

JOHNSTON

Schlumberger

## SURFACE INFORMATION

| Description (Rate of Flow)                                  | Time | Pressure (P.S.I.G.) | Surface Choke |
|-------------------------------------------------------------|------|---------------------|---------------|
| Opened Tool                                                 | 0656 | -                   | 1/4"          |
| STRONG BLOW                                                 |      |                     |               |
| CLOSED FOR INITIAL SHUT-IN                                  | 0659 | -                   | "             |
| GAS TO SURFACE                                              | 0714 | -                   | "             |
| FINISHED SHUT-IN                                            | 0829 | -                   | "             |
| RE-OPENED TOOL                                              | 0831 | -                   | "             |
| GAS 340 MCF/DAY                                             | 0846 | 150                 | "             |
| GAS 625 MCF/DAY                                             | 0901 | 430                 | "             |
| GAS 825 MCF/DAY                                             | 0916 | 580                 | "             |
| GAS 1000 MCF/DAY                                            | 0931 | 700                 | "             |
| GAS 1150 MCF/DAY                                            | 0946 | 790                 | "             |
| GAS 1225 MCF/DAY                                            | 1001 | 860                 | "             |
| GAS 1300 MCF/DAY                                            | 1016 | 930                 | "             |
| GAS 1400 MCF/DAY                                            | 1031 | 980                 | "             |
| GAS 1425 MCF/DAY                                            | 1046 | 1000                | "             |
| GAS STABILIZED AT 1425 MCF/DAY FOR REMAINDER OF FLOW PERIOD |      |                     |               |
| CLOSED FOR FINAL SHUT-IN                                    | 1101 | 1000                | "             |
| FINISHED SHUT-IN                                            | 1601 | -                   | "             |
| PULLED PACKER LOOSE                                         | 1603 | -                   | -             |

| Cushion Type | Amount | Pressure | Bottom Choke |
|--------------|--------|----------|--------------|
|              | -      |          | Size 5/8"    |

## MUD DATA

|                  |              |             |              |
|------------------|--------------|-------------|--------------|
| Mud Type         | BRINE WATER  | Wt.         | 9.6          |
| Viscosity        | 38           | Water Loss  | 5.6          |
| Resist. of Mud   | .06 @ 60 °F. | of Filtrate | .06 @ 60 °F. |
| Chloride Content | 87000        |             | PPM          |

## EQUIPMENT &amp; HOLE DATA

|                          |                         |
|--------------------------|-------------------------|
| Type Test                | M.F.E. OPEN HOLE        |
| Formation Tested         | MORROW                  |
| Elevation                | 3298' K.B. - 3287' G.L. |
| Net Productive Interval  | 35                      |
| Estimated Porosity       | 10                      |
| All Depths Measured From | KELLY BUSH              |
| Total Depth              | 9111                    |
| Main Hole/Casing Size    | 7 7/8"                  |
| Rat Hole/Liner Size      | -                       |
| Drill Collar Length      | 553' I.D. 2.5"          |
| Drill Pipe Length        | 8400' I.D. 3.8"         |
| Packer Depth(s)          | 8989' & 8995'           |

MULTI-FLOW EVALUATOR  
FLUID SAMPLE DATA

|                       |       |                     |
|-----------------------|-------|---------------------|
| Sampler Pressure      | 2020  | P.S.I.G. at Surface |
| Recovery: Cu. Ft. Gas | 16.5  |                     |
| cc. Oil               | 100 * |                     |
| cc. Water             | -     |                     |
| cc. Mud               | -     |                     |
| Tot. Liquid cc.       | 100   |                     |

Gravity - °API @ - °F.  
Gas/Oil Ratio - cu. ft./bbl.

\* CONDENSATE WITH A SHOW OF DRILLING FLUID

RESISTIVITY

CHLORIDE  
CONTENT

Recovery Water - @ - °F. - ppm

Recovery Mud - @ - °F.

Recovery Mud Filtrate - @ - °F. - ppm

Mud Pit Sample .06 @ 60 °F.

Mud Pit Sample Filtrate .06 @ 60 °F. 87000 ppm

## RECOVERY DESCRIPTION

| RECOVERY DESCRIPTION        | FEET | BARRELS | % OIL | % WATER | % OTHERS | API GRAVITY | RESISTIVITY  | CHL. PPM |
|-----------------------------|------|---------|-------|---------|----------|-------------|--------------|----------|
| REVERSED OUT:               |      |         |       |         |          | @ °F.       | @ °F.        |          |
| ESTIMATED GAS AND           |      |         |       |         |          | @ °F.       | @ °F.        |          |
| CONDENSATE CUT DRILLING     |      |         |       |         |          | @ °F.       | @ °F.        |          |
| FLUID                       | 50   | 0.31    |       |         |          | @ °F.       | @ °F.        |          |
| RECOVERED BELOW CIRCULATING |      |         |       |         |          | @ °F.       | @ °F.        |          |
| SUB:                        |      |         |       |         |          | @ °F.       | @ °F.        |          |
| DRILLING FLUID              | 180  | 1.10    |       |         |          | @ °F.       | .06 @ 60 °F. | 87000    |
|                             |      |         |       |         |          | @ °F.       | @ °F.        |          |

Remarks:

Address P. O. BOX 1320; HOBBS, NEW MEXICO 88240; ATTN: MR. AL KLAAR

Company LLANO, INC.

Field DAYTON-ATOKA

Well HIGGINS TRUST INC. # 1

Location SEC. 13-TWP18-RGE26

Test Interval 8995' TO 9111'

Test # 1

Date 1-24-76

County EDDY State NEW MEXICO

Field Report No. 11245 C