



BJ Services

WATER ANALYSIS

Permian Region Laboratory

(915) 530-2667

APR 08 2008

OCD-ARTESIA

30-015-34456

Operator: Yates
 Well: Lupine BHJ St. Com #1
 Formation:
 Field:
 County:
 Depth:

Date: 4/3/2008
 District: Artesia
 Requested: Mike Stubblefield
 Technician:
 Source:
 PFS Test #:
 M:Water Analysis\ Customer:

pH: 6.77
 Specific Gravity: 1.105

Temp (F): 74
 H2S:

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	126032	5482.0	114056
Calcium	2406	120.1	2177
Magnesium	972	80.0	880
Barium	< 25	----	----
Potassium	< 10	----	----
Iron	0	0.0	0

ANIONS

Chloride	200000	5641.7	180995
Sulfate	1600	33.3	1448
Carbonate	< 1	----	----
Bicarbonate	427	7.0	386

Total Dissolved Solids(calc.) 331437 299943

Total Hardness as CaCO₃ 10010 200.0 9059

COMMENTS:**SCALE ANALYSIS:**

CaCO₃ Factor 1027362
 CaSO₄ Factor 3849600

Calcium Carbonate Scale Probability: Probable
 Calcium Sulfate Scale Probability: Possible

