

HOLE DEVIATION REPORT

Operator: ELM RIDGE EXPLORATION, CO LLC.

Well Name: Jicarilla Apache A 21

Description of Lease: 1610' FNL x 899' FEL

'H' Sec. 35-T25N-R05W

Rio Arriba County

API: 30-039-31127

RCVD DEC 3 '13

OIL CONS. DIV.

DIST. 3


FROM	TO	DEVIATION
0'	92'	1.25
92'	273'	1.25
273'	362'	1
362'	533'	.7
533'	1046'	.6
1046'	1363'	.3
1363'	1679'	.6
1679'	2313'	1.4
2313'	2947'	1.6
2947'	3265'	.8
3265'	3895'	.3
3895'	4213'	.7
4213'	4526'	.7
4526'	5003'	.2
5003'	5640'	.1
5640'	5957'	.5
5957'	6369'	1.0
6369'	6686'	.5
6686'	7161'	.3
7161'	7510'	.3

7600' TD

Revised TD 12-3-13

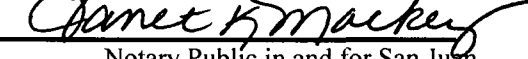
I hearby swear or (affirm) that the statements made are a full and correct report.

Elm Ridge Exploration CO, LLC


Nicole Alley

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

This 24th day of September, 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: 6/23/2017