



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



DATE Jan 2, 1979  
 OPERATOR'S WELL NO 2  
 API WELL NO. 47-095-632  
 STATE COUNTY PERMIT

FORM IV-C  
 (8-78)  
N56 N6 W13

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 N/A WATER SHED ELK FORK  
 DISTRICT Ellsworth COUNTY Tyler  
 QUADRANGLE PORTERS FALLS 7.5'

SURFACE OWNER \_\_\_\_\_ ACRES \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACRES \_\_\_\_\_  
 LEASE NO. \_\_\_\_\_

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 REPLUS   
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. [unclear]  
 ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588  
Parkersburg, WV 26101 Parkersburg, WV 26101

(AMES WOOD-2)

1978 NAME *W. J. ...* DISTRICT *W. 1* PINE GROVE  
 WELL NO. *2* ACRES *100* N. *7* E. *1*  
 LEASE NO. *8342* RECORD

| District or Tract | County       | State       | Commenced      | Completed      | Contractor       | Purchased From   | Date Purchased | Date Connected | Sold To | Date Sold | Date Plugged | Date Abandoned |
|-------------------|--------------|-------------|----------------|----------------|------------------|------------------|----------------|----------------|---------|-----------|--------------|----------------|
| <i>W. 1</i>       | <i>W. J.</i> | <i>W. 1</i> | <i>3/28/97</i> | <i>1/15/98</i> | <i>W. J. ...</i> | <i>W. J. ...</i> | <i>1/24/98</i> |                |         |           |              |                |

| Size             | CASING AND TUBING |              |
|------------------|-------------------|--------------|
|                  | Put in Well       | Left in Well |
| 12 in. Casing    |                   |              |
| 10 in. Casing    | <i>225</i>        | <i>225</i>   |
| 8 in. Casing     | <i>860</i>        | <i>860</i>   |
| 6 in. Casing     |                   |              |
| 6 in. Casing     | <i>1560</i>       |              |
| 5 1/2 in. Casing |                   |              |
| 4 1/2 in. Casing |                   |              |
| 2 in. Tubing     | <i>1691</i>       | <i>1691</i>  |
| 2 in. Tubing     | <i>1705</i>       |              |
| in. Tubing       |                   |              |

| Date            | SHOOTING  |       |
|-----------------|-----------|-------|
|                 | Qty.      | Depth |
| <i>4/21/97</i>  | <i>24</i> |       |
| <i>4/29/97</i>  | <i>40</i> |       |
| <i>5/15/97</i>  | <i>40</i> |       |
| <i>3/29/98</i>  | <i>60</i> |       |
| <i>5/31/98</i>  | <i>90</i> |       |
| <i>10/11/98</i> | <i>90</i> |       |
| <i>1/6/99</i>   | <i>90</i> |       |

| Elevation at Mouth of Well | Formation          | Top         | Bottom | Thickness | Oil at      | Gas at      | Water at | Thickness of Pay |
|----------------------------|--------------------|-------------|--------|-----------|-------------|-------------|----------|------------------|
|                            |                    |             |        |           |             |             |          |                  |
|                            | Pittsburgh Coal    |             |        |           |             |             |          |                  |
|                            | Red Rock Cave      |             |        |           |             |             |          |                  |
|                            | Cow Run (First)    |             |        |           |             |             |          |                  |
|                            | Cow Run (Second)   |             |        |           |             |             |          |                  |
|                            | Salt Sand (Upper)  |             |        |           |             |             |          |                  |
|                            | Salt Sand (Middle) |             |        |           |             |             |          |                  |
|                            | Salt Sand (Lower)  |             |        |           |             |             |          |                  |
|                            | Mazon              |             |        |           |             |             |          |                  |
|                            | Little Lime        |             |        |           |             |             |          |                  |
|                            | Penoll Cave        |             |        |           |             |             |          |                  |
|                            | Big Lime           |             |        |           |             |             |          |                  |
|                            | Keokuk Sand        |             |        |           | <i>1679</i> | <i>1665</i> |          |                  |
|                            | Injun Sand         |             |        |           | <i>1679</i> | <i>1665</i> |          |                  |
|                            | Squaw Sand         |             |        |           |             |             |          |                  |
|                            | Weir Sand          |             |        |           |             |             |          |                  |
|                            | Saras Sand         |             |        |           |             |             |          |                  |
|                            | Canta Sand         |             |        |           |             |             |          |                  |
|                            | Fifty Foot Sand    |             |        |           |             |             |          |                  |
|                            | Thirty Foot Sand   |             |        |           |             |             |          |                  |
|                            | Gordon Stray       |             |        |           |             |             |          |                  |
|                            | Gordon Sand        |             |        |           |             |             |          |                  |
|                            | Fourth Sand        |             |        |           |             |             |          |                  |
|                            | Fifth Sand         |             |        |           |             |             |          |                  |
|                            | Carboniferous Lime |             |        |           |             |             |          |                  |
|                            | Niagara Lime       |             |        |           |             |             |          |                  |
|                            | Cave               |             |        |           |             |             |          |                  |
|                            | Clinton            |             |        |           |             |             |          |                  |
|                            | Medina Shale       |             |        |           |             |             |          |                  |
|                            | Trenton            |             |        |           |             |             |          |                  |
|                            | Total Depth        | <i>1701</i> |        |           |             |             |          |                  |

PACKERS  
 Size \_\_\_\_\_ Make \_\_\_\_\_ Set # \_\_\_\_\_  
 Initial Oil Production \_\_\_\_\_

47-095-0637