



## COP Deviation Report

LUDWICK LS #19P

|                                           |                                   |                         |                           |                              |
|-------------------------------------------|-----------------------------------|-------------------------|---------------------------|------------------------------|
| Operator<br>CONOCOPHILLIPS COMPANY        | Legal WellName<br>LUDWICK LS #19P | API / UWI<br>3004535094 | County<br>SAN JUAN        | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>005-029N-010W-F | N/S Dist (ft)<br>1,510.00         | N/S Ref<br>FNL          | E/W Dist (ft)<br>1,970.00 | E/W Ref<br>FWL               |

## Survey Data

| Date      | MD (ftKB) | Incl (°) | Method   | Survey Company     |
|-----------|-----------|----------|----------|--------------------|
| 3/26/2010 | 129.00    | 0.75     | Inc-Drop | MO-TE DRILLING INC |
| 3/26/2010 | 234.00    | 0.25     | Inc-Drop | MO-TE DRILLING INC |
| 4/2/2010  | 416.00    | 1.00     | Inc-MWD  | AWS                |
| 4/2/2010  | 712.00    | 1.00     | Inc-MWD  | AWS                |
| 4/2/2010  | 963.00    | 0.50     | Inc-MWD  | AWS                |
| 4/2/2010  | 1,214.00  | 0.50     | Inc-MWD  | AWS                |
| 4/2/2010  | 1,464.00  | 0.50     | Inc-MWD  | AWS                |
| 4/2/2010  | 1,716.00  | 0.50     | Inc-MWD  | AWS                |
| 4/2/2010  | 1,967.00  | 0.50     | Inc-MWD  | AWS                |
| 4/2/2010  | 2,218.00  | 1.00     | Inc-MWD  | AWS                |
| 4/2/2010  | 2,468.00  | 1.00     | Inc-MWD  | AWS                |
| 4/2/2010  | 2,718.00  | 1.00     | Inc-MWD  | AWS                |
| 4/2/2010  | 2,968.00  | 1.00     | Inc-MWD  | AWS                |
| 4/3/2010  | 3,218.00  | 1.00     | Inc-MWD  | AWS                |
| 4/3/2010  | 3,469.00  | 1.00     | Inc-MWD  | AWS                |
| 4/3/2010  | 4,150.00  | 0.25     | Inc-MWD  | AWS                |
| 4/9/2010  | 6,688.00  | 0.75     | Inc-WL   | PHOENIX            |

RCVD JUN 14 '10

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 June 10, 2010

Crystal J. Tapa  
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010