Hilcorp Energy Company

Current Schematic

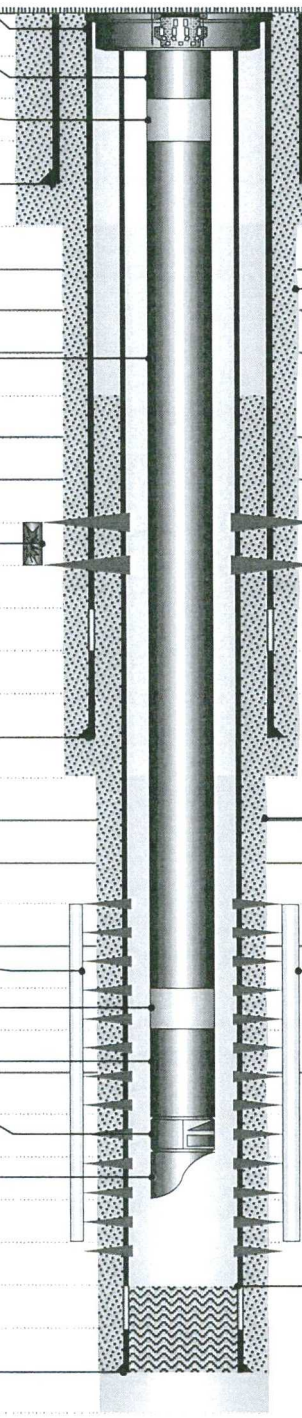
Well Name: SAN JUAN 29-5 UNIT #18B

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3003927785	005-029N-005W-L	MV		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)
6,642.00	6,655.00	13.00		

Vertical, Original Hole, 7/9/2018 2:21:33 PM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
-1.0		
0.0		
13.1		Tubing Hanger; 7 1/16 in; 50.00 lb/ft; 13.0 ftKB; 14.0 ftKB
14.1		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 14.0 ftKB; 44.6 ftKB
44.6		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 44.6 ftKB; 52.6 ftKB
52.5		1; Surface; 9 5/8 in; 9.00 in; 13.0 ftKB; TVD 240FT, STGS SET @237FT, BAFFLE PLATE @174FT; 237.5 ftKB
237.5		
240.2		
1,305.1		NACIMIENTO FORMATION (final)
2,690.0		OJO ALAMO FORMATION (final)
2,901.9		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 52.6 ftKB; 5,790.2 ftKB
3,069.9		
3,193.9		FRUITLAND FORMATION (final)
3,610.9		PICTURED CLIFFS FORMATION (final)
3,622.0		PERF - PICTURED CLIFFS; 3,622.0-3,662.0; 6/12/2018
3,662.1		
3,857.0		
3,858.9		
3,902.9		
3,903.9		2; Intermediate; 7 in; 6.46 in; 13.0 ftKB; FS @ 3904', FC @ 3858'; 3,904.0 ftKB
3,907.2		
4,629.9		CHACRA MESA MEMBER (final)
5,435.0		CLIFF HOUSE FORMATION (final)
5,490.2		
5,518.0		MENEFEE FORMATION (final)
5,790.4		Perforated; 5,490.0-5,880.0; 5/26/2005
5,792.3		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 5,790.2 ftKB; 5,792.2 ftKB
5,814.0		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 5,792.2 ftKB; 5,824.6 ftKB
5,824.5		Profile Nipple; 2 3/8 in; 5,824.6 ftKB; 5,825.7 ftKB
5,825.8		Mule Shoe/Exp Check; 2 3/8 in; 5,825.7 ftKB; 5,826.5 ftKB
5,826.4		
5,879.9		
6,128.0		
6,128.9		3; Production; 4 1/2 in; 4.05 in; 13.0 ftKB; MKR JTS @ 5258', 5248', 5242' & 5238'; 6,131.0 ftKB
6,130.9		
6,134.8		
6,654.9		



Surface Casing Cement; 13.0-237.5; 4/30/2005

Intermediate Casing Cement; 13.0-3,904.0; 5/6/2005

Hydraulic Frac; 6/27/2018; BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. FOAM FRAC'D PICTURED CLIFFS WITH 150,100 LBS 20/40 AND 30,964 GAL 20# LINEAR GEL AND 1.02 MILLION SCF N2. 70 QUALITY. AVG RATE = 48 BPM, AVG PSI = 2468. ISIP WAS 2088 PSI (FOAM FLUSH).

Production Casing Cement; 3,070.0-6,131.0; 5/8/2005; TOC found @ 3070' with Cement Bond LOg run on 05/13/2005

Sand Frac; 5/27/2005

Cement Plug; 6,128.0-6,131.0; 5/8/2005