

Martin Water Laboratories, Inc.

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TO: Mr. Andy Cobb
3300 N. A Street, Bldg 4, Suite 100, Midland, TX 79705

LABORATORY NO. 706-55
SAMPLE RECEIVED 7-12-06
RESULTS REPORTED 7-13-06

COMPANY Energen Resources

LEASE _____ As listed

FIELD OR POOL _____ Saunders

SECTION _____ BLOCK _____ SURVEY _____ COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Saunders Deep (a) heater treater. 7-12-06.

NO. 2 Texas Deep State @ wellhead. 7-12-06.

NO. 3

NO. 4

REMARKS: Devonian

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 80° F.	1.0225	1.0226		
pH When Sampled				
pH When Received	6.81	7.26		
Dicarbonate as HCO_3	561	500		
Supersaturation as CaCO_3				
Undersaturation as CaCO_3				
Total Hardness as CaCO_3	4,400	4,300		
Calcium as Ca	1,520	1,360		
Magnesium as Mg	146	219		
Sodium and/or Potassium	12,087	11,279		
Sulfate as SO_4	2,100	1,809		
Chloride as Cl	19,880	18,815		
Iron as Fe	2.5	9.6		
Barium as Ba	0	0		
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	36,294	33,982		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	21.0	0.0		
Resistivity, ohms/m at 77° F.	0.226	0.236		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

Additional Determinations And Remarks	These results show some variations in the salt levels and ratios of these two samples, but these differences are fairly minor. Therefore, based on the evidence available from this analysis, both waters appear to be originating from the same zone.
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Form No. 3

By

Exhibit 12

Greg Ogden, B.S.