

LIME ROCK RESOURCES II-A, L.P.  
LOGAN 35 FEDERAL #1  
Red Lake; Glorieta-Yeso NE & Red Lake, Queen-Grayburg-San Andres  
I Section 35 T17S R27E  
7/23/12– Mike Pippin  
API#: 30-015-36081

## Commingle Allocation Calculations

On 12/16/10, the upper zone (San Andres) tested at **12 BOPD & 60 MCF/D** from San Andres perfs 2056'-2345'.

On 6/15/12, the RBP above the lower zone (Yeso) perfs 3041'-3453' was pulled, which commingled the Yeso with the San Andres.

On 7/21/12, the commingled Yeso & San Andres tested for **40 BOPD & 119 MCF/D**.

Therefore, lower zone (Yeso) oil production is  $40 - 12 = 28$  BOPD.

Therefore, lower zone (Yeso) gas production is  $119 - 60 = 59$  MCF/D.

### **RECOMMENDED NEW OIL ALLOCATION**

$$\% \text{ Lower Zone} = \frac{28}{40} = \underline{70\%}$$

$$\% \text{ Upper Zone} = \frac{12}{40} = \underline{30\%}$$

### **RECOMMENDED NEW GAS ALLOCATION**

$$\% \text{ Lower Zone} = \frac{59}{119} = \underline{50\%}$$

$$\% \text{ Upper Zone} = \frac{60}{119} = \underline{50\%}$$