



J. E. P. VILLAR, INC.

reservoir engineering data  
MIDLAND, TEXAS

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File 4-4029-A0F

Company MARATHON OIL COMPANY Lease JICARILLA APACHE Well No. 15  
Field SOUTH BLANCO PICTURED CLIFFS County RIO ARriba State NEW MEXICO  
Formation PICTURED CLIFFS Test Date NOVEMBER 16, 1970

Status of Well Shut in 98 hours

| DEPTH<br>Feet | PRESSURE<br>Psig | GRADIENT<br>Psi/Ft. |
|---------------|------------------|---------------------|
| 0             | 689              |                     |
| 1000          | 703              | .019                |
| 2000          | 725              | .021                |
| 2400          | 737              | .020                |
| 2600          | 741              | .020                |
| 1400 2800     | 745              | .020                |
| 2651 *        | 746              | .020                |

\* Mid-Perforation

Datum Pressure Psig

1000

800

600

400

200

0

\*2877 Sand Fill-up

|                         |                   |      |
|-------------------------|-------------------|------|
| Elev. 6515 KB           | Datum             | Ft.  |
| Total Depth *           | Perf. 2826-77     | Ft.  |
| Tubing 2 3/8            | in. to 2811       | Ft.  |
| Casing 4 1/2            | in. to 2982       | Ft.  |
| Casing Press. 691       | Tubing Press. 689 |      |
| Oil Level               | Water Level       |      |
| Temperature             | °F @              | Ft.  |
| Element No. 15065N      | Range 0-2100      |      |
| Last Test Date          |                   |      |
| Pressure Last Test Date |                   | Psig |
| B.H.P. Change           | Psi               |      |

DEPTH: FEET