



RCVD DEC 3 '13
OIL CONS. DIV.
DIST. 3

HOLE DEVIATION REPORT

Operator: ELM RIDGE EXPLORATION, CO LLC.

Well Name: Jicarilla Apache F 19

Description of Lease: 1917' FSL x 2478' FEL

'J' Sec. 17-T25N-R05W

Rio Arriba County

API: 30-039-31130

WSP

FROM	TO	DEVIATION
0'	576'	.9
576'	797'	.9
797'	1177'	.4
1177'	1557'	.3
1557'	1872'	.3
1872'	2189'	.4
2189'	2443'	.5
2443'	2792'	.5
2792'	3108'	1.1
3108'	3425'	.3
3425'	3742'	.3
3742'	4059'	.4
4059'	4376'	.7
4376'	4693'	1.10
4693'	4833'	.3
4833'	5308'	.3
5308'	5625'	.3
5625'	5942'	.3
5942'	6260'	.6
6260'	6576'	.8
6576'	6893'	.4
6893'	7210'	.6
7210'	7368'	.8
7368'	7603'	1.18

7522' TD

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

Elm Ridge Exploration CO, LLC

Nicole Alley

Sworn to and subscribed before me by Janet K. Mackey

This 9th day of October 2013. To certify which witness my hand and seal of office.

Notary Public in and for San Juan
County in the State of New Mexico

My commission expires on:

8/17/2013