

30-039-29896

ConocoPhillips

Directional Survey

SAN JUAN 29.5 UNIT #048A

Wellbore Name Main Hole	Parent Wellbore Main Hole	Kick Off Depth (ftKB) 15.0	Vertical Section Direction (°) 0.00
Date 9/30/2006	Definitive?	Description Teledrift	Proposed?
MD Tie In (ftKB) 15.00	TVD Tie In (ftKB) 15.00	Inclination Tie In (°) 0.00	Azimuth Tie In (°) 0.00
		NS Tie In (ft) 0.00	EW Tie In (ft) 0.00

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company
9/11/2006	100.00	0.50	0.00	100.00	0.37	0.37	0.00	0.59	Incl	Aztec
9/11/2006	200.00	0.75	0.00	199.99	1.46	1.46	0.00	0.25	Incl	Aztec
9/14/2006	500.00	0.50	0.00	499.97	4.73	4.73	0.00	0.08	Incl	Aztec
9/14/2006	1,000.00	0.50	0.00	999.96	9.10	9.10	0.00	0.00	Incl	Aztec
9/14/2006	1,500.00	0.50	0.00	1,499.94	13.46	13.46	0.00	0.00	Incl	Aztec
9/15/2006	2,000.00	1.00	0.00	1,999.89	20.01	20.01	0.00	0.10	Incl	Aztec
9/15/2006	2,500.00	1.00	0.00	2,499.82	28.73	28.73	0.00	0.00	Incl	Aztec
9/15/2006	3,000.00	0.50	0.00	2,999.77	35.28	35.28	0.00	0.10	Incl	Aztec
9/15/2006	3,500.00	0.50	0.00	3,499.75	39.64	39.64	0.00	0.00	Incl	Aztec
9/15/2006	3,937.00	0.50	0.00	3,936.74	43.45	43.45	0.00	0.00	Incl	Aztec
9/30/2006	6,121.00	2.50	0.00	6,119.88	100.62	100.62	0.00	0.09	Incl	Aztec

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