Hilcorp Energy Company

Current Schematic

Well Name: SAN JUAN 32-7 UNIT #60

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004523688	020-032N-007W-A	DK	0504	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)
6,464.00	6,474.00	10.00		

Vertical, Original Hole, 8/5/2019 11:00:26 AM

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
9.8		
10.2		Tubing Hanger; 7 1/16 in; 4.70 lb/ft; J-55; 10.00 ftKB; 11.00 ftKB
11.2		SURFACE CASING CEMENT; 10.00-375.00; 1/7/1980; CEMENT CIRCULATED TO SURFACE
374.0		
375.0		1; Surface Casing; 9 5/8 in; 8.92 in; 10.00 ftKB; 375.00 ftKB
2,377.0		OJO ALAMO (final)
2,399.9		
2,521.0		Kirtland (final)
2,806.1		Fruitland (final)
3,274.9		INTERMEDIATE CASING CEMENT; 2,400.00-3,741.00; 1/10/1980; CEMENTED WITH 150SX. TOC DETERMINED BY TEMP SURVEY.
3,354.0		Pictured Cliffs (final)
3,541.0		LEWIS (final)
3,740.2		2; Intermediate Casing; 7 in; 6.46 in; 10.00 ftKB; 3,741.00 ftKB
3,741.1		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 11.00 ftKB; 7,891.26 ftKB
4,160.1		
5,360.9		CliffHouse (final)
5,382.9		
5,418.0		Mene PERF - CLIFF HOUSE / MENEFEE UPPER; 5,383.00-5,599.00; 7/9/2019
5,599.1		
5,649.9		Point Lookout (final)
5,673.9		PERF - POINT LOOKOUT; 5,674.00-5,975.00; 7/9/2019
5,975.1		
6,138.1		Mancos (final)
6,608.9		Gallup (final)
6,618.1		
7,764.1		Green Horn (final)
7,821.9		Graneros (final)
7,891.4		Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 7,891.26 ftKB; 7,893.26 ftKB
7,893.4		
7,916.0		Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 7,893.26 ftKB; 7,925.01 ftKB
7,923.9		Dakota (final)
7,924.9		SEAT NIPPLE; 2 3/8 in; 4.70 lb/ft; J-55; 7,925.01 ftKB; 7,926.11 ftKB
7,926.2		EXPENDABLE CHECK; 2 3/8 in; 4.70 lb/ft; J-55; 7,926.11 ftKB; 7,926.71 ftKB
7,926.8		Perforated; 7,916.01-7,972.00; 5/15/1980
7,961.0		
7,972.1		
8,005.9		PBTD; 8,006.00
8,006.9		
8,019.0		
8,020.0		3; Production Casing; 4 1/2 in; 4.00 in; 10.01 ftKB; 8,020.01 ftKB

Stims and Treats; 7/9/2019; PUMP 2ND STG PER DESIGN , PUMP 70% Q FOAM FRAC WITH 204,066# 40/70 SAND FORMATION BROKE @ 3146, MAX PSI 3357 AVG PSI 2359, MAX BH RATE, 56.4 BPM AVG BH RATE 55.2,BPM ISIP825 SI PSI 590 , TOTAL N2, 1609017SCF TOTAL BBL 1153, 5M- 750, 10M - 680, 15M- 630 20M 590

PRODUCTION CASING CEMENT; 3,275.00 -8,020.00; 1/15/1980; CEMENTED WITH 350 SX TOC 3275' DETERMINED BY CBL 06/07/2019

Stims and Treats; 7/9/2019; PUMP 1 ST PER DESIGN , PUMP 70% Q FOAM FRAC WITH 268.514# 40/70 SAND FORMATION BROKE @ 1547, MAX PSI 2902 AVG PSI2222 , MAX BH RATE, 57.2 BPM AVG BH RATE 55.3.,BPM ISIP750 SIPSI 440 , TOTAL N2, 2173234 SCF TOTAL BBL 1563, WEL SHUT IN , SI, PREP FOR 2ND STAGE

Hyd Frac-Slickwater; 5/15/1980; PUMPED 1000 GAL 7-1/2% HCL, PUMPED 10,000 GAL TREATED WATER, FRAC W/ 5000## 40/60 SAND; ON 5/17 FRAC'D W/ 5000# OF 40/60 SAND & 43,260 GAL OF 40# GEL WATER

PLUGBACK; 8,006.00-8,020.00; 1/15/1980