

Wolfcamp water analysis

General Information About: Sample 5107

KEMNITZ WOLFCAMP UNIT 019

API	3002501272	Sample Number	
Unit/Section/ Township/Range	C / 25 / 16 S / 33 E	Field	KEMNITZ
County	Lea	Formation	WOLF
State	NM	Depth	
Lat/Long	32.89795 / -103.61826	Sample Source	UNKNOWN
TDS (mg/L)	27624	Water Type	
Sample Date(MM/DD/YYYY Y)		Analysis Date(MM/DD/YYYY Y)	
Remarks/Descripti on			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	723
Sodium (Na)		Chloride (Cl)	16060
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	338
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	

Data obtained from <http://octane.nmt.edu>

Exhibit "D"

Star Oil and Gas Company
 New Mex A # 001
 Unit Letter K, Section 25, T16S, R33E
 Lea County, New Mexico
 Possible pools disposing in New Mex A # 1

Pool	Section	Township	Range	TDS	Chlorides
EMPIRE; ABO	27	17S	28E	224062	135900
ARTESIA; QUEEN-GRAYBURG-SAN ANDRES	28	17S	28E	237482	147300
ARTESIA; GLORIETA-YESO	33	17S	28E	206471	137940
EMPIRE; MORROW, SOUTH	31	17S	29E	35148	19800
EMPIRE; GLORIETA-YESO	19	17S	29E	213384	142829
CROW FLATS; MORROW	3	17S	27E	44318	27242
LOGAN DRAW; MORROW	11	17S	27E	8567	4604
RED LAKE; QUEEN-GRAYBURG-SA	3	18S	37E	217737	146435

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Exhibit "D"