



HOLE DEVIATION REPORT

Operator: ELM RIDGE EXPLORATION, CO LLC.

Well Name: Bonanza 12

Description of Lease: 1980' FNL x 1700' FWL

'F' Sec. 1-T22N-R3W

Sandoval County

API: 30-043-21144

RCVD DEC 3 '13

OIL CONS. DIV.

DIST. 3

FROM	TO	DEVIATION
0'	574'	1.10
574'	794'	.80
794'	1111'	.50
1111'	1428'	.20
1428'	1840'	.20
1840'	2155'	.40
2155'	2472'	1.0
2472'	2789'	.30
2789'	3137'	.50
3137'	3455'	.30
3455'	3771'	1.10
3771'	3929'	.40
3929'	4247'	.40
4247'	4563'	.50
4563'	4880'	.50
4880'	5197'	1.0
5197'	5514'	.30
5514'	5786'	.30
5786'	6021'	.40
6021'	6274'	.50
6274'	6527'	.40
6527'	6780'	1.10
6780'	7097'	.50
7097'	7256'	.40
7256'	7414'	.50
7414'	7506'	.90

7506' 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 2nd day of December, 2013. To certify which witness my hand and seal of office.

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

My commission expires on: 6/23/2017