





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

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Cameron  
Permit No. MARS-517

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company Union Carbide Corp., Olefins Div.  
Address Box 8004, So. Charleston 3, W. Va.  
Farm Richard J. Fitzsimmons Acres 336  
Location (waters) Stulls Run  
Well No. 2, Serial No. 18-48 Elev. 841 Gr. 847 KB  
District Webster County Marshall  
The surface of tract is owned in fee by Richard J. Fitzsimmons Address RFD # 3, Cameron, W. Va.  
Mineral rights are owned by Richard J. Fitzsimmons Address RFD # 3, Cameron, W. Va.  
Drilling commenced September 16, 1963  
Drilling completed September 23, 1963  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED No  
WELL FRACTURED No

| Casing and Tubing | Used in Drilling | Left in Well | Packers              |
|-------------------|------------------|--------------|----------------------|
| Size              |                  |              | Kind of Packer _____ |
| 16                |                  |              | Size of _____        |
| 13. 3/8"          | 20'              | 20'          | Depth set _____      |
| 9 5/8"            | 844'             | 844'         | Perf. top _____      |
| 8 1/4"            |                  |              | Perf. bottom _____   |
| 6 3/8"            |                  |              | Perf. top _____      |
| 5 3/16"           |                  |              | Perf. bottom _____   |
| 3                 |                  |              |                      |
| 2                 |                  |              |                      |
| Liners Used       |                  |              |                      |

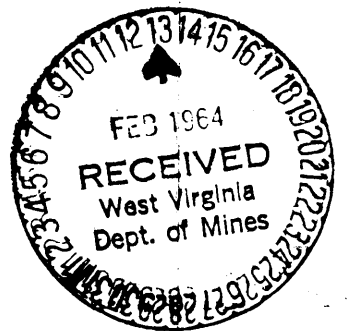
CASING CEMENTED 13 3/8 SIZE 20' No. Ft 9/16/63 Date  
9 5/8 130' 9/20/63  
COAL WAS ENCOUNTERED AT 70 FEET 60 INCHES  
278 FEET 48 INCHES 330 FEET 60 INCHES  
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water 97 Feet Salt Water 1107 Feet

| Formation                    | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|------------------------------|-------|--------------|-----|--------|-------------------|-------|---------|
| ALL MEASUREMENTS BASED ON KB |       |              |     |        |                   |       |         |
| Sand                         |       |              | 0'  | 70'    | Water             | 97'   |         |
| Coal                         |       |              | 70  | 75     |                   |       |         |
| Shale                        |       |              | 75  | 97     |                   |       |         |
| Sand                         |       |              | 97  | 117    |                   |       |         |
| Shale                        |       |              | 117 | 137    |                   |       |         |
| Sand                         |       |              | 137 | 145    |                   |       |         |
| Sand & Shale                 |       |              | 145 | 195    |                   |       |         |
| Streaks                      |       |              |     |        |                   |       |         |
| Lime                         |       |              | 195 | 205    |                   |       |         |
| Shale                        |       |              | 205 | 210    |                   |       |         |
| Lime                         |       |              | 210 | 250    |                   |       |         |
| Lime & Shale                 |       |              | 250 | 278    |                   |       |         |
| Coal                         |       |              | 278 | 282    |                   |       |         |
| Sandy Shale                  |       |              | 282 | 290    |                   |       |         |
| Lime                         |       |              | 290 | 328    |                   |       |         |
| Pittsburgh Coal              |       |              | 330 | 335    |                   |       |         |
| Sand & Shale                 |       |              | 335 | 350    |                   |       |         |
| Sand                         |       |              | 350 | 359    |                   |       |         |
| Sand & Shale                 |       |              | 359 | 390    |                   |       |         |
| Sand                         |       |              | 390 | 400    |                   |       |         |
| Shale & Red Rock             |       |              | 400 | 450    |                   |       |         |
| Shale                        |       |              | 450 | 500    |                   |       |         |
| Red Rock                     |       |              | 500 | 510    |                   |       |         |
| Shale                        |       |              | 510 | 530    |                   |       |         |
| Red Rock                     |       |              | 530 | 540    |                   |       |         |
| Shale                        |       |              | 540 | 790    |                   |       |         |
| Sand - Big Dunkard           |       |              | 790 | 830    |                   |       |         |
| Shale & Red Rock             |       |              | 830 | 960    |                   |       |         |



| Formation                       | Color | Hard or Soft | Top // | Bottom  | Oil, Gas or Water  | Depth Found | Remarks   |
|---------------------------------|-------|--------------|--------|---------|--------------------|-------------|-----------|
| Gas Sand                        | Black |              | 960    | 1036    |                    |             |           |
| Shale                           |       |              | 1036   | 1042    |                    |             |           |
| Shale                           |       |              | 1042   | 1096    |                    |             |           |
| 1st Salt Sand                   |       |              | 1096   | 1136    | Water              | 1107'       | 1" Stream |
| Shale                           |       |              | 1136   | 1158    |                    |             |           |
| 2nd Salt Sand                   |       |              | 1158   | 1210    |                    |             |           |
| Shale                           |       |              | 1210   | 1290    |                    |             |           |
| <del>Maxton Sand</del> 3rd Salt |       |              | 1290   | 1330    |                    |             |           |
| Shale                           |       |              | 1330   | 1338    |                    |             |           |
| Maxton Sand                     |       |              | 1338   | 1370    |                    |             |           |
| Shale                           |       |              | 1370   | 1423    | 1423<br>847<br>576 |             |           |
| Injun Sand                      |       |              | 1423   | 1525    |                    |             |           |
| Shale                           |       |              | 1525   | 1540    |                    |             |           |
| Injun Sand                      |       |              | 1540   | 1642    |                    |             |           |
| Shale                           |       | 1642         | 1772   |         |                    |             |           |
| Sandy Shale                     |       | 1772         | 1865   |         |                    |             |           |
| Shale                           |       | 1865         | 1937   |         |                    |             |           |
| Sandy Shale                     |       | 1937         | 1957   |         |                    |             |           |
| Shale                           |       | 1957         | 1985   |         |                    |             |           |
| Berea Sand                      |       | 1985         | 2008   |         |                    |             |           |
| Shale                           |       | 2008         | 2043   |         |                    |             |           |
|                                 |       |              |        | 2043 TD |                    |             |           |

Note: Well will be plugged this summer.

Date February 11, 1964

APPROVED UNION CARBIDE CORP., Olefins Div., Owner

By K. R. Gosnell  
K. R. Gosnell (Title) Dist. Prod. Engr.