

Operator: COG Operating
Well/Lease: Black Pearl 1 Federal 3H
County: Lea

STATE OF NEW MEXICO
DEVIATION REPORT

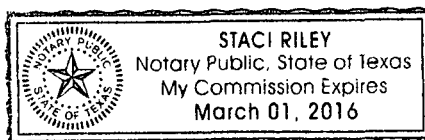
<u>Footage</u>	<u>Degree</u>
320	0.20
717	0.30
1108	0.10
1510	0.20
1839	0.40
2156	0.90
2409	0.60
2660	1.00
2911	2.10
3513	1.50
3817	0.70
4432	0.30
4750	1.20
5062	1.10
5369	1.00
5687	0.50
6014	0.00
6330	0.20
6637	0.60
6953	1.10
7279	1.00
7583	0.00
7868	0.10
8247	0.50
8533	1.00
8854	0.60
9104	1.40
9331	1.30
9742	0.70
9921	1.00
10200	1.66
10403	2.20

HOBBS OCD
MAR 30 2015
RECEIVED

Signed By: Charles Walsh
Charles Walsh, Division Manager
Pioneer Drilling Company

Appeared before me on Feb 19, 2015.

Staci Riley
Notary Public



MAR 31 2015

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