

Triton #1 UIC Well

Formation	Tops	Btm	Net Height (ft)*	Average Porosity	TDS	Lithology	Matrix Density (g/cc)	Pore Volume (bbl)*	Minimum Frac Gradient	Permeability
Lyons	8,924'	9,069'	100.5	4.8%	23,450	Sandstone	2.65	4,702,913	0.58	
Lower Satanka	9,069'	9,293'	12.0	5.4%	49,190	Siltstone/Shale	2.65	631,735	0.58	
Wolfcamp	9,293'	9,388'	47.5	5.2%	17,410	Dolomite	2.88	2,408,001	0.58	
Amazon	9,388'	9,435'	33.5	6.5%	17,140	Dolomite	2.88	2,122,843	0.58	
Council Grove	9,435'	9,520'	72.5	5.7%	17,140	Dolomite	2.88	4,028,770	0.58	
Admire	9,520'	9,539'	10.5	6.9%	48,620	Dolomite	2.88	706,314	0.58	
Virgil	9,539'	9,720'	47.0	4.0%	48,620	Limestone	2.71	1,832,810	0.58	
Fountain	9,720'	10,597'	82.5	6.2%	45,667	Sandstone	2.65	4,986,609	0.58	
Morrow	10,597'	10,705'	20.0	5.3%	45,667	Sandstone	2.65	1,033,393	0.58	

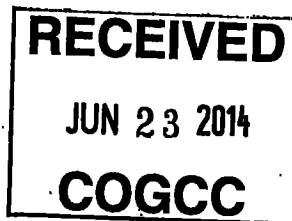
Total Pore Volume (bbl): 22,453,387

*Based on 1/4 mi radius.





Baker Hughes Area Laboratory
899 Baseline Place
Brighton, CO 80601
Phone (303) 659-7347
Fax (303) 659-7401



Prepared for

0

Triton Energy IPT Triton #1

Weld County, Colorado

Morrow/Fountain Formation



Water Analysis

Testing Results
Prepared for

Rick Ohlemeyer

Laboratory Project No. S0502614
Prepared By: Joshua D. Remer
Baker Hughes Area Laboratory
899 Baseline Place
Brighton, CO 80601
5/20/2014



Baker Hughes
Baker Hughes Area Laboratory
Water Analysis Report

RECEIVED
JUN 23 2014
COGCC

Project # S0502172

Customer Well Information

Company: 0
Well Name: Triton Energy IPT Triton #1
Location:
State: Weld County, Colorado
Formation: Morrow/Fountain
Depth: 10570 ft
Date: 5/20/2014
Prepared for: Rick Ohlemeyer
Submitted by:
Prepared by: Joshua D. Remer
Water Type:

Background Information

Reason for Testing: Customer Request
Completion type:
Well History: Unknown
Special Considerations: Morrow. 10,570. 70 bbls prior. *

Sample Characteristics

Sample Temp: 67 (°F)
pH: 7.00
Specific Gravity: 1.032
S.G. (Corrected): 1.033 @ 60 °F
Resistivity (Calc): 0.16 Ω-m
Viscosity: 1 cp
Color: Clear
Odor: None
Turbidity: Clear
Filtrates: None

Sample Composition

CATIONS

	mg/l	me/l	ppm
Sodium (calc.)	18406	800.6	17836
Calcium	241	12.0	233
Magnesium	73	6.0	71
Barium		---	---
Potassium		---	---
Iron	8.50	0.3	8.24

ANIONS

Chloride	28000	789.8	27132
Sulfate	400	8.3	388
Hydroxide	408	23.9	394
Carbonate	< 1	---	---
Bicarbonate	< 1	---	---

SUMMARY

Total Dissolved Solids(calc.)	* 47128		45667
Total Hardness as CaCO3	901	18.0	873

Scaling Tendencies

CaCO3 Factor 0 **Calcium Carbonate Scale Probability -->** REMOTE
CaSO4 Factor 96240 **Calcium Sulfate Scale Probability ----->** REMOTE

Comments

Test Report

e ANALYTICS LABORATORY

June 3, 2014

RECEIVED

JUN 23 2014

COGCC

Client: IPT Energy Services
Project: Triton Energy
Lab Batch ID: 1461
Date Samples Received: 5/27/2014
Number of Samples: 4
Sample Condition: Samples arrived intact and in appropriate sample containers

The quality control procedures associated with the requested analyses were satisfactorily passed before the samples were run.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Sincerely,



Christopher Dieken
Quality Assurance Manager



Todd Rhea
Laboratory Manager

eAnalytics Laboratory

1767 Rocky Mountain Avenue Loveland CO 80538

Chain of Custody

eANALYTICS

LABORATORY

RECEIVED

JUN 23 2014

COGCC

Chain of Custody Form

eANALYTICS LABORATORY			1767 Rocky Mountain Avenue Loveland CO 80538		Phone: (970) 667-6975		Fax: (970) 669-0941		www.eanalyticalab.com					
CLIENT INFORMATION				ANALYSIS INFORMATION										
Company: IPT Energy Services Project: Triton Energy Project Manager: TIM SHERWOOD Sampler: TIM SHERWOOD Phone/Fax: 970 317 2809 Address: 1707 COLEMAN WHITE 200 GOLDEN CO. 80401				(Select analysis by checking box for corresponding sample type) Number of Containers: _____ Metals (S) Soil (V) Water (V) Vapor (V) Other _____ Na/Ca/Mg/Ba/K/Fe (EPA 6910) _____ Chloride Sulfate (EPA 30010) _____ Alkalinity Carbonate (EPA 3106) _____ Hydroxide (EPA 3106) _____ Total Dissolved Solids (EPA 160.1) _____ Total Hardness (EPA 190.1) _____										
Lab ID	Sample Name	Sampling Date/Time	Number of Containers	Metals (S)	Soil (V)	Water (V)	Vapor (V)	Other	Na/Ca/Mg/Ba/K/Fe (EPA 6910)	Chloride Sulfate (EPA 30010)	Alkalinity Carbonate (EPA 3106)	Hydroxide (EPA 3106)	Total Dissolved Solids (EPA 160.1)	Total Hardness (EPA 190.1)
1	Admire 9526	6/23/14	1											
2	WOLFEND 9384	6/23/14	1											
3	L. SATANKA 9064	6/23/14	1											
4	LYONS 8924	6/27/14	1											
Comments:														
Turnaround Time (Business Days) (All begins when sample is received by eANALYTICS) <input checked="" type="radio"/> Normal (5-10 Days) <input type="radio"/> 3 Day (25%) <input type="radio"/> 2 Day (50%) <input type="radio"/> 1 Day (100%) <input type="radio"/> Same Day (200%) Rush analysis requires no extra charge. If possible please inform eANALYTICS in advance for rush analysis.				Record of Custody Relinquished by: T. Sherwood Company: IPT Energy Inc Received by: _____ Company: _____				Date: 6/23/14 Time: 5:15:00 Date: _____ Time: _____						
Colorado OPS Project: _____ Yes / No For eANALYTICS Use: <input checked="" type="radio"/> Yes <input type="radio"/> No Samples Received Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No Received Within Temperature Range (2-4°C): <input checked="" type="radio"/> Yes <input type="radio"/> No Sample Preservative: _____ Ice _____ Acid _____ None _____ Other _____				Relinquished by: T. Sherwood Company: eANALYTICS Received by: _____ Company: _____				Date: 6/23/14 Time: 5:15:00 Date: _____ Time: _____						

wo # 1461

eANALYTICS: Environmental testing made Easy

Page 1 of 1

eAnalytics Laboratory

1767 Rocky Mountain Avenue Loveland CO 80538

The results contained within this report relate only to the items analyzed

eANALYTICS

LABORATORY

RECEIVED

JUN 23 2014

COGCC

Client: IPT Energy Services

Lab Batch ID: 1461

Project: Triton Energy

Analysis: Anions
Alkalinity
Total Dissolved Solids (TDS)
Hardness
Hydroxide

Method: EPA300.0
EPA310
EPA160.1
EPA130.1
Calculation

Sample Name	Chloride	Sulfate	Alkalinity	Bi-Carbonate	Carbonate	TDS	Hardness	Hydroxide	Date Sampled	Date Analyzed	Lab ID
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L				
Admire 9526'	48620	2440	355	355	< 0.5	85625	3125	6.3E-9	05/23/14	05/28/14	1461 1
Wolcamp 9284'	418	418	< 0.5						05/23/14	05/28/14	1461 2
L. Satanka 9064'	49190	2830	295	295	< 0.5	82179	3287	3.16E-9	05/23/14	05/28/14	1461 3
Wolcamp 9224'	23458				< 0.5	50944	1675		05/23/14	05/28/14	1461 4

**eAnalytics Laboratory**

1767 Rocky Mountain Avenue Loveland CO 80538

The results contained within this report relate only to the items analyzed

Water
Sample Analysis

June 3, 2014

eANALYTICS
LABORATORY**RECEIVED**
JUN 23 2014
COGCC

Client: IPT Energy Services

Lab Batch ID: 1461

Project: Triton Energy

Analysis: Metals

Method: EPA6010

Sample Name	Na	Ca	Mg	Ba	K	Fe	Date Sampled	Date Analyzed	Lab ID
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
Admire 9526'	30850	377	379	0.703	1425	73.1	05/23/14	06/02/14	1461 1
Wolfcamp 9064'			130	0.307	644		05/23/14	06/02/14	1461 2
L. Satanka 9064'	27200	392	402	0.678	1422	50.7	05/23/14	06/02/14	1461 3
	2258	27	20	0.03			05/23/14	06/02/14	1461 4

eAnalytics Laboratory

1767 Rocky Mountain Avenue Loveland CO 80538

The results contained within this report relate only to the items analyzed