

**LRE Operating, LLC**  
**Northwest State Lease**  
**Pilot Waterflood Project**  
**Section 32 T17S R28E**  
**Eddy Co., NM**

Reservoir data utilized as follows was gathered from log analysis, sidewall core analysis, and empirical correlations:

Parameter	NE/4 Sec 32	SW/4 Sec 32
Average SS Depth top of San Andres Inj Interval	1,253	1,218
Average Cross Plot Porosity (%)	108' of 7.5	104' of 6.7
Original Water Saturation (%)	35	35
Reservoir Temp (°F)	95	95
Initial Reservoir Pressure (psi)	1,150	1,150
Average Midpoint Inj Interval (ft)	2,670	2,378
Initial Pressure Gradient (psi/ft)	0.43	0.43
Current Reservoir Pressure (psi)	600	600
Bubble Point Pressure	1200	1200
Oil Gravity (°API at SC)	34	34
Formation Vol Factor – Initial (res bbl/STB)	1.125	1.125
Formation Vol Factor – Current (res bbl/STB)	1.085	1.085
Solution GOR – Initial (SCF/STB)	300	300
Estimated Mobility Ratio	2.2	2.2

OCD Case No. 15343  
**LRE OPERATING**  
**Exhibit #10**