

1.89 S
2.03 W

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure *ONE PART IN 200*
 Source of Elevation *C.G.S.C. WELL 10937 - ELEV. 1550'*

"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 *PROFESSIONAL BLDG. SUITE 309*
 Address *CLARKSBURG, W. VA. 26301*
 Farm *RUTH WOODS DAYTON & FIRST NATIONAL BANK OF PHILIPPI*
 Tract _____ Acres *28th of 200* Lease No. *65157-1/2*
 Well (Farm) No. *1* Serial No. *B-3*
 Elevation (Spirit Level) *1464'*
 Quadrangle *PHILIPPI (C)*
 County *BARBOUR* District *ELK*
 Engineer *Daniel L. Wheeler*
 Engineer's Registration No. *530 L.L.S*
 File No. *F.O. 2* Drawing No. _____
 Date *DEC. 1, 1975* Scale *1" = 500'*

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

WELL LOCATION MAP
 FILE NO. **BAR-748**

+ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED

APR 12 1976

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Philippi

Permit No. BAR 748

BERRY ENERGY CONSULTANTS & MANAGERS, INC.

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

Company Consolidated Gas Supply Corporation	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, West Virginia</u>				
Farm <u>Dayton-1st Natl Bank Philippi 842</u> Unit				
Location (waters) <u>Elk Creek</u>	Size			
Well No. <u>B-3</u> Elev. <u>1464'</u>	20-16			
District <u>Elk</u> County <u>Barbour</u>	Cond.			
The surface of tract is owned in fee by <u>Dayton-1st Natl Bank - Philippi</u>	18000X 12"	29	29'	7 sks
Address <u>Philippi, W. Va.</u>	9 5/8			
Mineral rights are owned by <u>Same</u>	8 5/8	910	910	225 sks
Address _____	7			
Drilling Commenced <u>2-3-76</u>	5 1/2			
Drilling Completed <u>2-26-76</u>	4 1/2	4421	4421	175 sks
Initial open flow <u>67,000</u> cu. ft. _____ bbls.	23/2x	Baffle	(4093)	
Final production <u>342,000</u> cu. ft. per day _____ bbls.	2			
Well open <u>9</u> hrs. before test <u>1335</u> RP.	Liners Used			
Well treatment details: <u>40 hours</u>				

Attach copy of cementing record.

Waterfrac - Benson 1135 bbl;	45,000	20/40
	12,000	80/100
Riley 767 bbl	26,000	20/40
	10,000	80/100
342 MCF		

Coal was encountered at 90-95; 97-102; Feet _____ Inches _____
Fresh water None Feet _____ Salt Water 1760 Feet 2005
Producing Sand Benson, Riley Depth 4348-4360; 4057-4064
B R

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	5		1" stream water @ 110 No Cin @292
Sand Shale			5	90		
Coal			90	95		
Shale			95	97		
Coal			97	102		
Shale Red Rock			102	150		Damp 1875
Red Rock			150	185		
Sand			185	210		
Red Rock			210	250		Wet @ 1903 1 1/2" Stream
Sand and Shale			250	635		
Sand			635	665		
Sand and Shale			665	725		
Sand			725	785		
Sand and Shale			785	830		
Sand			830	935		
Sand and Shale			935	955		
Sand			955	1000		
Sand and Shale			1000	1065		
Sand			1065	1405		
Shale			1405	1430		
L. Lime			1430	1465		
Shale Red Rock			1465	1558		
Big Lime & Injun			1558	1730		

(over)

* Indicates Electric Log tops in the remarks section.

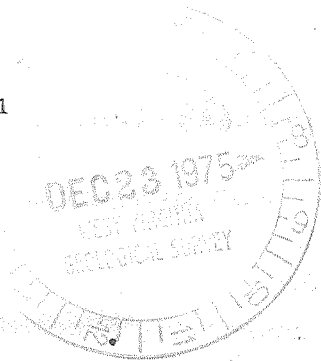
Formation	Color	Hard or Soft	Top Feet 1/	Bottom Feet	Oil, Gas or Water	* Remarks
Sandy Shale			1730	1875		
Sand Gantz			1875	1915		
Sand and Shale			1915	2150		
Red Rock			2150	2380		
4th Sand			2380	2440		
Sand and Shale			2440	4155	Gas 3055	20/10 1" FMW
D. Sand			4155	4185	Gas 3612	10/10 1" FMW
Shale and Sand			1485	4390		
Sand Benson			4345	4360	Gas 4170	50/10 1" FMW
Sand and Shale			4415	4460		4460 70/10 to 90/10 1" FMW

* Benson 4348-4360
 * Riley 4059-4064

Date April 9, 1976

APPROVED W. J. [Signature], Owner

By President
 (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 17 1975

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 December 15, 1975

Surface Owner Ruth Woods Dayton

Company Berry Energy Consultants & Mgrs., Inc.

Address _____

Address P. O. Box 5, Clarksburg, W. Va. 26301

Mineral Owner Ruth Woods Dayton & First Nat'l. Bank of Philippi
Address _____

Farm Dayton-1st Nat'l Bk. Philippi 842 Unit

Coal Owner Bethlehem Mines Corporation

Location (waters) _____

Address Bridgeport, W. Va.

Well No. B-3 Elevation 1464'

Coal Operator Unoperated

District Elk County Barbour

Address _____

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 4-22-76.

Robert T. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Thomas

GENTLEMEN:

PH: 496-7739 ADDRESS Augusta, W. Va.

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 November 15, 1947 by Ruth W. Dayton, et vir made to Hope Natural Gas Company and recorded on the 24th day of January, 1948, in Barbour County, Book 26 Page 63

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.

(Sign Name) [Signature]
Well Operator Berry Energy Consultants & Mgrs., Inc.

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

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 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

Bar-748 PERMIT NUMBER
47-001

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			
xxxxxxx 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 none indicated FEET _____ SALT WATER 1760 FEET 2005
 APPROXIMATE COAL DEPTHS 315; 370
 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