Current Schematic

ConocoPhillips

Well Name: SAN JUAN 31-6 UNIT #7M

API / UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type
3003930324	001-030N-007W-G	MV/DK COM		NEW MEXICO	DEVIATED

Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,334.00	6,350.00	16 00		

Well Config: DEVIATED - Original Hole, 12/5/2008 2:46:13 AM

ftKB (MD)	Schematic - Actual	Frm Final
16		11 60, 4 1/2in, 4.00lbs/ft, ST&C, 16 ftKB
198	PBTD, 198, CIRC 2 BBL'S CMT TO SURFACE	Casing Joints, 9 5/8in, 32 30lbs/ft, H-40, 228 ftKB SURFACE CSG CMT, 16-229, 6/18/2008, CIRC 2 BBL'S CMT TO SURFACE Sawtooth Collar, 9 5/8in, 32 30lbs/ft, H-40, 229 ftKB
228		Intermediate casing, 16-2,692, 9/9/2008, PJSM - 2ND STG CMT = 10 BBL MD CLEAN II, & 2 BBL FRESH WATER SPACER - MIX & PMP 10 BBL OF 11 PPG PREMIUM LITE FM SCAVENGER SLURRY & 145 BBLS OF 12 1 PPG PREMIUM LITE FM LEAD SLRRY. DRP PLUG & DISP W/ 106 BBL OF FRESH WATER, FCP = 776 PSI, BUMP PLUG W/2550 PSI - CHK PLUG, OK 1 BBL BLEED BACK TO TRUCK - FULL RTRNS THROUGHOUT JOB, 54 BBLS CMT RTRNS TO SURFACE - NOTE - PLUG DOWN @ 15:28 HRS ON 9/9/2008
229		
234	Tubing, 2 3/8in, 4 70lbs/ft, L-80, 8,033 ftKB	
2,692	Hyd Frac-Foam N2, 10/29/2008, CLIFF HOUSE/ STIMULATION (5,148'-5,528') 26 TOTAL PERF HOLES START PAD @ 631 PSI FRAC THE WITH 46,085 GALS. 60Q N2 SLICK/FOAM AT 53 BPM WITH 98975 LBS. OF 20/40 BRADY SAND RAN B145 @ 1 GAL/1000 GALS.F103 @ 1.0 F109 @ 3 GL/1000. PUMPED 34 BBL FLUID FLUSH. MIN. RATE: 4 1 BPM. MAX. RATE 53 BPM AVG. RATE 52 BPM. MIN. PSI: 31 PSI. MAX PSI: 2879 PSI. AVG PSI 2098 PSI MAX. SAND CONC. 4 0 PSA ISIP 1130 PSI. FRAC GRADIENT .52 PSI/FT FLUID TO RECOVER (BREAKDOWN, AND FRAC: 1097 CLEAN BBLS) PUMPED1204 SLURRY BBLS.	
2,693		Casing Joints, 7in, 23.00lbs/ft, J-55, 2,692 ftKB Stage Tool, 7in, 23.00lbs/ft, J-55, 2,693 ftKB
4,223		Casing Joints, 4 1/2in, 11.60lbs/ft, L-80, 4,223 ftKB
4,233		Marker Joint, 4 1/2in, 11.60lbs/ft, L-80, 4,233 ftKB
4,945		Casing Joints, 7in, 23.00lbs/ft, J-55, 4,945 ftKB Float Collar, 7in, 23 00lbs/ft, J-55, 4,946 ftKB
4,947		Casing Joints, 7in, 23.00lbs/ft, J-55, 4,989 ftKB
4,989		Intermediate Casing Cement, 2,692-4,990, 9/9/2008, PJSM & R/U CMNTRS - TEST LINES 3500 PSI - 1ST STAGE CMT = 10 BBL GEL MUD, 2 BBL FRSH WTR SPACER - MIX & PMP 10 BBL OF 11 PPG PREMIUM LITE FM SCAVENGER SLRRY, 97 BBLS OF 12.1 PPG PREMIUM LITE FM LEAD SLURRY & 27 BBLS TYPE III & ADDS TAIL SLURRY - DRP PLG & DISP W/100 BBL FRESH WATER & 96 BBLS DRLG MUD, FCP = 1110 PSI, PLUG DOWN @ 09:34 HRS ON9/9/2008, BMP PLG W/1368 PSI, @ 09.34 HRS, CHK FLOATS, OK (1 BBL BLEED BACK TO TRUCK), OPEN STAGE TOOL @ 2692' W/2770 PSI & CIRC 45 BBLS CMT OUT FROM BEHIND CSG - CHANGE OVER TO RIG PUMP
4,990		
5,030	Hyd Frac-Foam N2, 10/28/2008, POINTLOOKOUT/LMF STIMULATION. (5,568'- 6,134') 25 TOTAL PERF HOLES START PAD @ 2141 PSI FRAC THE ZONE WITH 50,374 GALS. 60Q N2 SLICK/FOAM AT 53 BPM WITH 108844 LBS. OF 20/40 ARIZONA SAND. RAN B145 @ 1 0 GAL/1000 GALS.F103 @ 1.0 F104 @ 3 GL/1000. PUMPED 86 BBL FLUID FLUSH MIN. RATE 7.1 BPM. MAX RATE 56.8 BPM AVG. RATE 53 BPM. MIN PSI 33 PSI. MAX. PSI: 3361 PSI. AVG. PSI: 2380 PSI. MAX SAND CONC: 4.0 PSA ISIP: 0 PSI. FRAC GRADIENT: .50 PSI/FT. FLUID TO RECOVER (BREAKDOWN, AND FRAC 1199 CLEAN BBLS). PUMPED1244 SLURRY BBLS.	
5,148		Float Shoe, 7in, 23.00lbs/ft, J-55, 4,990 ftKB Perforated, 5,148-5,528, 10/29/2008
5,528		
5,539		
5,541		
5,568		Perforated, 5,568-6,134, 10/28/2008
6,134		
6,233		
6,235		
6,888	Tubing Pup Joint, 2 3/8in, 4.70lbs/ft, L-80, 8,035 ftKB	Casing Joints, 4 1/2in, 11.60lbs/ft, L-80, 6,888 ftKB
6,898	Tubing, 2 3/8in, 4.70lbs/ft, L-80, 8,067 ftKB Profile Nipple, 2 3/8in, 8,067 ftKB	Marker Joint, 4 1/2in, 11.60lbs/ft, L-80, 6,898 ftKB
7,994	Mule Shoe Guide, 2 3/8in, 8,068 ftKB Hyd Frac-Slickwater, 10/28/2008, STIMULATE DAKOTA (7,994'-8,142') START B/D @ 5.2 BPM BROKE @ 4144 PSI/ FRAC THE ZONE WITH 93164 GALS. SLICKWATER AT 46 BPM WITH 28,000 LBS. OF TLC 20/40 SAND RAN F103 @ .5 GAL/1000 GALS. B145 @ 1.7 PUMPED 122 BBL FLUID FLUSH. MIN. RATE: 5.2 BPM. MAX. RATE: 46 BPM AVG RATE. 43 BPM. MIN PSI 12 PSI. MAX PSI 6900 PSI. AVG. PSI 4214. MAX SAND CONC: .75 PSA. ISIP. 2404 PSI FRAC GRADIENT. .97 PSI/FT. FLUID TO RECOVER (BREAKDOWN, AND FRAC. 2218 CLEAN BBLS).	
8,033		Perforated, 7,994-8,142, 10/28/2008
8,035		Casing Joints, 4 1/2in, 11.60lbs/ft, L-80, 8,153 ftKB Float Collar, 4 1/2in, 8,154 ftKB
8,067		Production Casing Cement, 4,350-8,155, 9/15/2008, JSM - R/U CEMENTERS -TEST LINES 3500 PSI F/5 MIN, OK - CMT 4 1/2" CSG - PUMP 10 BBLS MUD CLEAN II, 2 BBL WATER SPACER - MIX & PUMP 5 BBLS 11 PPG SCAVENGER CMT, MIX & PUMP 85 BBLS OF 12.5 PPG TAIL CMT.SHUT DOWN, DROP PLUG, FLUSH PUMP & LINES W/15 BBLS WATER DISP W/117 BBLS WATER (FIRST 10 BBLS SUGAR WATER) @ 5 BPM, FCP 55 PSI BUMP PLUG W/1100 PSI (HOLD PSI F/10 MIN, OK) CHECK FLOATS, OK (1/2 BBL BLEED BACK TO TRUCK), PLUG DOWN @ 15 48 HRS ON 9/15//2008 - CMT IS PREMIUM LITE H.S FM, 12.5 PPG / YIELD-1 98 CFS / WATER-9 8 GPS
8,068		
8,068		
8,142		
8,153		
8,154	(CUT SAND @ BLENDER DUE TO PSI INCREASE FLUSH TO 100' ABOVE TOP PERF)	
8,156		Cement Plug, 8,143-8,155, 9/15/2008 Float Shoe, 4 1/2in, 8,155 ftKB
8,158	TD, 8,158	Cement plug, 8,155-8,158, 9/15/2008