

# **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:**

<b>Parameter</b>	<b>NE/4 Sec 32</b>	<b>SW/4 Sec 32</b>
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**