

OPERATOR COG Operating LLC
WELL/LEASE MC Federal #13 H-21-17s-32e
COUNTY Eddy Lea

30-025-38551

1811/W & 990/E

STATE OF NEW MEXICO
DEVIATION REPORT

327	0.25
621	1.00
967	1.75
1282	1.50
1567	1.50
1916	1.25
2127	1.75
2423	1.00
2768	0.75
3086	0.75
3370	0.50
3688	1.50
3973	0.75
4225	1.00
4542	1.50
4860	2.00
5113	2.00
5337	2.00
5648	0.50
5965	1.00
6312	0.50
6599	1.00
7080	1.25

SIGNED BY:


DAVID SLEDGE, VP-DRILLING

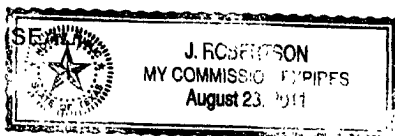
STATE OF TEXAS
COUNTY OF MIDLAND

RECEIVED

FEB 11 2008

HOBBS OCD

ON THIS 11th DAY OF January, 2007, BEFORE ME, J ROBERTSON, A NOTARY
PUBLIC, PERSONALLY APPEARED DAVID SLEDGE, WHO ACKNOWLEDGED AND EXECUTED
THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.




NOTARY PUBLIC