



COP Deviation Report

SAN JUAN 32-7 UNIT #19M

Operator CONOCOPHILLIPS COMPANY	Legal WellName SAN JUAN 32-7 UNIT #19M	API / UWI 3004534599	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 004-031N-007W-K		N/S Dist (ft) 2,525.00	N/S Ref FSL	E/W Dist (ft) 2,000.00
E/W Ref FWL				

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
9/1/2009	130.00	1.00	DEVIATION	MOTE	
9/2/2009	230.00	1.75	DEVIATION	MOTE	
9/6/2009	301.00	1.10	MWD	Scientific Drilling	
9/6/2009	363.00	1.08	MWD	Scientific Drilling	
9/6/2009	424.00	1.04	MWD	Scientific Drilling	
9/6/2009	487.00	0.86	MWD	Scientific Drilling	
9/6/2009	549.00	1.26	MWD	Scientific Drilling	
9/6/2009	610.00	2.16	MWD	Scientific Drilling	
9/6/2009	672.00	3.49	MWD	Scientific Drilling	
9/6/2009	734.00	3.90	MWD	Scientific Drilling	
9/6/2009	801.00	5.32	MWD	Scientific Drilling	
9/6/2009	864.00	6.12	MWD	Scientific Drilling	
9/6/2009	928.00	7.15	MWD	Scientific Drilling	
9/6/2009	991.00	8.39	MWD	Scientific Drilling	
9/6/2009	1,054.00	9.76	MWD	Scientific Drilling	
9/6/2009	1,117.00	10.72	MWD	Scientific Drilling	
9/6/2009	1,181.00	11.74	MWD	Scientific Drilling	
9/7/2009	1,244.00	13.24	MWD	Scientific Drilling	
9/7/2009	1,307.00	13.57	MWD	Scientific Drilling	
9/7/2009	1,371.00	14.56	MWD	Scientific Drilling	
9/7/2009	1,435.00	15.96	MWD	Scientific Drilling	
9/7/2009	1,499.00	16.85	MWD	Scientific Drilling	
9/7/2009	1,562.00	18.05	MWD	Scientific Drilling	
9/7/2009	1,625.00	18.62	MWD	Scientific Drilling	
9/7/2009	1,688.00	19.87	MWD	Scientific Drilling	
9/7/2009	1,752.00	21.17	MWD	Scientific Drilling	
9/7/2009	1,816.00	22.45	MWD	Scientific Drilling	
9/7/2009	1,879.00	23.81	MWD	Scientific Drilling	
9/7/2009	1,943.00	24.23	MWD	Scientific Drilling	
9/7/2009	2,007.00	24.90	MWD	Scientific Drilling	
9/7/2009	2,071.00	24.78	MWD	Scientific Drilling	
9/7/2009	2,134.00	25.22	MWD	Scientific Drilling	
9/7/2009	2,197.00	25.12	MWD	Scientific Drilling	
9/7/2009	2,260.00	24.70	MWD	Scientific Drilling	
9/7/2009	2,324.00	24.45	MWD	Scientific Drilling	
9/7/2009	2,387.00	24.26	MWD	Scientific Drilling	

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 _____

ROUD DEC 2 2009
JIL CAS DIV.
DIST. 3

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
9/7/2009	2,450.00	23.86	MWD	Scientific Drilling
9/7/2009	2,513.00	24.07	MWD	Scientific Drilling
9/7/2009	2,577.00	24.25	MWD	Scientific Drilling
9/7/2009	2,640.00	24.68	MWD	Scientific Drilling
9/7/2009	2,704.00	24.82	MWD	Scientific Drilling
9/7/2009	2,768.00	25.45	MWD	Scientific Drilling
9/7/2009	2,832.00	25.53	MWD	Scientific Drilling
9/7/2009	2,895.00	25.35	MWD	Scientific Drilling
9/7/2009	2,959.00	25.45	MWD	Scientific Drilling
9/7/2009	3,023.00	24.40	MWD	Scientific Drilling
9/7/2009	3,087.00	22.36	MWD	Scientific Drilling
9/7/2009	3,151.00	20.29	MWD	Scientific Drilling
9/7/2009	3,213.00	18.90	MWD	Scientific Drilling
9/7/2009	3,276.00	17.34	MWD	Scientific Drilling
9/8/2009	3,340.00	15.32	MWD	Scientific Drilling
9/8/2009	3,403.00	13.37	MWD	Scientific Drilling
9/8/2009	3,466.00	12.23	MWD	Scientific Drilling
9/8/2009	3,530.00	11.53	MWD	Scientific Drilling
9/8/2009	3,594.00	10.83	MWD	Scientific Drilling
9/8/2009	3,657.00	9.05	MWD	Scientific Drilling
9/8/2009	3,721.00	7.49	MWD	Scientific Drilling
9/8/2009	3,784.00	6.56	MWD	Scientific Drilling
9/8/2009	3,847.00	5.54	MWD	Scientific Drilling
9/8/2009	3,920.00	3.95	MWD	Scientific Drilling
9/8/2009	3,970.00	3.25	Extrap	Scientific Drilling
9/16/2009	8,310.00	2.50	FINAL BHS	PHOENIX

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.

[Signature]

Subscribed and sworn to me this Nov. 30, 2009

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010