



New Location   
 Drill Deeper   
 Abandonment

Company W. H. Mosser  
 Address Harrisville, W. Va.  
 Farm A. H. Johnson  
 Tract \_\_\_\_\_ Acres 23-27 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) No. 1 860' 270' 1110' 230'  
 Quadrangle Holtbrook - WC  
 County Putnam District Union  
 Surveyed by Holly Nestor  
 Engineer Donald W. Morris  
 Engineer's Registration No. 1653  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 6/22/59 Scale 1" = 300'

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

WELL LOCATION MAP  
 FILE NO. Rit-2066-23 Acres  
Rit-2067-27 "

+ 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.

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 10

Quadrangle Balbrook

Permit No. Rit-2067

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Johnson Oil and Gas Company  
Address Box 204, Harrisville, W. Va.  
Farm A. H. Johnson Acres 27  
Location (waters) Bone Creek  
Well No. 1 Elev. 860  
District Union County Ritchie  
The surface of tract is owned in fee by A. H. Johnson  
Address Berea, W. Va.  
Mineral rights are owned by A. H. Johnson  
Address Berea, W. Va.  
Drilling commenced March 24, 1960  
Drilling completed April 16, 1960  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow 22/10ths Water in 1" Inch  
\_\_\_\_\_/10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure 450 lbs. 15 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

| Casing and Tubing | Used in Drilling | Left in Well | Packers        |
|-------------------|------------------|--------------|----------------|
| Size              |                  |              | Kind of Packer |
| 16                | 17ft.            | 17ft.        |                |
| 13                |                  |              |                |
| 10                | 180 ft.          | 180 ft.      | Size of        |
| 8 3/4             | 808 ft.          |              |                |
| 6 3/8             |                  |              | Depth set      |
| 5 3/16            |                  |              |                |
| 3                 |                  |              | Perf. top      |
| 2 1/4             | 1832 ft.         | 1832 ft.     | Perf. bottom   |
| Liners Used       |                  |              | Perf. top      |
|                   |                  |              | Perf. bottom   |

CASING CEMENTED 4 1/4 SIZE 7 7/8 No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
4 also cemented  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED Fractured with 650 bbl water and 500 gallon acid, 30,000 lb. sand. Pressure of frac was from 1900 to 3000 pound. 4 1/2" was perforated w/ Dowell AbrasiJet.

RESULT AFTER TREATMENT 25/10 water 2", or 238,000 cu. ft.

ROCK PRESSURE AFTER TREATMENT 450 lb.

Fresh Water Fresh Feet 352 Salt Water None Feet \_\_\_\_\_

| Formation      | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks   |
|----------------|-------|--------------|-----|--------|-------------------|-------|-----------|
| Top soil       |       |              | 0   | 5      |                   |       |           |
| Lime, shells   |       |              | 5   | 110    | Water             | 35'   | Hole full |
| Red Rock       |       |              | 110 | 175    |                   |       |           |
| Lime, shells   |       |              | 175 | 200    |                   |       |           |
| Red Rock       |       |              | 200 | 205    |                   |       |           |
| Slate & shells |       |              | 205 | 230    |                   |       |           |
| Red Rock       |       |              | 230 | 285    |                   |       |           |
| Lime, shells   |       |              | 285 | 290    |                   |       |           |
| Red Rock       |       |              | 290 | 305    |                   |       |           |
| Slate & shells |       |              | 305 | 325    |                   |       |           |
| Red Rock       |       |              | 325 | 335    |                   |       |           |
| Lime & shells  |       |              | 335 | 350    |                   |       |           |
| Slate & shells |       |              | 350 | 365    |                   |       |           |
| Lime & shells  |       |              | 365 | 410    |                   |       |           |
| Slate & shells |       |              | 410 | 445    |                   |       |           |
| Li me          |       |              | 445 | 470    |                   |       |           |
| Red Rock       |       |              | 470 | 480    |                   |       |           |
| Lime           |       |              | 480 | 500    |                   |       |           |
| Slate & shells |       |              | 500 | 510    |                   |       |           |
| Red Rock       |       |              | 510 | 525    |                   |       |           |
| Slate & shells |       |              | 525 | 575    |                   |       |           |
| Sand           |       |              | 575 | 585    |                   |       |           |
| Lime           |       |              | 585 | 610    |                   |       |           |
| Red Rock       |       |              | 610 | 620    |                   |       |           |
| Lime & shells  |       |              | 620 | 625    |                   |       |           |
| Lime           |       |              | 625 | 640    |                   |       |           |
| Shells         |       |              | 640 | 690    |                   |       |           |
| Red Rock       |       |              | 690 | 695    |                   |       |           |
| Slate & shells |       |              | 695 | 710    |                   |       |           |

| Formation  | Color | Hard or Soft | Top / 0 | Bottom | Oil, Gas or Water | Depth Found | Remarks      |
|--|-------|--------------|---------|--------|-------------------|-------------|--------------|
| Pink rock  |       |              | 710     | 725    |                   |             |              |
| Slate & shells   |       |              | 725     | 735    |                   |             |              |
| Red Rock   |       |              | 735     | 805    |                   |             |              |
| Sand   |       |              | 805     | 830    |                   |             |              |
| Slate & shells   |       |              | 830     | 850    |                   |             |              |
| Red Rock   |       |              | 850     | 860    |                   |             |              |
| Slate & shells   |       |              | 860     | 885    |                   |             |              |
| Sand   |       |              | 885     | 900    |                   |             |              |
| Slate & shells   |       |              | 900     | 910    |                   |             |              |
| Line   |       |              | 910     | 950    |                   |             |              |
| Slate & shells   |       |              | 950     | 970    |                   |             |              |
| Sand   |       |              | 970     | 985    |                   |             |              |
| Slate & shells   |       |              | 985     | 995    |                   |             |              |
| Line   |       |              | 995     | 1105   |                   |             |              |
| Slate  | Park  |              | 1105    | 1120   |                   |             |              |
| Sand   |       |              | 1120    | 1125   |                   |             |              |
| Slate & shells   |       |              | 1125    | 1150   |                   |             |              |
| Line   |       |              | 1150    | 1165   |                   |             |              |
| Sand   |       |              | 1165    | 1175   |                   |             |              |
| Line   |       |              | 1175    | 1179   |                   |             |              |
| Sand   |       |              | 1190    | 1210   | Gas               | 1170        | Show         |
| Slate & shells   |       |              | 1210    | 1245   |                   |             |              |
| Sand   |       |              | 1245    | 1280   |                   |             |              |
| Line & Slate   |       |              | 1280    | 1515   |                   |             |              |
| Sand   |       |              | 1515    | 1535   | Gas               | 1518        | Show         |
| Slate & Line   |       |              | 1535    | 1600   | Oil               | 1580        | Show         |
| Sand   |       |              | 1600    | 1665   |                   |             |              |
| Line   |       |              | 1665    | 1730   |                   |             |              |
| Sand   |       |              | 1730    | 1745   |                   |             |              |
| Line   |       |              | 1745    | 1763   |                   |             |              |
| Sand   |       |              | 1763    | 1772   | Gas               | 1765-1779   | 10 3/4" / 1" |
| Slate  |       |              | 1772    |        |                   |             |              |
| Total Depth  |       |              | 1822    |        |                   |             |              |
| 43 ft. of pocket   |       |              |         |        |                   |             |              |
| Well tested 27th April 25, 1940 Well flowed water all night of 23th. Scabbled to bottom and gauged 10/10 W-1", 66,000 cu. ft.                |       |              |         |        |                   |             |              |
| April 27th. well left open all night, gas increased, cleaned out sand and cement to bottom of hole, 1820', teste 10/10 W-2", 189,000 cu. ft. |       |              |         |        |                   |             |              |
| April 28th. well left open all night, lot of water returned to hole over night. No open flow test made.                                      |       |              |         |        |                   |             |              |
| April 29th. Well shut in over night about 15hrs., Rock pressure 450 lb. Open flow test 25/10 W -2", 238,000 cu. ft.                          |       |              |         |        |                   |             |              |
| Pipe perforated from 1555 to 1580  |       |              |         |        |                   |             |              |

Date May 26th., 19 40

APPROVED \_\_\_\_\_, Owner

By \_\_\_\_\_ (Title)