Hilcorp Energy Company

Current Schematic - Version 3

Well Name: SAN JUAN 28-6 UNIT #120

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3003982242	009-028N-006W-I	BASIN DAKOTA (PRORATED GAS)	1306	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)
6,485.00	6,497.00	12.00		

VERTICAL, Original Hole, 5/2/2019 1:32:41 PM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
12.1		Tubing Hanger; 7 in; 12.00 ftKB; 13.00 ftKB
13.1		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 13.00 ftKB; 45.75 ftKB
45.6		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 45.75 ftKB; 51.82 ftKB
51.8		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 51.82 ftKB; 61.91 ftKB
62.0		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 61.91 ftKB; 72.03 ftKB
69.9		
72.2		
297.9		
298.9		
312.0		
2,692.9		KIRTLAND (final)
3,244.1		
3,368.1		PICTURED CLIFFS (final)
3,509.5		
3,510.8		
4,009.8		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 72.03 ftKB; 7,724.91 ftKB
4,494.1		
5,140.1		CLIFF HOUSE (final)
5,147.0		
5,238.9		MENEFEE (final)
5,542.0		POINT LOOKOUT (final)
5,684.1		
5,738.5		
5,739.8		
5,759.8		
6,042.0		MANCOS (final)
6,592.8		GALLUP (final)
6,759.8		
6,978.0		
7,515.1		GREENHORN (final)
7,620.1		GRANEROS (final)
7,631.9		DAKOTA (final)
7,633.9		
7,724.1		
7,725.1		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 7,724.91 ftKB; 7,727.01 ftKB
7,727.0		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 7,727.01 ftKB; 7,758.64 ftKB
7,753.9		
7,758.5		Seal Nipple; 2 3/8 in; 7,758.64 ftKB; 7,759.74 ftKB
7,759.8		Saw Tooth; 2 3/8 in; J-55; 7,759.74 ftKB; 7,760.14 ftKB
7,760.2		
7,782.2		
7,784.1		
7,817.9		PBTD; 7,818.00
7,828.4		
7,829.4		

Production Casing Cement; 12.00-70.00; 11/30/1965; Confirmed by CBL run 01/15/2019

Surface Casing Cement; 12.00-298.90; 11/7/1965; CEMENT W/ 175 SXS REGULAR CMT & 2% CACL. CIRCULATED TO SURFACE

1; Surface; 8 5/8 in; 8.10 in; 12.00 ftKB; SET DEPTH ADJUSTED FOR KB; 298.89 ftKB

Production Casing Cement; 3,244.00-4,494.00; 11/30/1965; TOC @ 3,244' Confirmed by CBL run 01/15/2019

TOC 2507' BY CALCULATION USING 1.22 CUFT/SX & 75% EFFICIENCY. CEMENT 3RD STG W/ 250 SXS 50/50 POZMIX, CLASS 'C' CMT & 8% GEL

PERF - MESAVERDE; 5,147.00-5,684.00; 1/16/2019

Production Casing Cement; 5,760.00-6,760.00; 11/30/1965; TOC @ 5,760' Confirmed by CBL run 01/15/2019

TOC 5097' BY CALCULATION USING 1.22 CUFT/SX & 75% EFFICIENCY. CEMENT 2ND STG W/ 160 SXS 50/50 POZMIX, CLASS 'C' CMT & 8% GEL

Production Casing Cement; 6,978.00-7,829.30; 11/30/1965; TOC @ 6,978' Confirmed by CBL run 01/15/2019

TOC 6825' BY CALCULATION USING 1.22 CUFT/SX & 75% EFFICIENCY. CEMENT 1ST STG W/ 150 SXS REGULAR CMT, 2% GEL, 1% HALAD-9

PERF - DAKOTA; 7,632.00-7,724.00; 4/5/1966

PERF - DAKOTA; 7,754.00-7,782.00; 4/4/1966

Production Casing Cement (plug); 7,818.00-7,829.30; 11/30/1965; TOC @ 6,978' Confirmed by CBL run 01/15/2019

TOC 6825' BY CALCULATION USING 1.22 CUFT/SX & 75% EFFICIENCY. CEMENT 1ST STG W/ 150 SXS REGULAR CMT, 2% GEL, 1% HALAD-9

2; Production1; 4 1/2 in; 4.00 in; 12.00 ftKB; 7,829.25 ftKB