## FLUID SAMPLE DATA

Sampler Pressure 100 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas .37
cc. Oil
cc. Water
cc. Mud 100
Tot. Liquid cc. 100
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

| | | RESISTIVITY | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | @ | °F. | | ppm |
| Recovery Mud | @ | °F. | | ppm |
| Recovery Mud Filtrate | @ | °F. | | ppm |
| Mud Pit Sample | @ | °F. | | ppm |
| Mud Pit Sample Filtrate | @ | °F. | | ppm |

Mud Weight 8.9 vis 42 sec

Date 12-13-76 Ticket Number 760539
Kind of Job OPEN HOLE Halliburton District ARTESIA
Tester MR. PITTMAN Witness MR. CONE
Drilling Contractor MORAN BROTHERS RIG # 63 BJS

## EQUIPMENT & HOLE DATA

Formation Tested Cisco Detritial
Elevation 3510' GL Ft.
Net Productive Interval 6' Ft.
All Depths Measured From Kelly Bushing (15)
Total Depth 7448' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 593' I.D. 2.25"
Drill Pipe Length 6793' I.D. 3.826"
Packer Depth(s) 7379' 7385' Ft.
Depth Tester Valve 7363' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke 1" Adj. Bottom Choke .75"

Recovered 210' Feet of drilling mud
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Remarks GAS TO SURFACE IN 37 MINUTES INTO THE TEST AT 25 PSI

SEE PRODUCTION TEST DATA SHEET....

| TEMPERATURE | Gauge No. 512 | Gauge No. 113 | Gauge No. | TIME |
|---|---|---|---|---|
| | Depth: 7364' Ft. | Depth: 7445' Ft. | Depth: Ft. | |
| | 24 Hour Clock | 24 Hour Clock | Hour Clock | Tool A.M. |
| Est. 137 °F. | Blanked Off NO | Blanked Off YES | Blanked Off | Opened 1715 P.M. |
| | | | | Opened A.M. |
| Actual °F. | Pressures | Pressures | Pressures | Bypass 2245 P.M. |

| | | Field | Office | Field | Office | Field | Office | Reported Minutes | Computed Minutes |
|---|---|---|---|---|---|---|---|---|---|
| Initial Hydrostatic | | | 3368 | | 3400 | | | | |
| First Period Flow | Initial | | 72 | | 112 | | | | |
| | Final | | 103 | | 129 | | | 30 | 27 |
| | Closed in | | 3050 | | 3087 | | | 60 | 60 |
| Second Period Flow | Initial | | 74 | | 83 | | | | |
| | Final | | 129 | | 137 | | | 60 | 60 |
| | Closed in | | 2984 | | 3021 | | | 180 | 183 |
| Third Period Flow | Initial | | | | | | | | |
| | Final | | | | | | | | |
| | | | | | | | | | |
| Final Hydrostatic | | | 3310 | | 3361 | | | | |

FORMATION TEST DATA

Legal Location Sec. - Twp. - Rng. 17 19 25
Lease Name BARBARA FEDERAL
Well No. 7
Test No. 1
Tested Interval 7385' to 7448'
Lease Owner/Company Name ROGER C. HANKS
Field Area BOYD MORROW
Meas. From Tester Valve
County EDDY
State NEW MEXICO