

Burlington Resources Oil & Gas Company

Current Schematic

ConocoPhillips

Well Name: CULPEPPER MARTIN #16N

API # 3004534791

API / UWI 3004534791	Surface Legal Location 004-031N-012W-E	Field Name MV/DK COM	License No	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 5,974.00	Original KB Elevation (ft) 5,989.00	KB-Ground Distance (ft) 15.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Well Config: VERTICAL - Original Hole: 5/14/2009 9:10:01 AM

ftKB (MD)	Schematic - Actual	Form-Final
15	PBTD, 184, CIRC 1 BBL CMT TO SURFACE	Casing Hanger, 7in, 20.00lbs/ft, J-55, 16 ftKB
16	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 6,962 ftKB	Casing Hanger, 4 1/2in, 11.60lbs/ft, J-55, 16 ftKB
16	Hyd Frac-Foam N2, 3/6/2009, POINTLOOKOUT/LMF STIMULATION (4703'-4972')	Casing Hanger, 9 5/8in, 32.30lbs/ft, H-40, 18 ftKB
18	START 15% HCL BREAKDOWN THE ZONE AT 730 PSI @ 5 BPM	Casing Pup Joint, 4 1/2in, 11.60lbs/ft, J-55, 26 ftKB
26	FRAC THE ZONE WITH 107,940 GALS 60Q N2 SLICK/FOAM AT 50 TO 65 BPM WITH 94,171 LBS OF 20/40	Casing Joints, 9 5/8in, 32.30lbs/ft, H-40, 229 ftKB
184	BRADY SAND - RAN B145 @ 1 GAL/1000 GALS F103 @ 1.0 F104 @ 3 GL/1000 PUMPED 78 BBL FLUID FLUSH	SURFACE CSG CMT, 15-230, 11/21/2008, CIRC 1 BBL CMT TO SURFACE
229	MIN RATE 5 BPM MAX RATE 65 BPM AVG RATE 60 BPM	Sawtooth Collar, 9 5/8in, 32.30lbs/ft, H-40, 230 ftKB
230	MIN PSI: 876 PSI MAX PSI 2780 PSI AVG PSI: 2084 PSI MAX SAND CONC 3.9 PSA ISIP 1042 PSI FRAC GRADIENT .50 PSI/FT (BASED OFF ISDP) FLUID TO RECOVER (BREAKDOWN, ACID AND FRAC 1056 CLEAN BBLs) PUMPED 1158 SLURRY BBLs	Casing Joints, 4 1/2in, 11.60lbs/ft, J-55, 440 ftKB
235	TOTAL N2 1,190,700 SCF	Casing Joints, 4 1/2in, 10.50lbs/ft, J-55, 3,078 ftKB
3,078	Tubing Pup Joint, 2 3/8in, 4.70lbs/ft, J-55, 6,964 ftKB	Marker Joint, 4 1/2in, 10.50lbs/ft, J-55, 3,087 ftKB
3,087	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 6,995 ftKB	Casing Joints, 7in, 20.00lbs/ft, J-55, 3,898 ftKB
3,898	Hyd Frac-Slickwater, 3/5/2009, FRAC THE DAKOTA ZONE (6,892'-7,070')	Casing Joints, 7in, 20.00lbs/ft, J-55, 3,940 ftKB
3,940	START LOADING WELL AT 5 BPM WITH 6 BBLs OF 2% KCL WATER BD FORMATION AT 710 PSI. CONTINUED WITH 15 BBLs OF 15% HCL ACID AT 7.4 BPM AT 308 PSI. WELL LOADED AT 6 BBLs PUMPED	Casing Joints, 7in, 23.00lbs/ft, J-55, 4,318 ftKB
4,319	STARTED INTO FRAC FRAC THE DAKOTA ZONE WITH 85 Q	Float Collar, 7in, 23.00lbs/ft, L-80, 4,319 ftKB
4,319	SLICKFOAM AT 32.8 BPM WITH 24,337 LBS OF 20/40 BRADY SAND	Casing Joints, 7in, 23.00lbs/ft, J-55, 4,361 ftKB
4,361	RAN FRICTION REDUCER (B-145) AT 1.00 GAL/1000 GALLONS SURFACTANT (F-108) AT 2 GAL/1000 GALLONS FOAMER (F-109) AT 3.0 GAL/1000 GALLONS DE-EMULSIFIER W-45 AT 2 GAL/1000 GALLONS	Intermediate Casing Cement, 15-4,362, 1/30/2009, TEST LINES TO 3000 PSI, PUMP 10 BBL GELW, 10 BBL F.W, 15 SX (10 BBL) SCAVENGER @ 10.3 PPG, 492 SX (162 BBL) LEAD @ 11.7 PPG, 111 SX (25 BBL) 50/50 POZ/G TAIL @ 13.5 PPG, DROP PLUG AND DISPLACE WITH 174 BBL FW, CIRCULATED 60 BBL CMT TO SURFACE, LAND PLUG, CHECK FLOAT, 1 BBL BACK TO UNIT
4,362	TOTAL N2 FOR JOB 4,402,600 SCF PUMPED 16.1 BBL FLUID 83,900 SCF FLUSH. MIN RATE 28 BPM MAX RATE 43.2 BPM AVERAGE RATE 32.8 BPM MIN PRESSURE 1 PSI MAX PRESSURE 4227 PSI AVERAGE PRESSURE 3961 PSI MAX SAND CONC. 1.5 PSA ISIP 3460 PSI FRAC GRADIENT AVERAGE .71 PSI/FT FLUID TO RECOVER (BREAKDOWN, ACID AND FRAC 787.3 CLEAN BBLs) PUMPED 813.6 SLURRY BBLs	Float Shoe, 7in, 23.00lbs/ft, L-80, 4,362 ftKB
4,371	PERFORATED, 6,892-6,980, 3/5/2009	Casing Joints, 4 1/2in, 10.50lbs/ft, J-55, 6,709 ftKB
4,703	PERFORATED, 6,992-7,070, 3/5/2009	Marker Joint, 4 1/2in, 10.50lbs/ft, J-55, 6,719 ftKB
4,972	PERFORATED, 6,992-7,070, 3/5/2009	
6,709	PERFORATED, 6,992-7,070, 3/5/2009	
6,719	PERFORATED, 6,992-7,070, 3/5/2009	
6,892	PERFORATED, 6,992-7,070, 3/5/2009	
6,963	PERFORATED, 6,992-7,070, 3/5/2009	
6,965	PERFORATED, 6,992-7,070, 3/5/2009	
6,980	PERFORATED, 6,992-7,070, 3/5/2009	
6,992	PERFORATED, 6,992-7,070, 3/5/2009	
6,995	PERFORATED, 6,992-7,070, 3/5/2009	
6,996	PERFORATED, 6,992-7,070, 3/5/2009	
6,996	PERFORATED, 6,992-7,070, 3/5/2009	
7,070	PERFORATED, 6,992-7,070, 3/5/2009	
7,100	PERFORATED, 6,992-7,070, 3/5/2009	
7,101	PERFORATED, 6,992-7,070, 3/5/2009	
7,102	PERFORATED, 6,992-7,070, 3/5/2009	
7,103	PERFORATED, 6,992-7,070, 3/5/2009	

RCVD MAY 22 '09
OIL CONS. DIV.

DIST. 3