Current Schematic

ConocoPhillips

Well Name: STATE COM SRC #1C

RCVD JUL 21 '11
OIL CONS. DIV.
DIST. 3

API / UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type
3004535061	002-029N-008W-F	MV/DK COM		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)
6,103.00	6,118.00	15.00		

Well Config: VERTICAL - Original Hole, 7/13/2011 6:51:34 AM

ftKB (MD)	Schematic - Actual	Frm Final
0		
1		
15		
15		
16		
17		
18		
25	SURFACE CSG CMT, 15-25, 2/14/2011, CIRC 3 BBLS OF GOOD CMT TO SURFACE	
66	SURFACE CSG CMT, 25-231, 2/14/2011, H20 & CMT FELL BACK DOWNHOLE, NEED TO TOP SET	
102	Surface, 9 5/8in, 9 001in, 15 ftKB, 231 ftKB	
199	Intermediate Casing Cement, 15-3,372, 3/30/2011, PUMP 19 SKS PREMIUM LITE CMT AS SCAVENGER W/ 3% CACL, 25 LB/SK CELLO FLAKES, 5 PPS LCM-1, 0 4% FL-52, 8% BENTONITE & 0 4% SMS @	
200	11 PPG, 10 BBL SLURRY, YIELD 3 02, MIX WTR 17 89 GPS	
230		
231	LEAD PUMP 368 SKS PREMIUM LITE LEAD CMT W/ 3% CACL, 25 LB/SK CELLO FLAKES, 5 PPS LCM-1, 0 4% FL-52, 8 % BENTONITE & 0 4 % SMS @ 12 1 PPG, 139 BBLS OF SLURRY, YIELD 2 13, MIX WTR	
236	11 29 GPS	
1,781		OJO ALAMO, 1,781
1,990	TAIL IN W/ 80 SKS TYPE III CMT W/ 1 % CACL, 25 LB/SK CELLO FLAKES & 0 2 % FL-52 @ 14 6 PPG, 20 BBLS OF SLURRY, MIX WTR	KIRTLAND, 1,990
2,594	6 64 GPS	FRUITLAND, 2,594
2,872	SHUT DOWN DROP PLUG DISPLACE W/ 134 7 BBLS FW BUMP	PICTURED CLIFFS, 2,872
3,033	PLUG FROM 1010 PSI TO 1540 PSI @ 20 07HRS 03/30/2011 HELD 1540 PSI FOR 10 MIN CHECK FLOAT SLIGHT FLOW, INCREASE	LEWIS, 3,033
3,327	Tubing, 2 3/8in, 4 70lbs/ft, J-55, 15 ftKB, 7,194 ftKB	
3,328	Hyd Frac-Foam N2, 5/6/2011, LEWIS/ STIMULATION (3,868'-4,276') 23 TOTAL PERF HOLES START ON 75% VISCO ELASTIC PAD @ 1844 PSI @ 30 BPM, FRAC WITH	
3,371	25,830 GALS 75% VISCO ELASTIC N2 @ 31 BPM WITH 60,940 LBS OF 20/40 ARIZONA SAND FAC-3 10 0 GAL/1000, PUMPED 58 BBLS FOAM FLUSH MIN	
3,372	RATE 30 BPM MAX RATE 32 BPM AVG RATE 31 BPM MIN PSI 1710 PSI MAX PSI 1844 PSI AVG PSI	
3,385	1753 PSI MAX SAND CONC 4 25 PSA ISIP 1415 PSI FRAC, FLUID TO RECOVER (BREAKDOWN, AND FRAC	
3,497	615 CLEAN BBLS) 634 SLURRY BBLS, TOTAL N2 1,253,000 SCF	
3,507	Hyd Frac-Foam N2, 5/5/2011, CLIFF HOUSE/	HUERFANITO BENTONITE, 3,546
3,546	STIMULATION (4,392'-4,762') 24 TOTAL PERF HOLES START ON 15% HCL ACID @ 5 0 BPM @ 86 PSI, BROKE	
3,842	@ 4127, START 70% SLICK FOAM PAD @ 2886 PSI @ 70 BPM, FRAC W/ 34,566 GALS 70 Q N2 SLICK/FOAM @ 75	CHACRA, 3,842
3,868	BPM WITH 97 786 LBS OF 20/40 ARIZONA SAND FRW-20 @ 50 GAL/1000 GALS FAW-4 @ 3 0 GAL/1000,	Perforated, 3,868-4,276, 5/5/2011
4,276	INFLOW 250W @ 1 0 GL/1000, GBW-5 @ 50 LBS/1000, PUMPED 68 BBLS FLUID FLUSH SPOT 10 BBLS OF 15%	
4,389	HCL ACROSS LW FORMATION MIN RATE 70 BPM MAX RATE 76 BPM AVG RATE 75 BPM MIN PSI	UPPER CLIFF HOUSE, 4,389
4,392	2886 PSI MAX PSI 3980 PSI AVG PSI 3787 PSI MAX SAND CONC 5 00 PSA ISIP VACI FRAC, FLUID TO	
4,588	RECOVER (BREAKDOWN, AND FRAC 823 CLEAN BBLS) 962 SLURRY BBLS, TOTAL N2 1,189,000 SCF	Perforated, 4,392-4,762, 5/5/2011
4,713	Hyd Frac-Foam N2, 5/5/2011, POINTLOOKOUT/LMF	MASSIVE CLIFF HOUSE, 4,588
4,762	STIMULATION (4,862'-5,174') 23 TOTAL PERF HOLES, START LOAD & BREAKDOWN ON 2% KCL @ 5 0 BPM	MENEFEE, 4,713
4,778	BROKE @ 1662 PSI, START 15% HCL ACID @ 5 0 BPM @ 0 PSI TOTAL 10 BBLS, STARTSLICK 70% FOAM PAD @	
4,862	4389 PSI@ 90 BPM FRAC THE ZONE WITH 35,952 GALS 70Q N2 SLICK/ @ 90 BPM WITH 101,119 LBS OF 20/40	
5,048	ARIZONA SAND RAN FRW-20 @ 1 00 GAL/1000 GALS INFLO 250W @ 75 GAL/1000, FAW-4 @ 3 0	Perforated, 4,862-5,174, 5/5/2011
5,174	GAL/1000, GBW-5 @ 50LBS/1000, PUMPED 75 BBLS FLUID FLUSH MIN RATE 80 BPM MAX RATE 92	POINT LOOKOUT, 5,048
5,506	BPM AVG RATE 90 BPM MIN PSI 3499 PSI MAX PSI 5208 PSI AVG PSI 4389 PSI MAX SAND CONC 5 00	Perforated, 7,170-7,348, 5/4/2011
6,314	PSA ISIP VACI FRAC, FLUID TO RECOVER (BREAKDOWN, AND FRAC 856 CLEAN BBLS) PUMPED	MANCOS, 5,506
6,964	989 SLURRY BBLS TOTAL N2 1 292 000 SCF	UPPER GALLUP, 6,314
6,974		
7,060	PUMP SCAVENGER 9 SKS (5 BBLS SLURRY)PREMIUM LITE HS FM CMT W/ 0 25 PPS CELLO FLAKE, 0 3% CD-32, 6 25PPS LCM-1, & 1%,FL-52 @ 11 PPG, 3 10 CUFT/SK, 28 CUFT	GREENHORN, 7,060
7,115	PUMP TAIL 283 SKS (100 BBLS SLURRY)PREMIUM LITE HS FM CMT	GRANEROS, 7,115
7,167	W/ 0 25 PPS CELLO FLAKE, 0 3% CD-32, 6 25PPS LCM-1, & 1%,FL-52 @ 12 5 PPG, 1 98 CUFT/SK, 611 CUFT	TWO WELLS, 7,167
7,170	Tubing Pup Joint, 2 3/8in, 4 70lbs/ft, J-55, 7,194 ftKB, 7,196 ftKB	
7,194	Tubing, 2 3/8in, 4 70lbs/ft, J-55, 7,196 ftKB, 7,227 ftKB	
7,196	Profile Nipple, 2 3/8in, 7,227 ftKB, 7,228 ftKB	
7,227	Mule Shoe Guide, 2 3/8in, 7,228 ftKB, 7,229 ftKB	
7,228	Hyd Frac-Foam N2, 5/5/2011, STIMULATE DAKOTA (7,170'-7,348') 60 PERF, START BREAK DOWN WITH 2 % KCL WATER @ 5 0 BPM BROKE @ 2919 PSI START 15% HCL ACID @ 5 0 @ 1988 PSI TOTAL 10 BBLS, START	
7,229	70% FOAM SLICKWATER PAD @ 53 BPM @ 5282 PSI FRAC ZONE W/ 39,774 GALS WITH 39,747 LBS OF	
7,248	ARIZONA 20/40 SAND RAN IN-FLOW 250W @ 1 0 GAL/1000 GALS, FRW-20 @ 1 0 GALS/1000, GBW-5 @ 50	
7,273	LBS/1000, FRW-4 @ 3 0 GALS/1000 PUMPED 110 BBL FLUID FLUSH MIN RATE 50 BPM MAX RATE 53 BPM	
7,298	AVG RATE 51 BPM MIN PSI 4895 PSI MAX PSI 5308 PSI AVG PSI 5060 MAX SAND CONC 2 50 PSA ISIP	
7,348	2272 PSI FLUID TO RECOVER (BREAKDOWN, FRAC 947 CLEAN BBLS, 982 SLURRY, N2 2,208,000 SCF	
7,350	PBTD, 7,350	
7,350		
7,351		
7,352		
7,356	TD, 7,356, 4/2/2011	

Production Casing Cement, 7,352-7,356, 4/3/2011, PUMP 5 BBLS TO FLUSH OUT CMT LINES & PUMP PREFLUSH W/ 10 BBLS GEL WATER, 2 BBLS WATER

PUMP SCAVENGER 9 SKS (5 BBLS SLURRY)PREMIUM LITE HS FM CMT W/ 0 25 PPS CELLO FLAKE, 0 3% CD-32, 6 25PPS LCM-1, & 1%,FL-52 @ 11 PPG, 3 10 CUFT/SK, 28 CUFT

PUMP TAIL 283 SKS (100 BBLS SLURRY)PREMIUM LITE HS FM CMT W/ 0 25 PPS CELLO FLAKE, 0 3% CD-32, 6 25PPS LCM-1, & 1%,FL-52 @ 12 5 PPG, 1 98 CUFT/SK, 611 CUFT

SHUT DOWN, WASH PUMP & LINES W/ 15 BBLS FRESH WATER DROP PLUG & DISPLACE W/114 BBLS WATER (1ST 10 BBLS W/ SUGAR) PRESSURE PRIOR TO PLUG DOWN -856 PSI, BUMP LATCH IN PLUG W/ 1616 PSI @ 10 48 HRS CHECK - FLOAT 10 MIN PRESSURE 1616 PSI / BLED BACK 1 BBL, FLOAT HELD (OK)

Production1, 4 1/2in, 4 000in, 15 ftKB, RAN 172 JTS OF 4 1/2" 11 6# L-80 LT&C TO 7351 8', FLOAT SHOE @ 7351, FLOAT COLLAR @ 7350 4, MARKER JTS @ 6964 0' & 3496 8', 7,352 ftKB

Production Casing Cement, 7,352-7,356, 4/3/2011, PUMP 5 BBLS TO FLUSH OUT CMT LINES & PUMP PREFLUSH W/ 10 BBLS GEL WATER, 2 BBLS WATER

PUMP SCAVENGER 9 SKS (5 BBLS SLURRY)PREMIUM LITE HS FM CMT W/ 0 25 PPS CELLO FLAKE, 0 3% CD-32, 6 25PPS LCM-1, & 1%,FL-52 @ 11 PPG, 3 10 CUFT/SK, 28 CUFT

PUMP TAIL 283 SKS (100 BBLS SLURRY)PREMIUM LITE HS FM CMT W/ 0 25 PPS CELLO FLAKE, 0 3% CD-32, 6 25PPS LCM-1, & 1%,FL-52 @ 12 5 PPG, 1 98 CUFT/SK, 611 CUFT

SHUT DOWN, WASH PUMP & LINES W/ 15 BBLS FRESH WATER DROP PLUG & DISPLACE W/114 BBLS WATER (1ST 10 BBLS W/ SUGAR) PRESSURE PRIOR TO PLUG DOWN -856 PSI, BUMP LATCH IN PLUG W/ 1616 PSI @ 10 48 HRS CHECK - FLOAT 10 MIN PRESSURE 1616 PSI / BLED BACK 1 BBL, FLOAT HELD (OK)

PAGUATE, 7,248
UPPER CUBERO, 7,273
LOWER CUBERO, 7,298

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