



COP Deviation Report

LUDWICK LS #21F

Operator CONOCOPHILLIPS	Legal WellName LUDWICK LS #21F	API / UWI 3004534070	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location NMSF, 031-030N-010W	N/S Dist (ft) 1,700.00	N/S Ref N	E/W Dist (ft) 660.00	E/W Ref W

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
2/19/2007	120.00	0.75	SURE SHOT	MO-TE
2/19/2007	220.00	1.50	SURE SHOT	MO-TE
3/3/2007	731.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/4/2007	1,229.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/4/2007	1,701.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/4/2007	2,197.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/5/2007	2,693.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/5/2007	3,191.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/6/2007	3,693.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/7/2007	4,193.00	1.00	TELLADRIFT	AZTEC WELL SERVICE
3/8/2007	4,280.00	1.00	TOTOCO	AZTEC WELL SERVICE
3/12/2007	6,910.00	1.50	Incl	PHOENIX SERVICES

DIST. 3
OIL CONS. DIV.
RCVD JUN 20 07

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 19th day of June 2007

Tracy J. Menden

Notary Public in and for San Juan County, New Mexico

My Commission expires Jan 24, 2011