



COP Deviation Report
JOHNSTON FEDERAL #9M

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName JOHNSTON FEDERAL #9M	API / UWI 3004535151	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 035-031N-009W-B	N/S Dist (ft) 695.00	N/S Ref FNL	E/W Dist (ft) 1,406.00	E/W Ref FEL

Survey Data					
Date	MD (RKB)	Incl (°)	Method	Survey Company	
7/29/2011	130.00	1.00	Inc-WL	MOTE	
7/29/2011	236.00	1.75	Inc-WL	MOTE	
8/12/2011	700.00	1.00	Inc-MWD	Aztec / Teledrift	
8/12/2011	1,200.00	1.00	Inc-MWD	Aztec / Teledrift	
8/12/2011	1,700.00	1.00	Inc-MWD	Aztec / Teledrift	
8/12/2011	2,200.00	1.00	Inc-MWD	Aztec / Teledrift	
8/13/2011	2,700.00	1.00	Inc-MWD	Aztec / Teledrift	
8/19/2011	3,200.00	1.00	Inc-MWD	Aztec / Teledrift	
8/19/2011	3,700.00	1.00	Inc-MWD	Aztec / Teledrift	
8/19/2011	4,200.00	3.00	Inc-MWD	Aztec / Teledrift	
8/19/2011	4,700.00	1.00	Inc-MWD	Aztec / Teledrift	
8/19/2011	5,200.00	1.00	Inc-MWD	Aztec / Teledrift	
8/19/2011	5,700.00	1.00	Inc-MWD	Aztec / Teledrift	
8/20/2011	6,200.00	2.00	Inc-MWD	Aztec / Teledrift	
8/20/2011	6,700.00	3.00	Inc-MWD	Aztec / Teledrift	
8/20/2011	7,200.00	2.00	Inc-MWD	Aztec / Teledrift	



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.

Cather Cherry

Subscribed and sworn to me this 10/27/11

[Signature]
Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14