-Shale- R. R.			0	315		* Log Tops
Coal			315	320		
Sand, Shale; Sandy Shale			320	1325		Big Lime 1360 1434
Little Lime			1325			Big Injun 1434-1566
Big Lime			1370	1465		
Big Injun			1465	1570		Gantz 1641-1669
Sand; Sand-Shale; Sand-Shale; RR			1570	3895		Fifth 2220-2285
Riley			3895	3910		
Sand Shale			3910	4100		
Benson			4100	4115		Benson 4111-4137
Sand Shale			4115	4237		Gas 4116-4126
TD			4237	4237		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUN 7 1976

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 June 4, 1976

Surface Owner Dallas White, et ux
Address Route 1, Volga, W. Va.
Mineral Owner Virgil White
Address Route 1, Philippi, W. Va. 26416
Coal Owner Virgil White
Address Route 1, Philippi, W. Va. 26416
Coal Operator None
Address _____

Company Berry Energy Consultants & Mgrs., Inc.
Address P. O. Box 5, Clarksburg, W. Va. 26301
Farm Virgil White Acres 83.50
Location (waters) First Big Run
Well No. B-23 Elevation 1458'
District Union County Barbour
Quadrangle Philippi

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 10-14-76.

Robert H. Conrad
Deputy Director - Oil & Gas Division
GENTLEMEN:

INSPECTOR TO BE NOTIFIED Bill Hatfield
Buckhannon, W. Va.
PH: 472-4268 ADDRESS _____

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 24, 19 64 by Virgil A. White made to Hope Natural Gas Company and recorded on the 20th day of October 1964, in Barbour County, Book 51 Page 367

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

Very truly yours,
BERRY ENERGY CONSULTANTS & MGRS., INC.
(Sign Name) Patricia D. Wesm, Secretary
Well Operator

Address
of
Well Operator

P. O. Box 5
Street
Clarksburg,
City or Town
W. Va. 26301
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.

**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 S. W. Jack Drilling Company NAME Jim Willett
 ADDRESS Indiana, Penna. ADDRESS Buckhannon, W. Va.
 TELEPHONE 412 463-9191 TELEPHONE 472-2161
 ESTIMATED DEPTH OF COMPLETED WELL: 4480' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 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			
XXXX 11 3/4	30	30	to surface
9 - 5/8			
8 - 5/8	2050	2050	to surface
7			
5 1/2			
4 1/2	4460	4460	to 3700'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65 FEET _____ SALT WATER 1685' FEET _____
 APPROXIMATE COAL DEPTHS 95-100; 450-454; 475-481; 515-523
 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