Hilcorp Energy Company

# Current Schematic - Version 3

## Well Name: FRED FEASEL H #1G

| API / UWI | Surface Legal Location | Field Name | Route | State/Province | Well Configuration Type |
|---|---|---|---|---|---|
| 3004534389 | T28N-R10W-S33 | Basin Dakota | 0708 | New Mexico | Vertical |

| Ground Elevation (ft) | Original KB/RT Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) |
|---|---|---|---|---|
| 6,046.00 | 6,059.00 | 13.00 | | |

## Vertical, Original Hole, 11/12/2018 10:52:56 AM

| MD (ftKB) | TVD (ftKB) | Vertical schematic (actual) |
|---|---|---|
| 0.0 | | |
| 13.1 | | Surface Casing Cement; 13.0-378.0; 1/22/2008 |
| 358.9 | | |
| 359.9 | | 1; Surface; 8 5/8 in; 8.10 in; 13.0 ftKB; 360.0 ftKB |
| 378.0 | | |
| 972.1 | | OJO ALAMO (final) |
| 1,116.1 | | KIRTLAND (final) |
| 1,605.0 | | FRUITLAND (final) |
| 2,005.9 | | PICTURED CLIFFS (final) |
| 2,200.1 | | LEWIS (final) |
| 2,549.9 | | HUERFANITO BENTONITE (final) |
| 2,943.9 | | CHACRA (final) |
| 3,299.9 | | (L |
| 3,592.8 | | CLIFF HOUSE (final) |
| 3,666.0 | | MENEFEE (final) |
| 3,805.1 | | |
| 4,086.9 | | |
| 4,087.6 | | |
| 4,089.9 | | |
| 4,256.9 | | |
| 4,290.0 | | |
| 4,319.9 | | |
| 4,363.8 | | POINT LOOKOUT (final) |
| 4,859.9 | | MANCOS (final) |
| 4,863.8 | | (LEGAL MV BASE) (final) |
| 5,514.1 | | |
| 5,528.9 | | |
| 5,546.9 | | GALLUP (final) |
| 6,323.2 | | GREENHORN (final) |
| 6,374.0 | | |
| 6,389.1 | | |
| 6,418.0 | | GR |
| 6,419.9 | | |
| 6,509.5 | | |
| 6,511.5 | | |
| 6,543.3 | | |
| 6,544.3 | | |
| 6,544.9 | | |
| 6,580.1 | | |
| 6,629.9 | | |
| 6,631.9 | | |
| 6,637.8 | | |
| 6,645.0 | | |
| 6,704.1 | | |
| 6,708.0 | | |
| 6,878.0 | | |
| 6,878.6 | | |
| 6,879.6 | | |
| 6,924.2 | | |
| 6,924.9 | | |
| 6,955.1 | | |

Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 13.0 ftKB; 6,509.5 ftKB

SECOND STAGE; 13.0-4,087.0; 2/2/2008; CIRC 53 BBLS CM,T TO SURFACE

Cement Squeeze; 3,805.0-4,320.0; 10/4/2018; EST CIRC 1.5 BPM @ 130#, SI CSG, EST IR 1.2 BPM @ 1900# W/ 5 BBLS WATER, ISDP=1610#, SPOT 50 SX BALANCED PLUG (12 BBLS) 4320' - 3805', TYPE 3 CMT W/ .1% FL1.37 YIELD @ 14.6 PPG, DISPLACE W/ 14 BBLS FW 3 BPM @ 120#

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casing leak; 4,257.0-4,290.0; 10/4/2018

FIRST STAGE; 4,087.0-6,925.0; 2/2/2008; CIRC 5 BBLS CMT TO SURFACE

Tubing Pup Joint; 2 3/8 in; 6,509.5 ftKB; 6,511.6 ftKB

Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 6,511.6 ftKB; 6,543.2 ftKB

Pump Seating Nipple; 2 3/8 in; 6,543.2 ftKB; 6,544.3 ftKB

Expendable Check; 2 3/8 in; 6,544.3 ftKB; 6,545.1 ftKB

PERF - DAKOTA; 6,420.0-6,580.0; 10/8/2018

Bridge Plug - Permanent; 6,630.0-6,632.0; 5 1/2" CIBP

NEW PBTD 6630'

Packer; 6,637.8-6,645.1; WEATHERFORD 5 1/2" AS1-X PACKER LEFT IN HOLE. UNABLE TO RELEASE PACKER. RELEASED FROM ON OFF TOOL.

Perforated; 6,704.0-6,708.0; 3/7/2008

PBTD; 6,878.0

2; Production1; 5 1/2 in; 0.00 in; 13.0 ftKB; 6,925.0 ftKB