Hilcorp Energy Company

Current Schematic

2.

Well Name: WOODRIVER #2B

0453377	3	Surface Legal Location Field Name 009-030N-008W-E BLANCO MESAVERDE (PRORATED GAS	License No.	State/Province Well Configuration Type NEW MEXICO VERTICAL
ound Elevatio	on (ft)	Original KB/RT Elevation (ft) KB-Ground Dista 6,295.00 13.00	nce (ft)	KB-Casing Flange Distance (ft) KB-Tubing Hanger Distance (ft)
			7/0/00/0	
		VERTICAL, Original Hole	e, 7/9/2018	3 10:27:34 AM
D (ftKB)	TVD (ftKB)	Ve	rtical schema	atic (actual)
13.1	13.1 42.7	1; Surface; 9 5/8 in; 9.00 in; 13.0 ftKB;		Surface Casing Cement; 13.0-190.0; 10/14/2006; CMT CSG AS FOLLOWS: PMI
172.9	172.9 173.9	2ND TIME. SET @ 174' KB. CMT CSG AS FOLLOWS: PMP 5 BBLS F/H2O. PT LINES, OK. PMP 15 BBLS		5 BBLS F/H2O. PT LINES, OK. PMP 15 BBLS F/H2O PRE-FLUSH W/ DYE.
190.0	190.0 444.2	F/H2O. PT LINES, OK. PMP 15 BBLS F/H2O PRE-FLUSH W/ DYE. M&PMP 130 SXS (26.5 BBLS) CL"G" CMT W/.25 ppsx		M&PMP 130 SXS (26.5 BBLS) CL"G" CMT W/.25 ppsx DO29 (CELLO FLK) & 2% CaCL2 @ 15.8 ppg W/1.16 ft#/sx YLD, 4.99
515.1	515.1 885.2	DO29 (CELLO ÉLK) & 2% CaCL2 @ 15.8 ppg W/1.16 ft#/sx YLD, 4.99 gpsx M/H20.		gpsx M/H20. AVG PMP RATE - 3.9 bpm. BMP TOP PLUG WITH 300 psi, HELD OK
1,351.7 -	1,351.7	AVG PMP RATE - 3.9 bpm. BMP TOP PLUG WITH 300 psi, HELD OK . BLED		BLED OFF TO 100 psi & SI CMT'G HEAD. FULL RETURNS, APPROX 10 BBLS
2,103.0	2,103.0	OFF TO 100 psi & SI CMT'G HEAD. FULL RETURNS, APPROX 10 BBLS GOOD CMT SLURRY RETURNED TO SURFACE.:		GOOD CMT SLURRY RETURNED TO SURFACE.
2,470.8	2,470.7	174.0 ftKB		2,470.0; 10/19/2006; 2nd stage: 150 sx Class G cmt. TOC @ 515' per TS
2,629.9	2,629.8 2,817.8	FRUITLAND (final)		10/21/2006. Intermediate Casing Cement; 2,470.0-
3,097.1	3,097.0 ··· 3,212.8 ··			3,322.0; 10/19/2006; 1st stage: 256 sx 50/50 Class G.
,277.9	3,277.7 3,278.1			Hydraulic Frac; 7/2/2018; BROKE DOWN WELL WITH WATER AND 1,000 GAL 15% HCL. FOAM FRAC'D CLIFFHOUSE WITH
3,321.2	3,321.0 3,321.7	2; Intermediate1; 7 in; 6.46 in; 13.1 ftKB; 3,322.0 ftKB		152,5000 LBS 40/70 AND 42,523 GAL SLICKWATER AND 1.36 MILLION SCF N2.
8,807.1	3,806.9 4,151.6	Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 13.0 ftKB; 7,519.5 ftKB		70 QUALITY. AVG RATE = 54 BPM, AVG PSI = 2038. ISIP WAS 300 PSI.
,633.9	4,633.5		-8	Hydraulic Frac; 7/2/2018; BROKE DOWN WELL WITH WATER AND 1,000 GAL 15%
,858.9	4,858.6	— MASSIVE CLIFFHOUSE (final) ———————		HCL. FOAM FRAC'D MENEFEE WITH 201,000 LBS 40/70 AND 62,326 GAL SLICKWATER AND 1.97 MILLION SCF N2.
,863.8	4,863.5	PERF - CLIFF HOUSE MASSIVE; 4,864.0- 4,954.0; 7/2/2018		70 QUALITY. AVG RATE = 55 BPM, AVG PSI = 2266. ISIP WAS 385 PSI.
,961.9	4,961.6 5,044.6			Production Casing Cement; 2,630.0- 7,691.0; 10/25/2006; CMT W/ 494 SX (122
,259.8	5,259.5 5,304.7	PERF - MENEFEE; 5,045.0-5,260.0; 7/2/2018 		BBL) 50/50 G POZ @ 13.0 PPG YLD= 1.40, . TOC @ 2630' per CBL 11/2/2006. Hydraulic Frac; 7/2/2018; BROKE DOWN WELL WITH WATER AND 1 000 GAL 15%
,345.1	5,344.7 5,497.6	DEDE DOINTLOOKOUT F 245 0 5 400 0		Hydraulic Frac; 7/2/2018; BROKE DOWN WELL WITH WATER AND 1,000 GAL 15% HCL. FOAM FRAC'D PT LOOKOUT WITH
,649.9	5,649.5 6,609.4			75,170 LBS 40/70 AND 21,939 GAL SLICKWATER AND 0.756 MILLION SCF
,081.4	7,080.8 - 7,091.3 -			CN2. 70 QUALITY. AVG RATE = 59 BPM, AVG PSI = 3196. ISIP WAS 3245 PSI. DROPPED 15 BIO-BALLS WITH 1/2 OF
,336.9	7,336.3	Tubing Pup Joint; 2 3/8 in; 4.70 lb/ft; J-55; 7,519.5 ftKB; 7,521.6 ftKB		SAND PUMPED. BALLED OUT AND WERE UNABLE TO PUMP SECOND SAND
,450.1	7,449.5	TW Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 7,521.6 ftKB; 7,552.7 ftKB		RAMP.
519.4	7,518.7	Pump Seating Nipple; 2 3/8 in; 7,552.7 ftKB; 7,553.8 ftKB		Hydraulic Fracture; 11/10/2006; FRAC DAKOTA FORMATION. WITH 98994 GAL
,552.8	7,552.2	PERF - DAKOTA; 7,452.0-7,656.0; 11/10/2006 Expendable Check w/ Mule Shoe; 2 3/8 in;		SLICKWATER AND 40000# 20/40 TLC
554.8	7,553.2 7,554.1 7,593.5	7,553.8 ftKB; 7,554.8 ftKB		
655.8 -	7,655.2			Production Casing Cement (plug); 7,689.0-
689.0	7,688.0 -			7,691.0; 10/25/2006; CMT Ŵ/ 494 SX (122 BBL) 50/50 G POZ @ 13.0 PPG YLD=
690.9	7,688.6 7,690.3	3; Production1; 4 1/2 in; 4.00 in; 13.0 ftKB; 7,691.0 ftKB		1.40, . TOC @ 2630' per CBL 11/2/2006.