



COP Deviation Report
SAN JUAN 32 FED 15 #001

NOV 9 2006
RIO ARriba
CAL CONS. DIV.
DIST. 3

Operator CONOCOPHILLIPS	Legal WellName SAN JUAN 32 FED 15 #001	API / UWI 300453308800	County RIO ARriba	State/Province NEW MEXICO
Surface Legal Location NMPM-32N-09W-15-A	N/S Dist (ft) 270.00	N/S Ref N	E/W Dist (ft) 697.00	E/W Ref E

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/30/2006			MWD	Scientific Drilling
5/30/2006			MWD	Scientific Drilling
5/30/2006			MWD	Scientific Drilling
5/30/2006			MWD	Scientific Drilling
5/30/2006	0.00	0.00	MWD	RYAN
5/30/2006	0.00	0.00	MWD	Scientific Drilling
	245.00	2.37	MWD	RYAN
5/30/2006	245.00	2.37	MWD	Scientific Drilling
5/30/2006	355.00	2.50	MWD	Scientific Drilling
	355.00	2.50	MWD	RYAN
5/30/2006	448.00	6.70	MWD	Scientific Drilling
	448.00	6.70	MWD	RYAN
	539.00	7.60	MWD	RYAN
	622.00	8.50	MWD	RYAN
	714.00	9.70	MWD	RYAN
	806.00	9.40	MWD	RYAN
	901.00	10.70	MWD	RYAN
	995.00	10.60	MWD	RYAN
	1,090.00	10.20	MWD	RYAN
	1,184.00	9.90	MWD	RYAN
	1,277.00	9.60	MWD	RYAN
	1,369.00	10.70	MWD	RYAN
	1,463.00	10.30	MWD	RYAN
	1,557.00	9.90	MWD	RYAN
	1,651.00	9.10	MWD	RYAN
	1,746.00	10.20	MWD	RYAN
	1,839.00	9.80	MWD	RYAN
	1,933.00	10.46	MWD	RYAN
	2,027.00	9.58	MWD	RYAN
	2,120.00	10.38	MWD	RYAN
	2,212.00	11.50	MWD	RYAN
	2,305.00	10.82	MWD	RYAN
	2,398.00	11.43	MWD	RYAN
	2,492.00	10.60	MWD	RYAN
	2,586.00	10.60	MWD	RYAN
	2,680.00	10.20	MWD	RYAN

Directional Survey.

I, the undersigned, certify that I acting in my capacity as _____ 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 _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

8/11/15/06

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
	2,774.00	9.60	MWD	RYAN
	2,867.00	8.00	MWD	RYAN
	2,960.00	6.60	MWD	RYAN
	3,055.00	5.40	MWD	
	3,149.00	3.60	MWD	RYAN
	3,240.00	2.29	MWD	RYAN
	3,335.00	2.25	MWD	RYAN
	3,430.00	2.20	MWD	RYAN
	3,498.00	2.20	MWD	RYAN

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 9th day of Nov. 2006

Amanda Sainch
 Notary Public in and for San Juan County, New Mexico

My Commission expires March 26, 2010