

Directional Survey

ConocoPhillips

SAN JUAN 32 7 UNIT #038

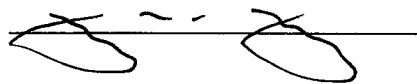
45-33690 ?

Wellbore Name Main Hole		Parent Wellbore		Kick Off Depth (ftKB)		Vertical Section Direction (°)	
Date 8/19/2006		Definitive? No		Description TOTCO		Proposed? No	
MD Tie In (ftKB)	TVDTie In (ftKB)	Inclination Tie In (°)		Azimuth Tie In (°)		NSTie In (ft)	EWTie In (ft)

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company
8/19/2006	250.00	0.50	0.00	250.00	1.09	1.09	0.00	0.20		TOTCO
8/19/2006	550.00	0.50	0.00	549.99	3.71	3.71	0.00	0.00	MWD	TOTCO
8/20/2006	644.00	0.50	0.00	643.98	4.53	4.53	0.00	0.00	MWD	TOTCO
8/20/2006	1,080.00	0.75	0.00	1,079.96	9.29	9.29	0.00	0.06	MWD	TOTCO
8/20/2006	1,540.00	0.50	0.00	1,539.93	14.30	14.30	0.00	0.05	MWD	TOTCO
8/20/2006	1,949.00	0.50	0.00	1,948.91	17.87	17.87	0.00	0.00	MWD	TOTCO
8/21/2006	2,360.00	0.50	0.00	2,359.90	21.46	21.46	0.00	0.00	MWD	TOTCO
8/21/2006	2,900.00	0.50	0.00	2,899.88	26.17	26.17	0.00	0.00	MWD	TOTCO
8/21/2006	3,280.00	0.50	0.00	3,279.86	29.49	29.49	0.00	0.00	MWD	TOTCO
8/21/2006	3,782.00	0.50	0.00	3,781.84	33.87	33.87	0.00	0.00	MWD	TOTCO
8/29/2006	8,097.00	1.25	0.00	8,096.31	99.76	99.76	0.00	0.02	MWD	TOTCO

RCVD NOV21'06
OIL CONS. DIV.
DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.



Subscribed and sworn to me this 20 November 06

Joan Farrell

Notary Public in and for San Juan County, New Mexico

My commission expires January 13, 2010

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