



New Location Drill Deeper Abandonment

Minimum Error of Closure One Part In 200
 Source of Elevation C.G.S.C. Well 10711 Elevation 1334'

"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 Consultant & Managers Inc.
 Company
 Address Professional Building Suite 309
 Clarksburg, W Va. 26301

Farm Allie Steerman & Willis Lantz

Tract _____ Acres 80 Lease No. 70837 69024

Well (Farm) No. 1 Serial No. B-1

Elevation (Spirit Level) 1364

Quadrangle Philippi NE 33 C

County Barbour District Elk

Engineer Daniel L. Wheeler

Engineer's Registration No. 530 LLS

File No. F 0 1 Drawing No. _____

Date 10-24-75 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. BAR-738

+ 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



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS
DEPT.

WELL RECORD

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

Quadrangle Philippi

Permit No. BAR 738

BERRY ENERGY CONSULTANTS & MANAGERS, INC.

Company Consolidated Gas Supply Corporation	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, W. Va.</u>	Size			
Farm <u>Anglin and Lantz</u> Acres <u>80</u>	20-16			
Location (waters) <u>Elk Creek</u>	Cond.			
Well No. <u>B-1</u> Elev. <u>1364</u>	<u>1 3/4</u> 11 3/4	17'	17'	10 sacks cement
District <u>Elk</u> County <u>Barbour</u>	9 5/8			
The surface of tract is owned in fee by <u>Mrs. Dorothy Swanson</u>	8 5/8	1646	1646	To surface
Address <u>Route 2, Philippi, W. Va.</u>	7			
Mineral rights are owned by <u>Mrs. D. Swanson, et al</u>	5 1/2			
Address <u>Same</u>	4 1/2	4176	4176	To 2250'
Drilling Commenced <u>11/3/75</u>	3			
Drilling Completed <u>11/10/75</u>	2			
Initial open flow <u>189,000</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>1,215,000</u> cu. ft. per day _____ bbls.				
Well open <u>7</u> hrs. before test <u>1330</u> RP.				

Well treatment details:

Attach copy of cementing record.

Benson waterfrac: 800 bbl: 500 gal acid, 54,000 20/40;

Balltown waterfrac: 700 bbl: 500 gal acid, 30,000 20/40

1,215 MCF

Coal was encountered at 442-445: 600-602 Feet _____ Inches
Fresh water 40,625 Feet _____ Salt Water 1610 - 1625 Feet _____
Producing Sand Benson 4074-4086 _____ ~~Block~~ Balltown 2806 - 2810

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
K.B.G. L.			0	11		
Shady Soapstone			11	65	1" water	
Shady Shale			65	80		
Sand			80	130		
Shady Shale			130	200		
Shale			200	235		
Sand			235	390		
Shady Shale			390	398		
Sand			398	415		
Shady Shale			415	442		
Coal			442	445		
Sand			445	530		
Shady Shale			530	550		
Sand			550	600		
Coal			600	602		
Shale			602	630	Increase in water	
Sand			630	655		
Shady Shale			655	730		
Sand			730	815		
Shady Slate			815	835		
Sand			835	870		
Shady Slate RR			870	955		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 5	Bottom Feet	Oil, Gas or Water	Remarks
Sand			955	975		
Shady Slate			975	1030		
Sand and Shady Slate			1030	1060		
Shady Slate			1060	1065		
Sand			1065	1100		
RR and Shale			1100	1170		
Shady Shale			1170	1245		
Lime			1245	1320		
Sand Injun			1320	1425		
Shady Shale			1425	1460		
Sand			1460	1500		
Shady Slate			1500	1545		
Sand Gantz			1545	1605		
Shady Slate			1605	1630		
Sand			1630	1640		H ² O 5" Increase
Shady Slate RR			1640	2120		
Sand			2120	2180		
Shale			2180	2520		
Shady Shale			2520	3740		
Sand			3740	3755		
Shale			3755	3795		
Sand			3795	3800		
Shale			3800	4068		
Benson Sand			4068	4105		
Silkstone and Shale			4105	4193		
						Gas Test - 20/10 H ₂ O 2" OF Gas Test - 9/10 H ₂ O 2" OF
						* BENSON 4075-4086

Date March 30, 1976

APPROVED W. B. Berry *W.B. Berry*, Owner

By President
(Title)



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NOV 5 - 1975

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 November 3, 1975

Surface Owner Mrs. Dorothy L. Swanson

Company Berry Energy Consultants & Mgr., Inc.

Address Route 2, Philippi, W. Va.

Address 308-309 Professional Bldg., Clarksburg,

Mineral Owner Various

Farm Anglin & Lantz Acres 80 W. Va.

Address _____

Location (waters) Elk Creek

Coal Owner Mrs. Dorothy L. Swanson, et al

Well No. B-1 Elevation 1364

Address Route 2, Philippi, W. Va.

District Elk County Barbour

Coal Operator None

Quadrangle Philippi

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 3-3-76.

Deputy Director - Oil & Gas Division

Paul Thomas

INSPECTOR TO BE NOTIFIED
496-7739 ADDRESS Augusta, W.Va. 26704

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 October 4th, 1968 by Ada Anglin, et al made to Consolidated Gas Supply and recorded on the unknown day of _____ 19 , in Barbour County, Book 65 Page 9

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 none 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, W B Berry
(Sign Name) Berry Energy Consultants & Mgr., Inc.
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOLOGICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 379
Morgantown, W. Va. 26505
AC 304-296-4461

308-309 Professional Building
Street
Clarksburg, W. Va. 26301
City or Town
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 recording 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.

BAR-738 PERMIT NUMBER
47-001

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 _____
 NAME S. W. Jack Drilling Company NAME Jim Willett
 ADDRESS Indiana, Penna. ADDRESS Buckhannon, W. Va.
 TELEPHONE 412 - 463-9191 TELEPHONE 472-5468
 ESTIMATED DEPTH OF COMPLETED WELL: 4210 ROTARY X
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS X COMB. _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	DEPTH OF MARKS (FEET)
20 - 16	25	25	To Surface
13 - 10			
9 - 5-8			
8 - 5-8	1605	1605	To Surface
7			
5 1/2			
4 1/2	4200	4200	
3			
2			
Liners			

APPROXIMATE FRESH WATER DEPTHS 446 FEET SALT WATER 1585 FEET
 APPROXIMATE COAL DEPTHS 341

IS COAL BEING MINED IN THE AREA? No BY WHOME _____

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, SHALL SUBMIT PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, SHALL SUBMIT OG-1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.

Required forms must be filed ninety (90) days of completion for bond release. Bond must be received twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be used for purposes of receipt thereof.

WAIVER: I, _____, undersigned Agent for _____ Coal Company, do hereby certify that I, under the laws of _____, have examined and placed on our mine maps this proposed _____
 and the _____ Coal Company have no objection to the _____ location,
 and the operator has complied with all rules and regulations in Article _____ of the _____ Constitution and _____ of _____ Virginia.