Conditions of Approval (if any)



Strata

Account Representative: David Nailon

Production Water Analysis

Listed below please find water analysis report from: Tule, Cook #1

Lab Test No:

2008110460

Sample Date:

03/14/2008

Specific Gravity:

1.103

156760

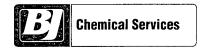
TDS: pH:

6.15

Cations:	mg/L	as:	
Calcium	17792	(Ca ^{⁺⁺})	
Magnesium	2076	(Mg ⁺⁺⁾	
Sodium	32101	(mg (Na [†])	
Iron	162.63	(Fe ⁺⁺)	
Potassium	692.7	(K [*])	
Barium	5.16	(Ba ⁺⁺)	
Strontium	15.98	(Sr ^{⁺†})	
Manganese	4.09	(Mn ⁺⁺)	
Anions:	mg/L	as:	
Bicarbonate	61	(HCO ₃)	
Sulfate	450	(SO ₄)	-
Chloride	103400	(CI)	
Gases:		(0.)	-
Carbon Dioxide	140	(CO ₂)	
Hydrogen Sulfide	0	(H ₋ S)	

Strata

Lab Test No: 2008110460 DownHole SAT[™] Scale Prediction @ 100 deg. F



Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO3)	.333	00301
Aragonite (CaCO3)	.282	00383
Witherite (BaCO3)	< 0.001	-27.61
Strontianite (SrCO3)	< 0.001	-6.94
Magnesite (MgCO3)	.0567	0211
Anhydrite (CaSO4)	.336	-68.03
Gypsum (CaSO4*2H2O)	.395	-59.72
Barite (BaSO4)	1.03	.0883
Celestite (SrSO4)	.00311	-389.8
Silica (SiO2)	0	-43.76
Brucite (Mg(OH)2)	< 0.001	202
Magnesium silicate	0	-105.71
Siderite (FeCO3)	2.06	< 0.001
Halite (NaCi)	.0737	-120330
Thenardite (Na2SO4)	< 0.001	-86973
Iron sulfide (FeS)	0	0741

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) to positive (precipitating) values. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

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Va n Star Chromatography Works' ion

Natural Gas Analysis Report

Run File	C:\STAR\DATA\STR	C:\STAR\DATA\STRATA06_4;31;31 PM_10-28-07RUN				
Method	C:\Star\BTUC6+.mth	l				
Operator	Precision Gas Meas		Analysis Date	10/28/07		
Station #			Company	STRATA PRODUCTION		
Lease	COOK #1		Pulled Data	10/25/07 PRESS 79		
Producer	STRATA PRODUCTI	ON	Water (lbs)			
Component	Mole %	<u>GPM</u>				
H2S	0.000	0.0000	-			
nitrogen	8.219	0.0000				
methane	79.366	0.0000				
propane	3.477	0.9580	•			
i-butane	0.502	0.1643				
n-butane	1.230	0.3877			•	
carbon dioxide	0.246	0.0000				
i-pentane	0.331	0.1210				
n-pentane	0.365	0.1323				
ethane	5.507	1.4728				
hexane+	0.757	0.3254				
Totals	100.0000	3,5614		.		
Relative Density from C	Composition	0.7125				
Lab Density Test Value	•					
BTUs @ 14.73 Saturate	ed	1,096				
BTUs @ 14.73 Dry		1,115				
Compressibility		0.99712				