

District SOUTH	Field Name MV/MNCS/DK	API / UWI 3003930726	County RIO ARRIBA	State/Province NEW MEXICO
Original Spud Date 1/12/2010	Surface Legal Location 010-028N-006W-J	East/West Distance (ft) 1,920.00	East/West Reference FEL	North/South Distance (ft) 1,909.00
				North/South Reference FSL

Well Config: DEVIATED - Original Hole, 11/1/2011, 1:40:37 PM

RKB (MD)	RKB (TVD)	Schematic - Actual	Frm Final
16	16		
19	19		
41	41		
300	300		
351	351	Surface, 9 5/8, 9,001; 16, 335.0	
3,326	3,064		
4,442	4,070		
4,644	4,264	PERF - LEWIS, 4,610-4,644, 9/21/2011	
4,784	4,401	PERF - LEWIS, 4,610-4,644, 9/21/2011	
5,018	4,633	PERF - LEWIS, 4,764-4,784, 9/20/2011	
5,059	4,673	PERF - LEWIS, 4,610-5,107, 10/31/2011	
5,110		Intermediate1; 7; 6,366, 16, 5,042.8	
5,141			
5,220		PERF - CLIFF HOUSE MASSIVE, 5,220-5,492, 10/28/2011	
5,500		PERF - MENELEE, 5,492-5,500, 9/20/2011	
5,542			
5,580		PERF - MENELEE, 5,576-5,580, 9/19/2011	
5,670		PERF - MENELEE, 5,656-5,670, 9/19/2011	
5,790		PERF - MENELEE, 5,542-5,792, 10/28/2011	
5,799		PERF - MENELEE, 5,782-5,790, 9/19/2011	
5,830			
6,399		PERF - POINT LOOKOUT / MENELEE LOWER; 5,830-6,259, 10/27/2011	
6,414			
6,889			
6,898		PERF - MANCOS, 6,890-6,898, 1/4/2011	
7,055		PERF - MANCOS, 6,889-6,991, 4/7/2011	
7,114		PERF - MANCOS, 7,106-7,114, 12/28/2010	
7,262		PERF - MANCOS, 7,106-7,114, 1/3/2011	
7,274		PERF - MANCOS, 7,055-7,210, 4/7/2011	
7,501			
7,510		PERF - MANCOS, 7,264-7,274, 12/28/2010	
		PERF - MANCOS, 7,262-7,315, 4/6/2011	
7,690			
7,715			
7,798		PERF - MANCOS, 7,504-7,510, 12/28/2010	
8,148		PERF - MANCOS, 7,501-7,607, 4/5/2011	
8,152			
8,174		PERF - DAKOTA, 7,798-8,094, 12/20/2010	
		Production1, 4-1/2, 4,000; 16, 8,157.5	