Hilcorp Energy Company

Current Schematic - Version 3

Well Name: HUERFANO UNIT #137

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004513030	031-026N-009W-J	BASIN DAKOTA (PRORATED GAS)	0610	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)
6,643.00	6,653.00	10.00		

VERTICAL, Original Hole, 11/26/2018 12:43:59 PM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
8.9		
9.8		Surface Casing Cement; 10.0-327.0; 10/25/1962; CEMENT WITH 210 SX CIRCULATED TO SURFACE
326.1		
327.1		1; Surface; 9 5/8 in; 8.76 in; 10.0 ftKB; 327.0 ftKB
1,162.1		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 10.0 ftKB; 2,090.1 ftKB
1,233.9		
1,321.9		KIRTLAND (final)
1,607.9		FRUITLAND (final)
1,939.0		FRUITLAND COAL (final)
2,049.9		PICTURED CLIFFS (final)
2,054.1		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; j-55; 2,090.1 ftKB; 2,092.2 ftKB
2,090.2		
2,092.2		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 2,092.2 ftKB; 2,123.1 ftKB
2,123.0		Pump Seating Nipple; 2 3/8 in; 1.78 lb/ft; j-55; 2,123.1 ftKB; 2,124.2 ftKB
2,124.3		Mule Shoe Guide; 2 3/8 in; 1.99 lb/ft; j-55; 2,124.2 ftKB; 2,125.1 ftKB
2,125.0		
2,126.0		
2,169.9		LEWIS (final)
2,192.9		
2,248.0		
2,250.0		
2,441.9		HUERFANITO BENTONITE (final)
2,523.0		
2,600.1		
2,601.0		
2,924.9		CHACRA (final)
3,634.8		CLIFFHOUSE (final)
3,678.1		MENEFEE (final)
4,462.9		POINT LOOKOUT (final)
4,771.0		MANCOS (final)
5,181.1		
5,509.8		GALLUP (final)
6,425.9		GREENHORN (final)
6,481.0		GRANEROS (final)
6,506.9		TWO WELLS (final)
6,532.2		
6,584.0		PAGUATE (final)
6,657.2		CUBERO (final)
6,699.1		
6,720.1		PBTD; 6,720.0
6,768.0		
6,769.0		
6,770.0		

Cement; 1,234.0-2,250.0; 11/6/1962; CEMENT WITH 195 SX TOC CALC AT 75% EFF

PERF - PICTURED CLIFFS; 2,054.0-2,126.0; 7/27/2018

Cement Squeeze; 2,193.0-2,601.0; 9/26/2018; MIX AND PUMP CEMENT SQUEEZE WITH 74 SX, 83.62 CUFT, 1.13 YIELD, 15.8 PPG, CLASS G NEAT CEMENT TO SQUEEZE HOLES AT 2600' WITH 62 SX OUTSIDE CASING 10 SX UNDER RETAINER AND 2 SX ON TOP OF RETAINER.

Cement Squeeze; 2,523.0-2,601.0; 9/26/2018; MIX AND PUMP CEMENT SQUEEZE WITH 74 SX, 83.62 CUFT, 1.13 YIELD, 15.8 PPG, CLASS G NEAT CEMENT TO SQUEEZE HOLES AT 2600' WITH 62 SX OUTSIDE CASING 10 SX UNDER RETAINER AND 2 SX ON TOP OF RETAINER.

SQUEEZE PERFS; 2,600.0-2,601.0; 9/24/2018

Production Casing Cement; 5,181.0-6,769.0; 11/6/1962; CEMENT WITH 305 SX TOC CALC AT 75% EFF

PERF DAKOTA; 6,532.0-6,699.0; 11/7/1962

Production Casing Cement (plug); 6,720.0-6,769.0; 11/6/1962; CEMENT WITH 305 SX TOC CALC AT 75% EFF

2; Production1; 5 1/2 in; 4.95 in; 10.0 ftKB; 6,769.0 ftKB

PLUGBACK; 6,769.0-6,770.0; 11/7/1962