



HOLE DEVIATION REPORT

RCVD JAN 21 '14
OIL CONS. DIV.
DIST. 3

Operator: ELM RIDGE EXPLORATION, CO LLC.

Well Name: Jicarilla Apache F 23

Description of Lease: 733' FNL x 859' FWL

'D' Sec. 21-T25N-R05W

Rio Arriba County

API: 30-039-31199

FROM	TO	DEVIATION
0	100'	.1
100'	544'	.9
544'	923'	.7
923'	1557'	.6
1557'	2191'	.2
2191'	2698'	.1
2698'	3078'	.3
3078'	3839'	.5
3839'	4092'	.6
4092'	4977'	.3
4977'	5233'	.4
5233'	5867'	.1
5867'	6247'	.2
6247'	6627'	.2
6627'	7007'	1.2
7007'	7387'	.8
7387'	7554'	.5

7554' TD

I hearby swear or (affirm) that the statements made are a full and correct report.

Elm Ridge Exploration CO, LLC

Nicole Alley
Nicole Alley

Sworn to and subscribed before me by Janet K. Mackey,

This 21st day of January 2014. To certify which witness my hand and seal of office.

James K. Mackey
Notary Public in and for San Juan
County in the State of New Mexico.

My commission expires on: 6/23/2017