

Minimum Error of Closure 1 in 200'

Source of Elevation Elevation Mine Pitmouth: 1319

**Partial Plugging**

Fracture  reworked

New Location  1-12-74

Drill Deeper

Abandonment

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.

Signed: [Signature]

Squares: N S E W

Map No. \_\_\_\_\_

Company	<u>R. K. BOGART, JR.</u>
Address	<u>29 1/2 Main St. Philippi, W. Va.</u>
Farm	<u>R. K. Bogart</u>
Tract	<u>Acres 121.79</u> Lease No. _____
Well (Farm) No.	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>1303</u>
Quadrangle	<u>Philippi</u> <u>EC</u>
County	<u>Barbour</u> District <u>Philippi</u>
Engineer	<u>[Signature]</u>
Engineer's Registration No.	<u>1287</u>
File No.	Drawing No. _____
Date	<u>Dec. 8, 1973</u> Scale <u>1" = 600'</u>

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

**WELL LOCATION MAP**

FILE NO. BAR-662-REV. JPP

+ 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.

3-6 Taylor Dr. (316) (Criskany)

Deep well

Bar-662

No well Record Available

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CG-11

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

SEE PAGE

INSPECTOR'S WELL REPORT

Permit No. BAR-662

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>R. K. Regut Sr.</u>	Size			
<u>Phillipi, W. Va.</u>	16	<u>16'</u>		Kind of Packer
<u>R. K. Regut Sr.</u>	13			
Well No. <u>1</u>	<u>11 3/4"</u>	<u>67'</u>	<u>60 lbs</u>	
District <u>Phillipi</u> County <u>Barbour</u>	<u>8 1/2"</u>	<u>1569'</u>	<u>60 lbs</u>	
Drilling commenced <u>12-16-73</u>	6 5/8			Depth set
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top
Volume _____ Cu. Ft.				Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Wickham</u>			
Fresh water <u>16.53-76</u> feet <u>110</u> feet	COAL WAS ENCOUNTERED AT <u>38</u> FEET <u>36</u> INCHES			
Salt water _____ feet _____ feet	<u>398</u> FEET <u>60</u> INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Kalbaugh Blagg-Russ  
Sam Jack - Steyer

Remarks: Log of Drilling at 7580 ft.  
Blow-out Preventer 10 ft hrs 2" →  
Log of testing every 24 hrs.  
Rockman @ Wickham 7555-  
Big Time 895-990  
Clyburn 990-1095  
Blagg 3640-3670  
Jacky Time 6914-6973

1-11-74  
DATE

Paul J. Thomas  
DISTRICT WELL INSPECTOR

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

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JAN 11 1974

INSPECTOR'S PLUGGING REPORT

OIL & GAS DIVISION  
 DEPT. OF MINES

Permit No. BAR-662-PP Well No. 1

COMPANY R. K. Bogert Jr. ADDRESS Phillipi, W. VA.

FARM R. K. Bogert Jr. DISTRICT Phillipi COUNTY Barbour

Filling Material Used 111 Bgs. Cem. - 35 Bgs. Gel

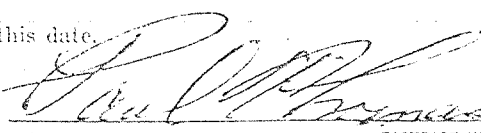
Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
T.D. 7680						
7680-7665	Gel					
7665-7533	Cem. Plug					
7533-7455	Gel					
7455-7329	Cem. Plug					
7329-7000	Gel					
7000-6894	Cem.					
6894-3750	Gel					
Run 4 1/2" Csg. To 3750' Cem. w/90 Bgs. Cem.						

Dowell Service Co.  
 Performed Work

Drillers' Names Kahlbaugh & Blagg  
Sandack - Rotary

Remarks: Job started at 1:00 p.m.  
Finished at 4:30 p.m.

1-14-74 I hereby certify I visited the above well on this date.  
DATE  
  
DISTRICT WELL INSPECTOR



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APR 14 1976

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 1

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

Quadrangle Philippi  
Permit No. BAR-662-PP

Company J & J Enterprises, Inc.  
Address P. O. Box 48, Buckhannon, W. Va. 26201  
Farm Lawrence Conn (Bogert #1) 20201 Acres  
Location (waters) \_\_\_\_\_  
Well No. L Elev. \_\_\_\_\_  
District Philippi County Barbour  
The surface of tract is owned in fee by \_\_\_\_\_  
R. K. Bogert, Jr.  
Address Rt. 2, Box 449-35  
Buckhannon, W. Va.  
Mineral rights are owned by R. K. Bogert, Jr.  
Rt. 2, Box 449-35  
Buckhannon, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <del>11 3/4</del> 11 3/4	107'	107'	cemented to surface
9 5/8			cemented to surface
8 5/8	1580'	1580'	
7			
5 1/2			
4 1/2		3757'	520' with 190 sks.
3			
2			
Liners Used			

Drilling Commenced December 15, 1973  
Drilling Completed January 14, 1974  
Initial open flow 230,000 cu. ft. gas bbls.  
Final production 490,000 cu. ft. per day gas bbls.  
Well open .6 hrs. before test \_\_\_\_\_ RP.

Attach copy of cementing record.

Well treatment details:  
Broke down well with 500 gallons acid and fracked with 45,000 pounds of 20-40 Sand using 20 gallons F-63 soap.

Coal was encountered at 117-119 155-158 920-925 Inches  
Fresh water 70 Feet Salt Water \_\_\_\_\_ Feet  
Producing Sand Benson Depth 3640-3652

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	102	Gas	2230 7/10 - 2" open flow water
Coal			102	109		
Sand & Shale			109	150	Gas	3027 10/10-2" open flow water
Coal			150	153		
Sand & Shale			153	175		
Sand	White		175	440	Gas	3800 12/10-2" open flow water
Coal			440	442		
Shale & Sand			442	508		
Shale-			508	520		
Sand & Shale			520	630		
Red Rock			630	660		
Sand			660	715		
Red <del>Rock</del> Rock			715	730		
Sand & Shale			730	790		
Sand	White		790	935		
Red Rock			935	945		
Sand & Shale			945	1000		
Little Lime			1000	1015		
Sand & Shale & Red Rock			1015	1045		
Big Lime			1045	1170		
Big Injun			1170	1255		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			1255	1293		
Sand			1293	1335	Top Big Lime	1030
Sand & Shale			1335	1910		
Sand	Brown		1910	2120	Big Injun	1150
Sand			2120	2430		
Sand & Shale			2430	2865	Top of Gantz	1350
Sand	Brown		2865	2990		
Sand			2990	3030	Benson	3757
Shale			3030	3757		
Sand			3757	3768	Tully	7020
Shale			3768	5620		
Sand & Shale			5620	6800	Ononadgo	7335
Lime & Shale			6800	7020		
Tully Lime			7020	7335	Chert	7349
Ononadgo. Lime			7335	7349		
Sand			7349	7680 TD	Oriskany	7635
Filling Material Used			111 Bags Cement	-	35 Bags Gel	
T.D. 7680						
7680 - 7665 Gel						
7665 - 7533 Cem. plug.						
7533 - 7455 Gel						
7455 - 7329 Cem. Plug						
7329 - 7000 Gel						
7000 - 6894 Cem.						
6894 - 3750 Gel						
Run 4 1/2" csg. to 3757' cen. W/ 190 bgs. cen.						
Drillers' Names		Kahlbaugh & Blagg Sam Jack - Rotary				
Remarks: Job started at 1:00 p.m. finished at 4:30 p.m.						
<p>7680 3768 ----- 3912 expln. Ct.</p>						

Date April 13, 19 76

APPROVED J. & J. Enterprises, Inc. Owner

By James W. White Superintendent

(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
NOV 29 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 November 27, 1973

Surface Owner R. K. Bogert, Jr.

Company R.K. Bogert, Jr.

Address Philippi, W. Va.

Address 29-1/2 S. Main St., Philippi, W. Va.

Mineral Owner Same

Farm Lawrence Conn Acres 121.79

Address Same

Location (waters) Tygarts Valley River <sup>1/2 Mi + SW</sup> <sub>Mouth of</sub>

Coal Owner R. K. Bogert, Jr.

Well No. 1 Elevation 1333 <sup>Fords Run</sup>

Address Philippi, W. Va.

District Philippi County Barbour

Coal Operator Coal was heretofore leased to Badger Coal Company, Philippi, W. Va., but has been mined out

Quadrangle Philippi

INSPECTOR TO BE NOTIFIED  
Mr. Paul Thomas  
Buckham  
W.Va. 26201  
PH: 472-6418

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 4-14-74

Robert T. [Signature]  
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 May 9 1966 by Margaret T. Dare et al made to R. K. Bogert, Jr. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Barbour County, Book 213 Page 339

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 28th day Nov. 1973 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, R. K. BOGERT, Jr.

By: (Sign Name) Richard M. Taddeoff, agent  
Well Operator

Address of Well Operator

29-1/2 S. Main Street  
Street  
Philippi  
City or Town  
West Virginia  
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.

Bar-662 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) \_\_\_\_\_  
 NAME S. W. Jack Drilling Company  
 ADDRESS Buckhannon, West Virginia  
 TELEPHONE 472-2161  
 ESTIMATED DEPTH OF COMPLETED WELL: 7,000 ft. *Oriskany?*  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_  
 RESPONSIBLE AGENT: NAME James Willett  
 ADDRESS Buckhannon, W. Va.  
 TELEPHONE 472-2161  
 ESTIMATED DEPTH OF COMPLETED WELL: 7,000 ft. *Oriskany?*  
 PROPOSED GEOLOGICAL FORMATION: \_\_\_\_\_  
 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			None
13 - 10		30 ft.	10 sks.
9 - 5/8		None	
8 - 5/8		1000 ft.	circ. to surface
7		None	
5 1/2		None	
4 1/2		7,000 ft. (If Oriskany sand is commercially productive)	120 to 225
3		None	
2		None	
Liners		None	

APPROXIMATE FRESH WATER DEPTHS 75 FEET  
 APPROXIMATE COAL DEPTHS No mineable coal  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? Well located below coal

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 \_\_\_\_\_