

# A & A ENGINEERING SERVICE

P.O. BOX 3323

DIVISION OF  
WELL ANALYSIS CO., INC.

Midland, Texas 79701

## BOTTOM HOLE PRESSURE REPORT

Operator J. M. Huber Corporation Lease O'Neill-Federal Well No. 1  
 Field South Carlsbad Reservoir Morrow Datum Ctr. of Perf.  
 Test Date March 14, 1973 Well Status Shut In Hours Shut In 184:00  
 Tubing 2 7/8" Depth 11380' End Open Packer 11380' S. N.           
 Casing 5 1/2" OD Depth          Perf. 11529-11598' Total Depth         

|                                          | Depth   | Press.<br>Lbs/Sq. In. | Δ<br>Press.   | Gradient<br>Lbs/Ft. |
|------------------------------------------|---------|-----------------------|---------------|---------------------|
| Tubing Press. .... 3873# DWT .....       | Surface | 3876                  |               |                     |
| Casing Press. ....                       | 5000    | 4329                  | 453           | .091                |
| Top of Fluid. .... None .....            | 11350   | 4850                  | 521           | .082                |
| Top of Water. .... None .....            | +212    | +17                   |               |                     |
| Temp. @ ..... °F .....                   | 11562   | 4867                  | Ctr. of Perf. | .082                |
| Elev. KB. .... Gl. ....                  |         |                       |               |                     |
| Last Test Date. .... Initial .....       |         |                       |               |                     |
| Press. Last Test .....                   |         |                       |               |                     |
| Change. .... Per Day. ....               |         |                       |               |                     |
| Inst. No. .... 7445 Cal. .... 73-1 ..... |         |                       |               |                     |
| Tested By. .... John Spruell .....       |         |                       |               |                     |
| Calcu. By. .... J. Spruell .....         |         |                       |               |                     |
| Prod. Index. .... Bbls/day/lb. ....      |         |                       |               |                     |
| Drop. ....                               |         |                       |               |                     |
| Cumulative prod. ....                    |         |                       |               |                     |

Remarks:

**RECEIVED**  
 MAR 27 1973  
 U. S. GEOLOGICAL SURVEY  
 ARTESIA, NEW MEXICO