



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure ONE PART IN 200
 Source of Elevation C.G.S.C. WELL 10713 - ELEV. 1066'

"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 BURTON A. ROY
 Tract _____ Acres 46 Lease No. 71211
 Well (Farm) No. 1 Serial No. B10-A
 Elevation (Spirit Level) 1187'
 Quadrangle PHILIPPI "C"
 County BARBOUR District ELK
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. F.O. 1 Drawing No. _____
 Date NOV. 29, 1975 Scale 1" = 40 POLES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. BAR-750

+ 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

47-001 6-6 Elk Creek (155)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 13

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

Quadrangle Philippi

Permit No. BAR 750

BERRY ENERGY CONSULTANTS & MANAGERS, INC.

Company ~~Consolidated Gas Supply Corp.~~
Address Clarksburg, W. Va.
Farm Burton A. Roy Acres 46
Location (waters) Elk Creek
Well No. B-10-A Elev. 1187'
District Elk County Barbour
The surface of tract is owned in fee by _____
Burton A. Roy,
Address Route 1, Philippi, W. Va.
Mineral rights are owned by Same
Address _____
Drilling Commenced 12/29/75
Drilling Completed 1/6/76
Initial open flow 68 MCF cu. ft. _____ bbls.
Final production 641 MCF cu. ft. per day _____ bbls.
Well open 9 hrs. before test 810RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>11 3/4</u>	30	30	to surface
<u>9 5/8</u>			
<u>8 5/8 1</u>	1729	1729	460 sks
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	4251	4251	175 sks
<u>3</u>			
<u>2 1 1/2"</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Benson: 500 gal acid, 28,000# 20/40 - 500 bbl. water
500 gal acid, 34,000# 20/40 650 bbl water

641 MCF

Coal was encountered at _____ Feet _____ Inches
Fresh water 155 Feet 505 Salt Water 1600 Feet _____
Producing Sand Benson - 4130-38, Riley 3809-3814 Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil clay			0	15		
Soap stone			15	18	H ₂ O (18)	
Sand grey			18	25		
Sand White			25	55		
Shale grey			55	80	H ₂ O (85')	
Shy Shale			80	230		
Sdy Shale and Red Rock			230	290		
Sand white			290	360		
Sdy Shale grey			360	490		
Sand white			490	600		
Shale			600	620		
Sand white			620	700		
Shale Sdy			700	755		
Sand white			755	775		
Sdy Shale			775	830		
S. Sand white			830	1040		
Shale			1040	1055		
Sand white			1055	1090		
Shale			1090	1125		
Sand hard			1125	1155		
Shale			1155	1175		
Sdy Shale hard			1175	1255		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sh., Red Rock		soft	1255	1280		
L. Lime	med		1280	1295		
Sdy Lime	med		1295	1315		
Big Lime			1315	1410		
Sand			1410	1430		
Sdy Shale			1430	1440		
Sand			1440	1520		
Shale			1520	1550		
Sdy Shale			1550	1670		
Sand			1670	1685		
Shale			1685	1715		
S and Shale			1715	1740		
Sdy Shale			1740			
Sand			1740	2040		
Sdy Shale			2040	2065		
Sand			2065	2180		
Sdy Shale			2180	2220		
Shale			2220	2550		
Sdy Shale			2550	2720		
Sand			2800	2880		
Sdy Shale			2880	3270		
Sand			3270	3300		CK for gas @ 3670 No show
Sdy Shale			3300	3810		
Sand			3810	3820		
Shale			3820	4128		
Benson Sand			4128	4155		
Shale and stone			4155			CK Gas @ 4170 14/10 2 FM H ² O

* Benson 4134-4143

* Riley 3824-3829

Date April 5, 1976

APPROVED W.D. Berry, Owner

By President

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 17 1975

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE December 15, 1975

Surface Owner Burton A. Roy

Company Berry Energy Consultants & Mgrs., Inc.

Address Route 1, Philippi, W. Va.

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

Mineral Owner Same

Farm Roy Acres 1846

Address _____

Location (waters) Elk Creek

Coal Owner Same

Well No. B-10-A Elevation 1187'

Address _____

District Elk County Barbour

Coal Operator Unoperated

Quadrangle Philippi

Address _____

~~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 H. Hill

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Thomas

GENTLEMEN:

PH: 496-7739 ADDRESS Buckhannon, 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 December 2, 1970 by Burton A. Roy made to Consolidated Gas Supply Co. and recorded on the _____ day of _____

19 , in Barbour 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.

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

Very truly yours,

(Sign Name) W. M. Berry
Well Operator
Berry Energy Consultants & Mgrs., Inc.

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.

BOND DRILL

Bar-750 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) S. W. Jack Drilling Company RESPONSIBLE AGENT: Jim Willett
 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: 4170 ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL GAS COMB. STORAGE DISPOSAL
 RECYCLING WATER FLOOD OTHER

PROPOSED TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC
20 - 16			
3 1/2 11 3/4	30	30	to surface
9 - 5/8			
7 - 5/8	1650	1650	to surface
7			
5 - 7/8			
4 - 1/2	4160	4160	3100
3			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
1			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 155 FEET 505 SALT WATER 1600 FEET
 APPROXIMATE COAL DEPTHS 257; 381
 IS COAL BEING MINED IN THE AREA? Unoperated 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 completion.

WAIVER: I, the undersigned, Agent for _____ Coal Company, Owner or Operator of _____, have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled if the proposed well location operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 12 of the West Virginia Code.

for Coal Company

Official Title