



COP Deviation Report

RICHARDSON #8N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName RICHARDSON #8N	API / UWI 3004534873	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 010-031N-012W-G	N/S Dist (ft) 2,130.00	N/S Ref FNL	E/W Dist (ft) 1,955.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
1/2/2013	128.00	1.00		Inc-Drop	Mo Te Drilling Inc
1/2/2013	234.00	1.00		Inc-Drop	Mo Te Drilling Inc
2/2/2013	260.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	429.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	538.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	787.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	1,088.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	1,100.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	1,350.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	1,600.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	1,850.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	2,100.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	2,390.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	2,559.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	2,743.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	3,060.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	3,245.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/2/2013	3,564.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/3/2013	3,818.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/3/2013	4,300.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
2/4/2013	4,616.00	0.75		Inc-Drop	Aztec Well Servicing Co Inc
2/13/2013	7,190.00	1.50		Inc-WL	Phoenix Services LLC

RCVD MAR 28 '13
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.

Carla B. Lange 3/28/13 ...

Subscribed and sworn to me this 3/28/13

Tamara D. Jossin

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/16