

EXHIBIT "A"

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Western Wellchemicals, Inc.

COLD OIL & GAS CONS. COMM.

4746 Franklin St. • Denver, Colorado 80216 • (303) 296-3513 or 296-3514

123 - 12324
WELL FLUID ANALYSISCustomer DIVERSIFIED OPERATING CORP.Customer Rep. Terry CamonLease Federal Wildhorse #15-31

Formation _____

Depth _____

Sample Source Treater

SW 52 31 7N 58W

WildhorseDate 9/18/85

Bottom Hole Temp. _____

Perf. Data _____

Daily Production _____

Oil/Water Ratio _____

Existing Treatments _____

FORMATION WATER ANALYSIS:

Cations:

Calcium 72 mg/LMagnesium 228 mg/LBarium 0 mg/LStrontium 0 mg/LTotal Iron, as Fe 0 mg/LPotassium 0 mg/LSodium (estimated) 3,252 mg/L

Anions:

Sulfate 50 mg/LChloride 5,400 mg/LCarbonate 0 mg/LBicarbonate 909 mg/LCarbon Dioxide, CO₂ 69 mg/LOxygen, O₂ - mg/LHydrogen sulfide, H₂S 0 mg/LpH 7.6 @ 60°FSpecific Gravity 1.005 @ 60°F

Stability Index _____

(+) Scaling: (-) Corrosion

Total Hardness, CaCO₃ 1,120 mg/LTotal Alkalinity, CaCO₃ 745 mg/LFree Acidity, CaCO₃ 0 mg/L

Combinations Tendencies (mg/L):

CaCO₃ _____CaSO₄ _____CaCl₂ _____MgCl₂ _____FeCl₂ _____

NaCl _____

FORMATION OIL ANALYSIS:

API Gravity _____

Pour Point _____

Emulsion _____

Paraffin Index _____

Primary Paraffin _____

Deposition rating _____

Lab Results _____

Recommendation _____

Analyst R. HustonDistrict Denver