





(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)  
 N98°N24'W



DATE Jan 4, 1979  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-051-0632  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION \_\_\_\_\_ WATER SHED Maggoty Run  
 DISTRICT Liberty COUNTY Marshall  
 QUADRANGLE Glen Easton 7 1/2'  
 SURFACE OWNER \_\_\_\_\_ ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE NO. \_\_\_\_\_ LEASE ACREAGE \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUS OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUS AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 1586 ADDRESS P. O. Box 1588  
Parkersburg, WV 26101 Parkersburg, WV 26101

T F McIlvain

E. W. I.  
District Leade  
County Marshall  
W. Va.  
Rights Owned By

Location Made March 29, 1902  
Rig Completed April 4, 1902  
Dr'g Commenced April 21, 1902  
Dr'g Completed June 19, 1902  
Dr'g Contractor A.W. Nickle & Son

Purchased From  
Date Purchased  
Sold To  
Date Sold  
Date Abandoned

FORMATION

| Kind        | Top   | Bottom | Steel Line Measurement | Tests |
|-------------|-------|--------|------------------------|-------|
| Conductor   |       | 16'    |                        |       |
| Active Coal | 425'  | 429'   |                        |       |
| Apletown    | 630'  | 634'   |                        |       |
| Pittsburgh  | 710'  | 718'   |                        |       |
| Dunkard     | 1115' | 1135'  |                        |       |
| Big Dunkard | 1190' | 1230'  |                        |       |
| Salt Sand   | 1475' | 1640'  |                        |       |
| Blue Lime   | 1800' | 1830'  |                        |       |
| Blue Injun  | 1830' | 2030'  |                        |       |
| Gordon      | 2701' | 2727'  |                        |       |
| At pay      | 2703' | 2715'  |                        |       |
| Total depth |       | 2727'  |                        |       |

CASING RECORD

| Size    | Bottom Casing (Steel Line) | Put In Well (Tally Meas.) | Pulled (Tally Meas.) | Cemented |
|---------|----------------------------|---------------------------|----------------------|----------|
| 10"     |                            | 1217'7"                   | 1217'7"              |          |
| 8-1/4"  |                            | 1684'3"                   | 1684'3"              |          |
| 6-5/8"  |                            | 1924'8"                   |                      |          |
| 5-3/16" |                            | 2048'2"                   | 2048'                |          |
|         |                            | 2056.7'                   |                      |          |

PACKERS AND SHOES

| Kind      | Size    | Depth Set | Date Set  |
|-----------|---------|-----------|-----------|
| Hook wall | 5 3/16" | 2056.7'   | Dec. 1903 |

TORPEDO RECORD

| Date   | No. Qts. | Size Shell   | Top Shot | Bottom | Results |
|--|----------|--------------|----------|--------|---------|
| 2-27-'03                                       | 20       | 6-8          | 2703     |        |         |
| 11-25-'04                                      | 40       | 13-6         | 2703     |        |         |
| 10-3-'18                                       | 48       | 3-4 1/2      | 2702     |        |         |
| 12/15-1942                                     | 30       | 4 1/2" x 10' | 2706     | 2716   | Open S  |
| <i>Cleaned Out 9-6-68 to 12-12-68 Not Shot</i> |          |              |          |        |         |

DRILLING DEEPER

| Commenced | Completed | Original Depth | Final Depth | Contractor |
|-----------|-----------|----------------|-------------|------------|
|           |           |                |             |            |

ABANDONMENT RECORD

| Filled With | From | To | Size | Kind |
|-------------|------|----|------|------|
|             |      |    |      |      |

| Prod. | Sand   | * At Completion | * 30Days After | * |
|-------|--------|-----------------|----------------|---|
|       | Gordon | 57 1/2 bbls     |                |   |

APPROVED