

ConocoPhillips

COP Deviation Report

FEDERAL #12P

Operator CONOCOPHILLIPS COMPANY	Legal WellName FEDERAL #12P	API / UWI 3003930757	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 023-026N-006W-E		N/S Dist (ft) 2,480.00	N/S Ref FNL	E/W Dist (ft) 945.00
				E/W Ref FWL

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
10/10/2011	130.00	0.75		Inc-WL	MOTE
10/10/2011	230.00	1.00		Inc-WL	MOTE
10/10/2011	356.00	0.50		Inc-WL	MOTE
1/22/2012	500.00	1.00		Inc-WL	Aztec Well Servicing Co Inc
1/22/2012	1,000.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
1/23/2012	1,500.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
1/23/2012	2,000.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
1/23/2012	2,500.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
1/24/2012	3,000.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
1/24/2012	3,350.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
1/26/2012	3,836.00	1.00		Inc-WL	Aztec Well Servicing Co Inc
1/27/2012	4,331.00	2.00		Inc-WL	Aztec Well Servicing Co Inc
1/27/2012	4,779.00	2.50		Inc-WL	Aztec Well Servicing Co Inc
1/27/2012	5,260.00	2.75		Inc-WL	Aztec Well Servicing Co Inc
1/28/2012	5,764.00	0.75		Inc-WL	Aztec Well Servicing Co Inc
1/28/2012	6,210.00	1.25		Inc-WL	Aztec Well Servicing Co Inc
1/29/2012	6,718.00	1.50		Inc-WL	Aztec Well Servicing Co Inc
1/30/2012	7,218.00	1.50		Inc-WL	Aztec Well Servicing Co Inc
1/30/2012	7,607.00	2.25		Inc-WL	Aztec Well Servicing Co Inc
2/6/2012	7,612.00	2.50		Inc-WL	Phoenix Services LLC

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

3/7/12



Notary Public in and for San Juan County, New Mexico

My Commission expires

7/28/14

REC'D MAR 8 '12

OIL CON. DIV.

DIST. 3

INTEROFFICE MEMO

TO: Records & Regulatory
FROM: Sharon Nez

DATE: 2/13/2012
LOCATION: Farmington, N.M

Final Geologic Summary

Well Name & No.. Federal 12P API: 3003930757
Location. NW Section 23 Twp 26N Rge 06W
County & State Rio Arriba, New Mexico
Elevation. GL: 6788' KB: 6803'
Tops From: X Wireline Log _____ Mudlog _____ Correlation _____

Ojo Alamo 2446' Chacra 3995' Greenhorn 7256'
Kirtland 2659' Upper Cliff House n/a Graneros 7310'
Fruitland 2892' Massive Cliff House 4782' Dakota (Two Wells) 7341'
Pictured Cliffs 3120' Menefee 4813' Paguate 7441'
Lewis 3246' Point Lookout 5337' Upper Cubero 7476'
Huerfanito Bentonite 3560' Mancos 5812' Lower Cubero 7511'
Upper Gallup 6434' Oak Canyon 7544'
Encinal 7579'
Burro Canyon nde
Morrison _____
OHTD 7675'
LTD 7646'
PBTD 7652'
Electric Logs Run. Gamma Ray/CCL Acoustic Cement Bond Log

Well Cored? X No _____ Yes
Well DST'd? X No _____ Yes

Geologist. Sharon Nez

RCVD MAR 8 '12
OIL CONS. DIV.
DIST. 3