WATTENBERG DISPOSAL, LLC

WORLD TRADE CENTER

1675 BROADWAY, 28TH FLOOR

DENVER, COLORADO 80202-4628

TELEPHONE (303) 825-4822

FACSIMILE (303) 825-4825

WWW.KPK.COM

October 18, 2016

Mr. Don Breffle
United States EPA Region 8
8OC-EISC
1595 Wynkoop Street
Denver, CO 80202-1129

CO10938-02115

RE: Wattenberg Disposal, LLC
Suckla Farms Injection Well #1 – 2016 3rd Quarter Report

Dear Mr. Breffle;

Enclosed please find Wattenberg Disposal, LLC's (Wattenberg) Quarterly Injection Report for the period of July 1, 2016 through September 30, 2016, for the Suckla Farms Injection Well #1 facility (facility) located in the SWNW Section 10, T1N, R67W, in Weld County, Colorado.

Monthly analysis of waste fluid stored at the facility performed by Accutest Consulting Services has been included within the attached quarterly report. Comparison of the waste fluid analyses with the established three (3) year baseline has been included within the quarterly report. A slight change in specific gravity was observed during the sampling process for August 2016.

Please note that one (1) seismic events with a magnitude of 2.5 or greater was recorded by the U.S. Geological Survey within fifty (50) miles of the facility. Details for the seismic event has been included within the quarterly report.

If you have any questions or need additional information, please do not hesitate contacting me at 303-825-4822 or slaramesa@kpk.com

	GREEN	BLUE	CBI
TAE		2	

Sincerely,

Susana Lara-Mesa
VP of Engineering

Enclosures

Cc: Eric Jacobs, CDPHE
Stuart Ellsworth, COGCC
James Taloumis, WCDPHE
KPK files

U2 Entered
Date 10/19/16
Initial DD

WATTENBERG DISPOSAL, LLC

Suckla Farms Injection Well #1
Class I Nonhazardous Industrial Waste
Permit # CO10938-02115

Weld County, Colorado

2016 3rd Quarter Report

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4. 3rd Quarter 2016 Earthquake Data

OMB No. 2040-0042 Approval Expires 12/31/2018

United States Environmental Protection Agency
Washington, DC 20460

EPA

Injection Well Monitoring Report

Year 2016	Month	Month	Month
Injection Pressure (PSI)	July	August	September
1. Minimum	20.45	20.45	19..80
2. Average	167.52	527.24	458.52
3. Maximum	369.30	805.70	704.90
Injection Rate (Gal/Min)	July	August	September
1. Minimum	0.00	0.00	0.00
2. Average	323.46	416.10	368.72
3. Maximum	796.29	926.43	816.25
Annular Pressure (PSI)	July	August	September
1. Minimum	21.12	104.19	104.02
2. Average	103.10	163.42	145.12
3. Maximum	153.10	205.80	205.10
Injection Volume (Gal)	July	August	September
1. Monthly Total	376152	563934	448266
2. Yearly Cumulative	2822484	3386418	3834684
Temperature (F °)	July	August	September
1. Minimum	51	44	37
2. Average	74	69	63
3. Maximum	100	97	91
pH	July	August	September
1. Minimum	6.9	6.8	6.8
2. Average	6.9	6.8	6.8
3. Maximum	6.9	6.8	6.8
Other	July	August	September
Class I - Non-Hazardous	0	0	0
Class I - Non-Hazardous Cumlative	0	0	0

Name and Address of Permittee		Permit Number
Wattenberg Disposal, LLC, 8979 WCR 22, Ft. Lupton, CO 80621		CO-10938-2115
Name and Official Title *(Please type or print)*	**Signature**	**Date Signed**
Susana Lara-Mesa, VP of Engineering	Slara	10/17/2016

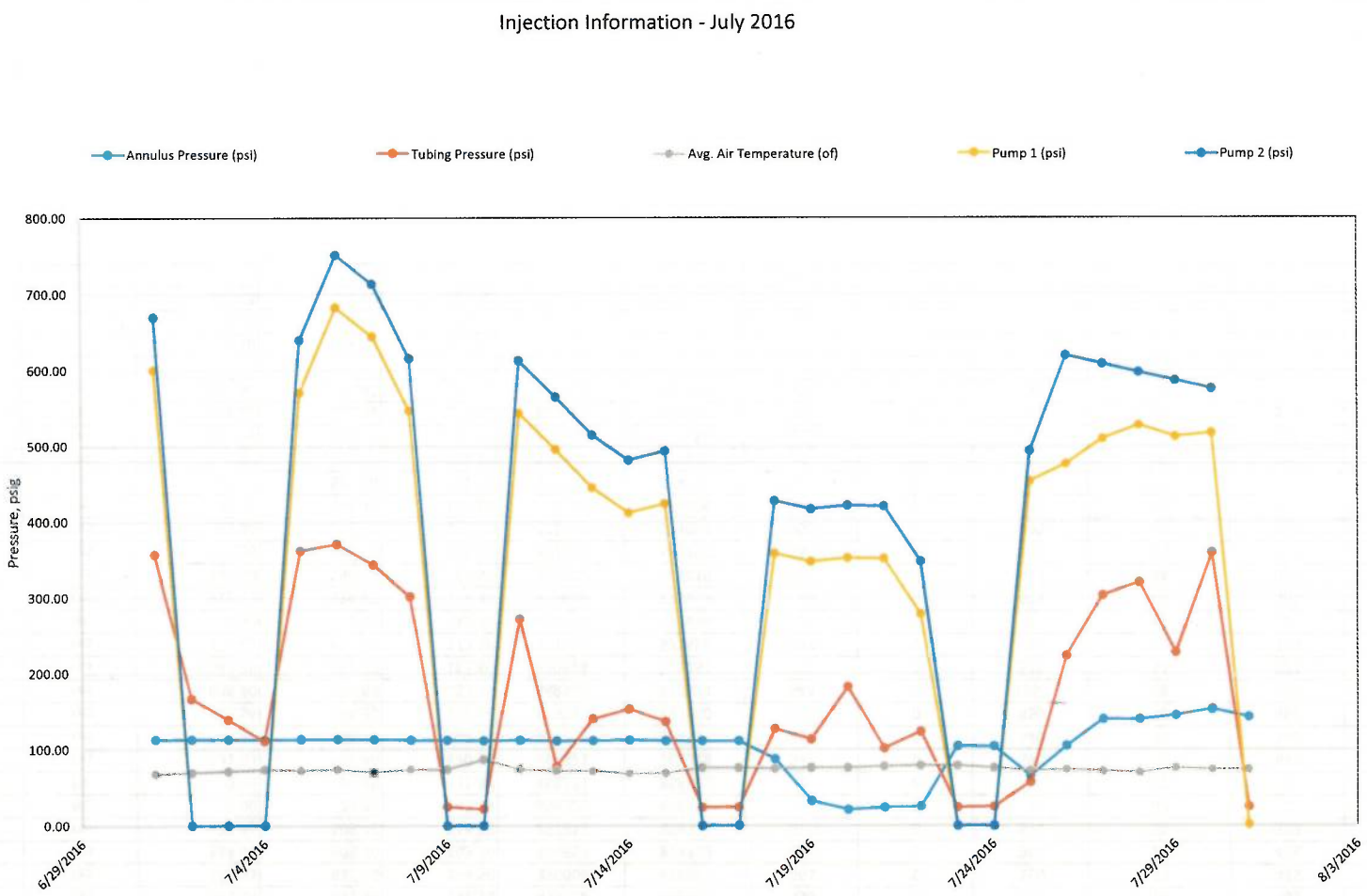
EPA Form 7520-8 (Rev. 12-11)

Paperwork Reduction Act

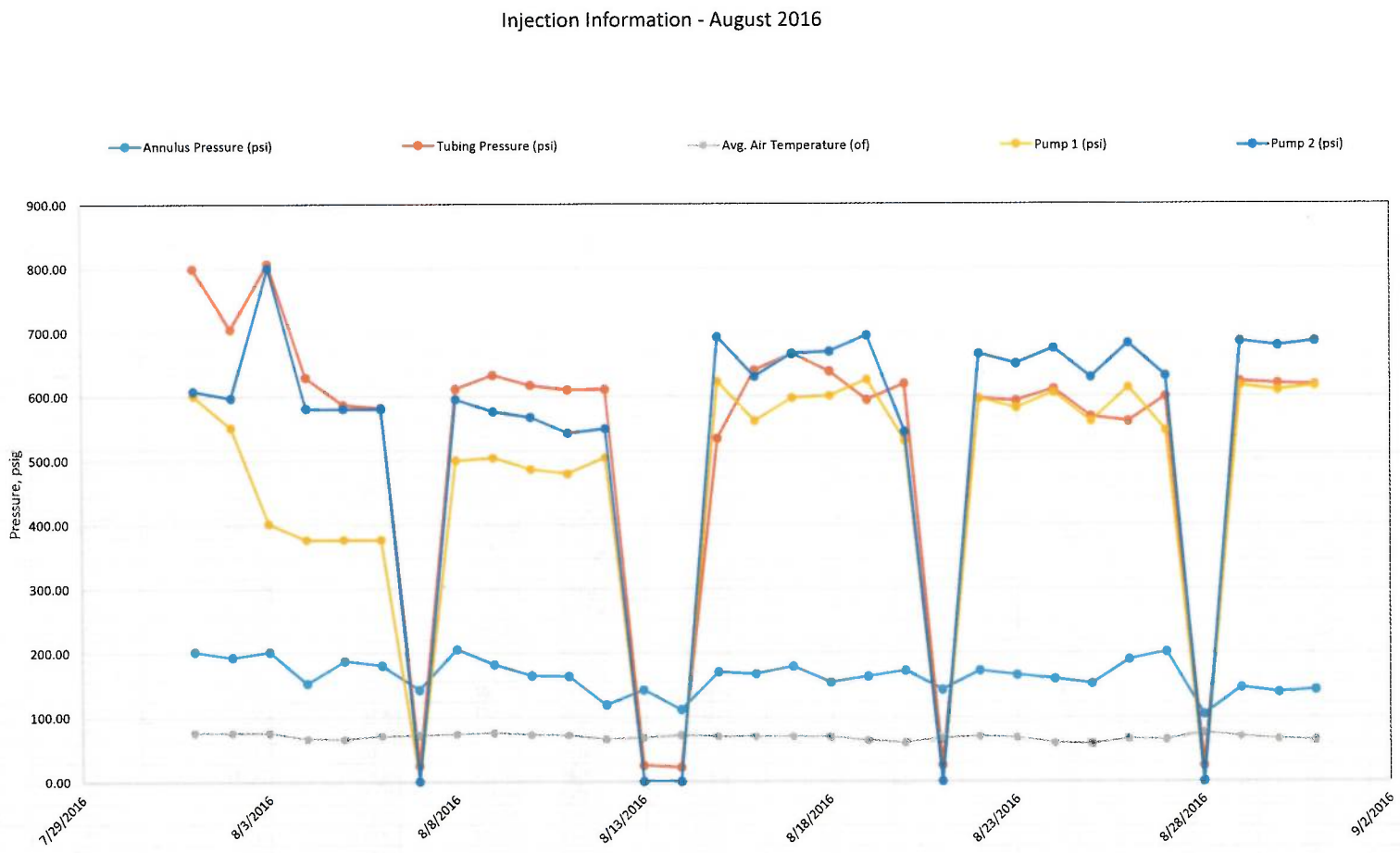
The public reporting and record keeping burden for this collection of information is estimated to average 25 hours per quarter for operators of Class I hazardous wells, 16 hours per quarter for operators of Class I non-hazardous wells, and 30 hours per quarter for operators of Class III wells.

Burden means the total time, effort, or financial resource expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

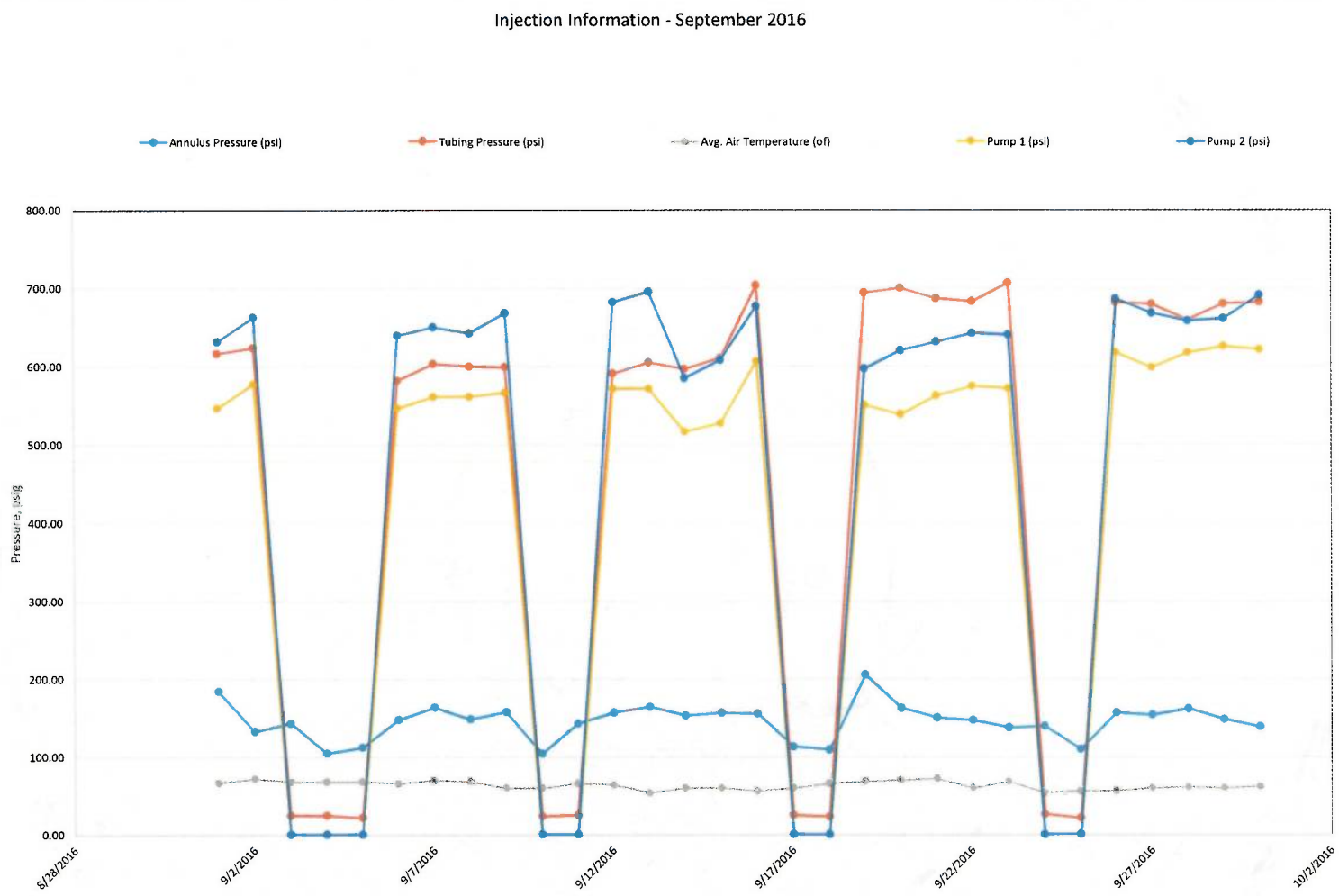
Date	Injecting Fluid?	Pressured Annulus?	Injection Rate (bbl/day)	Tubing Pressure (psi)	Annulus Pressure (psi)	Initial Volume Meter (bbl)	Final Volume Meter (bbl)	Volume Injected (bbl)	Hauled DCP (bbl)	Hauled KPK (bbl)	Avg. Air Temperature (°f)	Pump 1 (psi)	Pump 2 (psi)
7/1/2016	Yes	Yes	743.46	355.52	112.74	854023	854633	610	0	0	68	599	669
7/2/2016	No	Yes	0.00	166.14	113.08	854633	854633	0	0	0	70	0	0
7/3/2016	No	Yes	0.00	137.87	112.84	854633	854633	0	0	0	72	0	0
7/4/2016	No	Yes	0.00	110.23	112.84	854633	854633	0	0	0	74	0	0
7/5/2016	Yes	Yes	703.64	360.31	113.27	854633	855210	577	0	0	73	569	639
7/6/2016	Yes	Yes	591.54	369.30	113.30	855210	855710	500	0	0	74	681	751
7/7/2016	Yes	Yes	659.91	342.04	112.64	855710	856270	560	0	0	70	643	713
7/8/2016	Yes	Yes	785.96	300.22	112.42	856270	856905	635	0	0	74	545	615
7/9/2016	No	Yes	0.00	23.43	112.59	856905	856905	0	0	0	74	0	0
7/10/2016	No	Yes	0.00	20.45	111.80	856905	856905	0	0	0	87	0	0
7/11/2016	Yes	Yes	796.29	270.33	112.06	856905	857519	614	0	0	74	542	612
7/12/2016	Yes	Yes	185.44	76.28	111.43	857519	858119	600	0	0	72	494	564
7/13/2016	Yes	Yes	441.75	138.89	111.65	858119	858454	335	0	0	72	444	514
7/14/2016	Yes	Yes	528.43	151.94	112.20	858454	858851	397	0	0	68	411	481
7/15/2016	Yes	Yes	478.50	135.34	111.35	858851	859287	436	0	0	69	423	493
7/16/2016	No	Yes	0.00	22.60	111.14	859287	859287	0	0	0	76	0	0
7/17/2016	No	Yes	0.00	22.92	111.15	859287	859287	0	0	0	76	0	0
7/18/2016	Yes	Yes	481.27	125.39	87.44	859287	859657	370	0	0	75	357	427
7/19/2016	Yes	Yes	437.44	111.72	32.34	859657	860041	384	0	910	76	346	416
7/20/2016	Yes	Yes	748.42	180.71	21.12	860041	860686	645	0	570	76	351	421
7/21/2016	Yes	Yes	435.66	99.72	23.68	860686	860960	274	0	635	78	350	420
7/22/2016	Yes	Yes	608.35	121.87	24.94	860960	861326	366	0	591	79	277	347
7/23/2016	No	Yes	0.00	22.52	104.19	861326	861326	0	0	0	79	0	0
7/24/2016	No	Yes	0.00	23.34	104.02	861326	861326	0	0	0	76	0	0
7/25/2016	Yes	Yes	229.29	55.52	65.16	861326	861500	174	0	1125	72	452	493
7/26/2016	Yes	Yes	244.19	221.69	104.76	861500	861667	167	0	485	74	475	619
7/27/2016	Yes	Yes	331.51	301.56	139.69	851667	851947	280	0	810	72	508	608
7/28/2016	Yes	Yes	346.91	318.35	139.67	851947	852462	515	0	730	70	526	597
7/29/2016	Yes	Yes	237.88	226.30	144.82	852462	852786	324	0	615	76	511	586
7/30/2016	Yes	Yes	11.38	357.30	153.10	852786	852979	193	0	0	74	516	575
7/31/2016	No	Yes	0.00	23.42	142.74	852979	852979	0	0	0	74	0	0
Average			323.46	167.52	103.10								
Minimum			0.00	20.45	21.12								
Maximum			796.29	369.30	153.10								
TOTAL								8956	0	6471			


Injection Information - July 2016
Annulus Pressure (psi)
Tubing Pressure (psi)
Avg. Air Temperature (of)
Pump 1 (psi)
Pump 2 (psi)
Pressure, psig
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
6/29/2016
7/4/2016
7/9/2016
7/14/2016
7/19/2016
7/24/2016
7/29/2016
8/3/2016

Date	Injecting Fluid?	Pressured Annulus?	Injection Rate (bbl/day)	Tubing Pressure (psi)	Annulus Pressure (psi)	Initial Volume Meter (bbl)	Final Volume Meter (bbl)	Volume Injected (bbl)	Hauled DCP (bbl)	Hauled KPK (bbl)	Avg. Air Temperature (°f)	Pump 1 (psi)	Pump 2 (psi)
8/1/2016	Yes	Yes	476.46	798.30	201.60	852979	853172	193	0	620	76	600	608
8/2/2016	Yes	Yes	64.29	703.10	192.80	853172	853257	85	0	590	76	550	597
8/3/2016	Yes	Yes	508.88	805.70	201.30	853257	853702	445	0	300	76	400	800
8/4/2016	Yes	Yes	87.99	628.50	152.70	853702	853785	83	0	375	67	375	580
8/5/2016	Yes	Yes	576.12	585.40	187.30	853785	854429	644	0	720	66	375	580
8/6/2016	Yes	Yes	438.37	580.60	180.20	854429	854834	405	0	0	71	375	580
8/7/2016	No	No	0.00	23.42	142.74	854834	854834	0	0	0	72	0	0
8/8/2016	Yes	Yes	588.92	610.10	205.80	854834	855416	582	0	1200	74	499	595
8/9/2016	Yes	Yes	611.09	631.80	182.10	855416	856006	590	0	231	76	503	576
8/10/2016	Yes	Yes	658.11	615.90	164.50	856006	856667	661	0	150	73	485	567
8/11/2016	Yes	Yes	584.05	608.70	163.70	856667	857312	645	0	980	72	478	542
8/12/2016	Yes	Yes	926.43	609.40	118.80	857312	858321	1009	0	970	66	503	549
8/13/2016	No	No	0.00	23.42	142.74	858321	858321	0	0	0	68	0	0
8/14/2016	No	No	0.00	20.45	111.80	858321	858321	0	0	0	72	0	0
8/15/2016	Yes	Yes	391.03	532.40	170.20	868321	868918	597	0	590	70	622	692
8/16/2016	Yes	Yes	593.42	638.70	167.10	868918	869585	667	0	540	70	560	630
8/17/2016	Yes	Yes	519.84	664.30	178.60	869585	869880	295	0	850	70	596	666
8/18/2016	Yes	Yes	808.80	636.80	153.70	869880	870524	644	0	1050	69	599	669
8/19/2016	Yes	Yes	689.25	591.90	162.80	870524	871261	737	0	545	64	624	694
8/20/2016	Yes	Yes	275.42	617.20	172.10	871261	871658	397	0	0	60	529	544
8/21/2016	No	No	0.00	23.42	142.74	871658	871658	0	0	0	67	0	0
8/22/2016	Yes	Yes	512.52	594.80	172.30	871658	872257	599	0	605	70	595	665
8/23/2016	Yes	Yes	356.40	590.90	165.50	872257	872819	562	0	450	68	580	650
8/24/2016	Yes	Yes	497.16	609.10	159.40	872819	873454	635	0	900	60	604	674
8/25/2016	Yes	Yes	598.86	566.30	151.90	873454	874054	600	0	800	58	559	629
8/26/2016	Yes	Yes	182.22	558.70	189.50	874054	874196	142	0	0	66	612	682
8/27/2016	Yes	Yes	263.51	597.60	201.40	874196	874538	342	0	0	65	545	631
8/28/2016	No	No	0.00	22.52	104.19	874538	874538	0	0	0	76	0	0
8/29/2016	Yes	Yes	857.69	621.10	145.60	874538	875188	650	0	990	70	615	685
8/30/2016	Yes	Yes	196.80	618.00	138.20	875188	875915	727	0	710	66	608	678
8/31/2016	Yes	Yes	567.60	615.80	142.70	875915	876406	491	0	750	64	615	685
Average			416.10	527.24	163.42								
Minimum			0.00	20.45	104.19								
Maximum			926.43	805.70	205.80								
TOTAL								13427	0	14916			


Injection Information - August 2016
Annulus Pressure (psi)
Tubing Pressure (psi)
Avg. Air Temperature (of)
Pump 1 (psi)
Pump 2 (psi)
Pressure, psig
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
7/29/2016
8/3/2016
8/8/2016
8/13/2016
8/18/2016
8/23/2016
8/28/2016
9/2/2016

Date	Injecting Fluid?	Pressured Annulus?	Injection Rate (bbl/day)	Tubing Pressure (psi)	Annulus Pressure (psi)	Initial Volume Meter (bbl)	Final Volume Meter (bbl)	Volume Injected (bbl)	Hauled DCP (bbl)	Hauled KPK (bbl)	Avg. Air Temperature (°f)	Pump 1 (psi)	Pump 2 (psi)
9/1/2016	Yes	Yes	394.89	615.10	183.40	876406	876755	349	0	435	67	545	631
9/2/2016	Yes	Yes	798.92	622.40	132.10	876755	877447	692	0	895	72	576	662
9/3/2016	No	Yes	0.00	23.42	142.74	877447	877447	0	0	0	68	0	0
9/4/2016	No	Yes	0.00	23.34	104.02	877447	877447	0	0	0	68	0	0
9/5/2016	No	Yes	0.00	20.45	111.80	877447	877447	0	0	0	68	0	0
9/6/2016	Yes	Yes	613.98	580.40	147.20	877447	877944	497	0	780	66	545	639
9/7/2016	Yes	Yes	511.79	601.80	163.20	877944	878433	489	0	780	70	560	650
9/8/2016	Yes	Yes	816.25	598.20	148.50	878433	879083	650	0	1040	68	560	642
9/9/2016	Yes	Yes	685.47	597.80	157.40	879083	879736	653	0	840	60	565	668
9/10/2016	No	Yes	0.00	22.52	104.19	879736	879736	0	0	0	60	0	0
9/11/2016	No	Yes	0.00	23.42	142.74	879736	879736	0	0	0	66	0	0
9/12/2016	Yes	Yes	704.72	589.40	156.70	879736	880367	631	0	555	64	570	682
9/13/2016	Yes	Yes	427.86	603.50	164.10	880367	880807	440	0	710	54	570	695
9/14/2016	Yes	Yes	776.25	595.20	152.80	880807	881453	646	0	555	60	515	585
9/15/2016	Yes	Yes	388.36	609.60	156.20	881453	881822	369	0	290	60	526	608
9/16/2016	Yes	Yes	104.26	702.40	155.10	881822	882155	333	0	685	56	605	677
9/17/2016	No	Yes	0.00	23.38	113.10	882155	882155	0	0	0	60	0	0
9/18/2016	No	Yes	0.00	21.30	109.10	882155	882155	0	0	0	66	0	0
9/19/2016	Yes	Yes	343.16	692.40	205.10	882155	882557	402	0	475	68	549	597
9/20/2016	Yes	Yes	555.74	698.30	162.40	882557	883078	521	0	780	70	537	620
9/21/2016	Yes	Yes	469.68	685.10	150.10	883078	883369	291	0	415	72	561	631
9/22/2016	Yes	Yes	520.03	681.20	146.80	883369	883689	320	0	680	60	573	642
9/23/2016	Yes	Yes	686.34	704.90	137.40	883689	884253	564	0	900	68	570	640
9/24/2016	No	Yes	0.00	24.60	139.40	884253	884253	0	0	0	54	0	0
9/25/2016	No	Yes	0.00	19.80	109.70	884253	884253	0	0	0	56	0	0
9/26/2016	Yes	Yes	443.72	680.10	156.40	884253	884813	560	0	731	56	616	686
9/27/2016	Yes	Yes	446.95	678.10	153.80	884813	885284	471	0	490	60	597	668
9/28/2016	Yes	Yes	193.25	658.10	161.70	885284	885684	400	0	520	61	616	658
9/29/2016	Yes	Yes	573.15	678.80	147.90	885684	886490	806	0	770	60	624	661
9/30/2016	Yes	Yes	606.82	680.70	138.40	886490	887079	589	0	505	62	620	691
Average			368.72	458.52	145.12								
Minimum			0.00	19.80	104.02								
Maximum			816.25	704.90	205.10								
TOTAL								10673	0	13831			


Injection Information - September 2016
Annulus Pressure (psi)
Tubing Pressure (psi)
Avg. Air Temperature (of)
Pump 1 (psi)
Pump 2 (psi)
Pressure, psig
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
8/28/2016
9/2/2016
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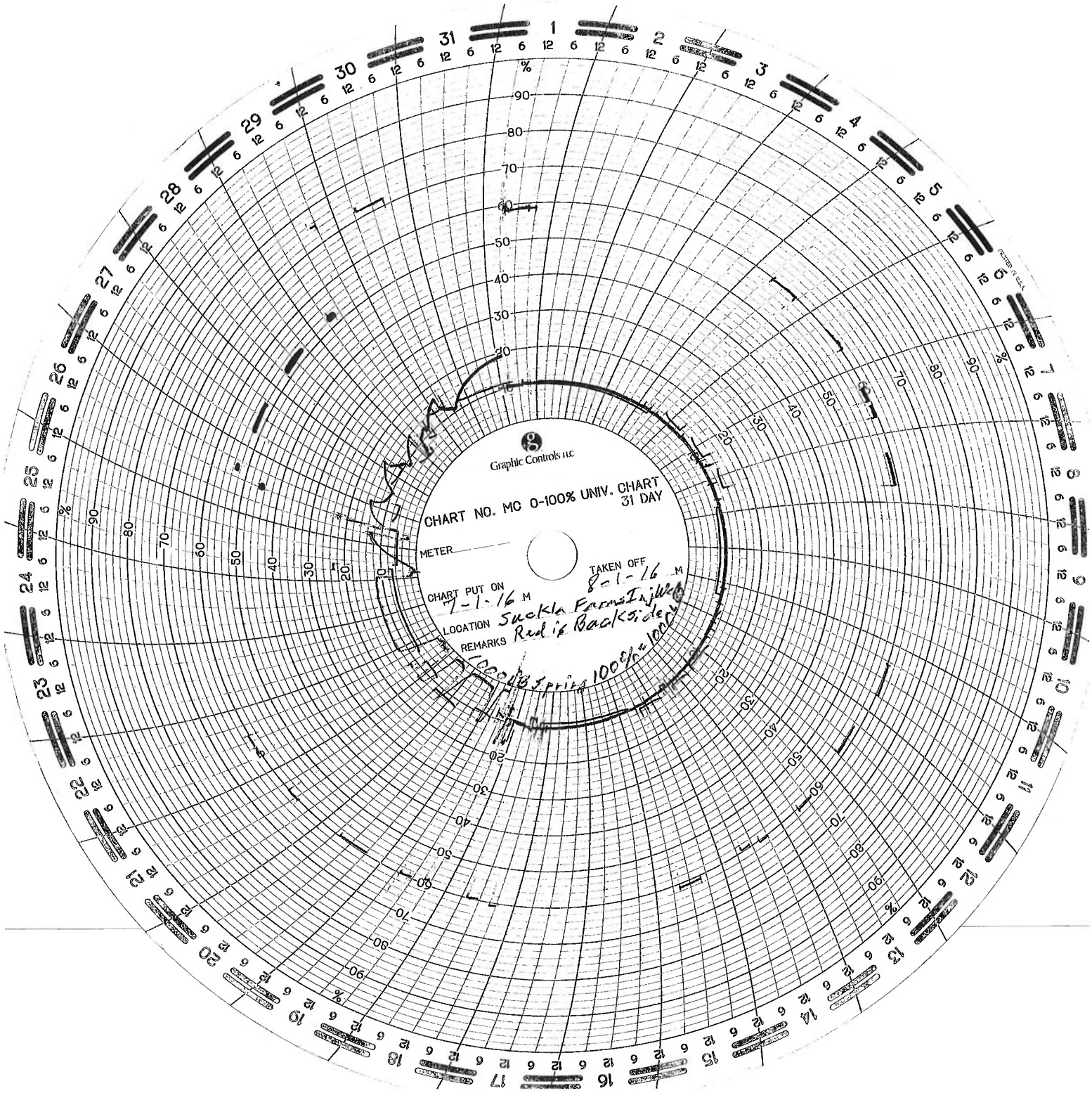
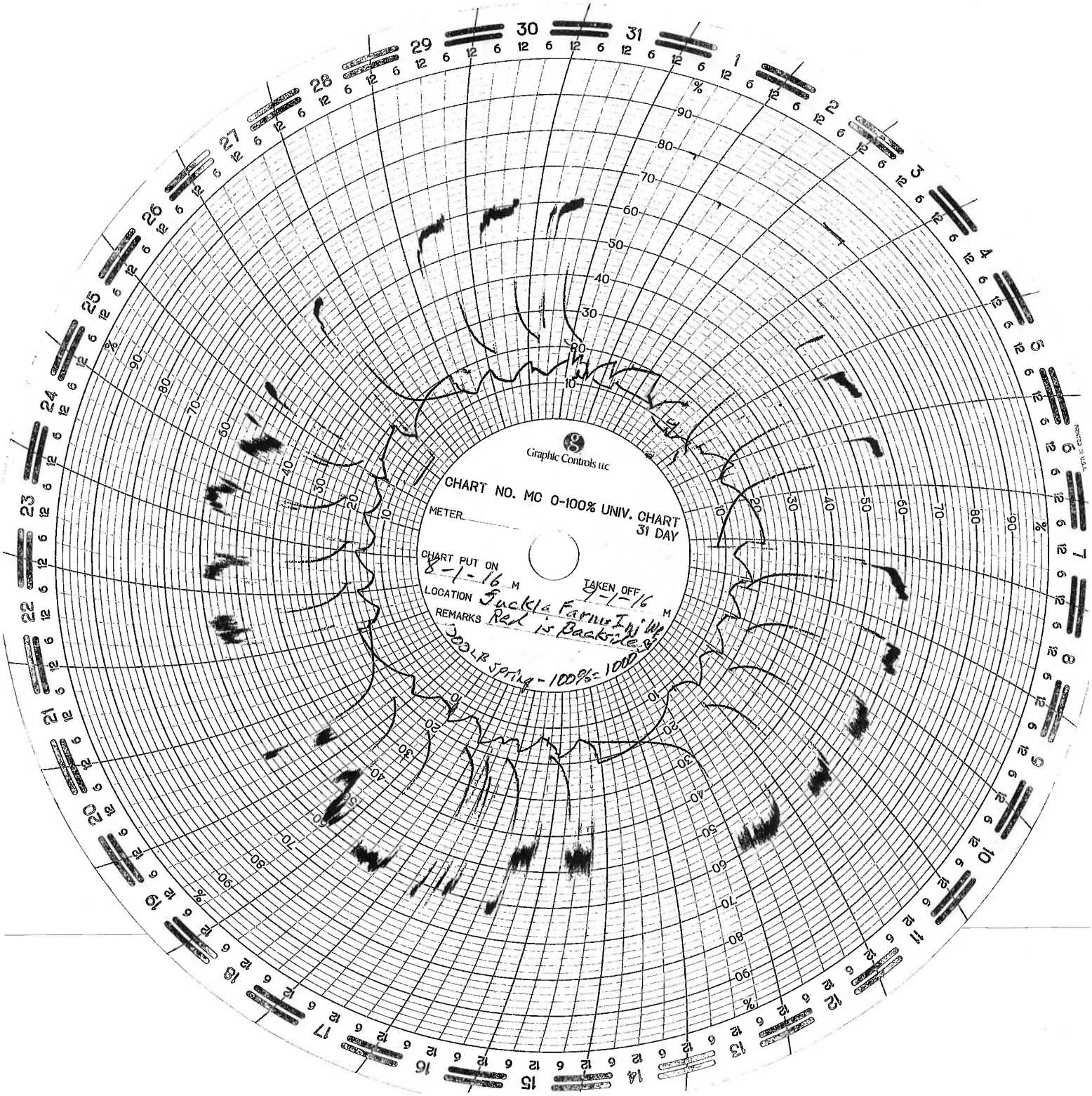
9/22/2016
9/27/2016
10/2/2016


Graphic Controls LLC
CHART NO. MC 0-100% UNIV. CHART
31 DAY
METER
CHART PUT ON 7-1-16 M
TAKEN OFF 8-1-16 M
LOCATION Suckla Farms Injection
REMARKS Red is Backside
Cooler Spring 100% = 100%


Graphic Controls LLC
CHART NO. MC 0-100% UNIV. CHART
31 DAY
METER
CHART PUT ON 8-1-16 M
TAKEN OFF 9-1-16 M
LOCATION Suckla Farm Inj Wl
REMARKS Red is Backside
300LB Spring - 100% = 1000LBS

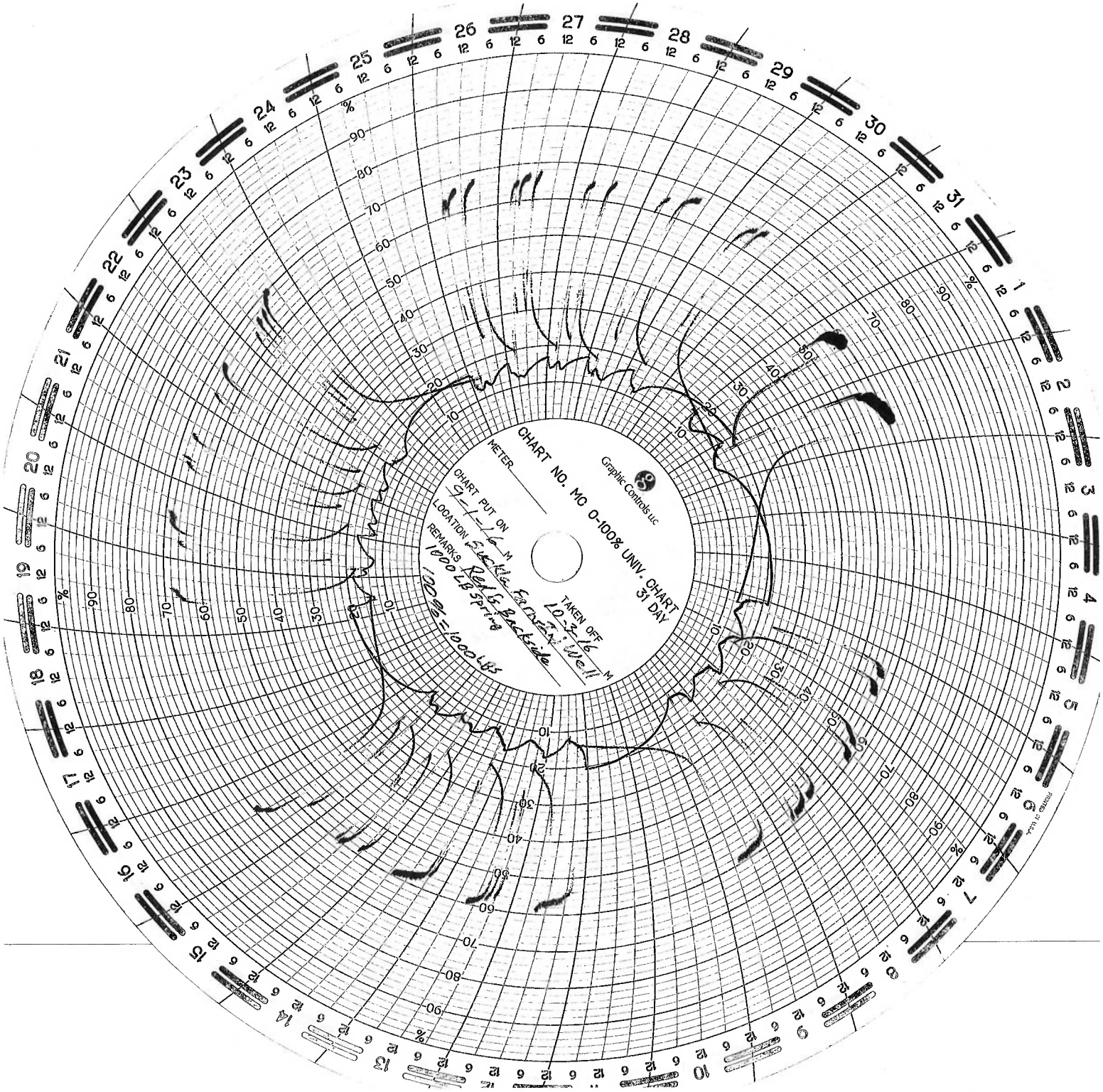


CHART NO. MC 0-100% UNIV. CHART
31 DAY
Graphic Controls LLC
METER
CHART PUT ON
9-1-16 M
LOCATION
Sucklin Farm Well M
TAKEN OFF
10-3-16
REMARKS
Red Lg Backside
1000 LB Spring
Pipe = 1000 LBS

Test Report

eANALYTICS
LABORATORY

August 4, 2016

Client:	K.P. Kauffman Company
Project:	Wattenberg Tank
Lab ID:	5552
Date Samples Received:	7/28/2016
Number of Samples:	1
Sample Condition:	Samples arrived intact and in appropriate sample containers
Sample Temperature:	Samples arrived within the acceptable temperature range as specified in the test method

Comments:

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

Christopher Dieken
Quality Assurance Manager

Todd Rhea
Laboratory Manager

Suckla Farms #1 Well 3rd Qtr. Waste Fluid Analysis Data - 2016
Baseline Comparison

	General Chemistry									Dissolved Metals			
Date	Chloride (mg/l)	HEM Oil & Grease (mg/l)	Nitrogen, Nitrate (mg/l)	Nitrogen, Nitrite (mg/l)	TDS (mg/l)	SG	Sulfate (mg/l)	Total Organic Carbon (mg/l)	pH	Calcium (ug/l)	Magnesium (ug/l)	Potassium (ug/l)	Sodium (ug/l)
7/28/2016	9600	6.9	<2.0	<2.0	15780	1.01	106.0	82.0	6.9	147000	23900	121000	5864000
8/30/2016	6480	55.8	<2.0	<2.0	20040	1.16	<2.0	197.0	6.8	228000	19900	67300	5459000
9/23/2016	9840	12.5	<2.0	<2.0	20110	1.02	9.0	134.0	6.8	209000	32500	63400	7126000

Baseline data based on three (3) years of monitoring events (2014-2012)

	TDS (mg/l)	pH	SG
Average:	16778.571	7.374	1.011

Baseline Data Comparison

Date	pH	TDS	TDS Difference	SG	SG Difference
	<2 and/or <12.5	20% > Baseline	TDS/Baseline	10% > Baseline	SG/Baseline
7/28/2016	No	No	-6.0%	No	-0.1%
8/30/2016	No	No	19.4%	Yes	14.8%
9/23/2016	No	No	19.9%	No	0.4%

Chain of Custody

eANALYTICS LABORATORY

CHAIN OF CUSTODY

APEX CONSULTING SERVICES, INC.
BOX 368 LONGMONT, CO 80502-0368
303-665-1400

Project Information

Project Name: WATTENBERG TANK
Street:
City: Fort Lupton
State: CO
Project #:
Fax #:
Client Purchase Order #: 7891

Company Name: K.P. Kauffman Company, Inc.
Address: 1675 Broadway, Suite 2800
City: Denver
State: CO
Zip: 80202-4628
Project Contact: Susana Lara-Mesa
Phone #: 303-825-4822
Sampler's Name: MICHAEL HATTEL (303-665-1400)

Requested Analysis

Acct. #	Sample #	Field ID / Point of Collection	MRON Vial #	Date	Time	Sampled by	Matrix	# of Bottles	OIL & GREASE 1664	AMIONS (NITRATE, NITRITE, SULFATE, CHLORIDE)	pH	CATIONS (Ca, K, Mg, NA)	SPECIFIC GRAVITY	TDS	TOC	LAB USE ONLY
	1	TANK - 1		9/28/16	8:00	MDH	LIQ	2	X	X	X	X	X	X	X	

Matrix Codes: DW, Drinking Water; GW, Ground Water; SW, Surface Water; SO, Soil; S, Solids; O, Oil; LQ, Other Liquid; AIR, Air; WQ, Other Water; WP, Wipe

Data Deliverable Format: Standard: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

Number of preserved Bottles

Data Deliverable Requirements: Standard: A; Commercial "A"; Commercial "B"; RU Reduced; RU Full; Hard Copy; FULL CLP; NYASP Category A; NYASP Category B; State Forms; PDF

Approved By / Date:

Emergency TAT data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by: 7/28/16 Received by: 7/28/16 Relinquished by: 7/28/16 Received by: 7/28/16 Relinquished by: Received by:

Date Time: 7/28/16 1035 Date Time: 7/28/16 1125

Cooler Temp: Custody Seals Intact: Yes No

Fast UPLOC Package Needed for Report

PDF copy to Susan Lara-Mesa at Slaramesa@kpk.com

PDF copy to Mike Hattel with APEX at mhattel@msn.com

Water
Sample Analysis

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5552
Project:	Wattenberg Tank		
Analysis:	Oil & Grease	Method:	EPA1664/9071B

Sample Name	Oil & Grease mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	6.87	07/28/16	07/28/16	5552	1

eANALYTICS
LABORATORY

Client: K.P. Kauffman Company

Lab ID: 5552

Project: Wattenberg Tank

Analysis: Anions

Method: EPA300.0

Sample Name	Nitrate mg/L	Nitrite mg/L	Sulfate mg/L	Chloride mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	<2.0	<2.0	106	9600	07/28/16	07/28/16	5552	1

Water
Sample Analysis

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5552
Project:	Wattenberg Tank		
Analysis:	Specific Gravity	Method:	ASTMD1298
	Total Dissolved Solids		EPA160.1
	Total Organic Carbon		EPA415.1
	pH		EPA150.1

Sample Name	Specific Gravity	Total Dissolved Solids	Total Organic Carbon	pH	Date Sampled	Date Analyzed	Lab ID	
	mg/L	mg/L	mg/L	su				
Tank-1	1.010	15780	82	6.9	07/28/16	07/29/16	5552	1

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5552
Project:	Wattenberg Tank		
Analysis:	Total Metals	Method:	EPA6010

Sample Name	Ca-Calcium mg/L	K-Potassium mg/L	Mg-Magnesium mg/L	Na-Sodium mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	147	121	23.9	5864	07/28/16	08/02/16	5552	1

Matrix
Quality Control - Analyses

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5552
Project:	Wattenberg Tank		
Analysis:	Oil & Grease	Method:	EPA1664/9071B

Sample Name	Oil & Grease % Rec	Date Analyzed	Lab ID
Laboratory Control Sample	100	07/28/16	LCS 5552 1
(70-130%)			
Method Blank	<5.0	07/28/16	MB 5552 1
	mg/L		

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5552
Project:	Wattenberg Tank		
Analysis:	Total Metals	Method:	EPA6010

Sample Name	Ca-Calcium % Rec	K-Potassium % Rec	Mg-Magnesium % Rec	Na-Sodium % Rec	Date Analyzed		Lab ID	
Laboratory Control Sample	96	102	103	94	08/02/16	LCS	5552	1
(90-110%)								
Method Blank	<4.0	<1.0	<2.0	<8.0	08/02/16	MB	5552	1
	mg/L	mg/L	mg/L	mg/L				

Test Report

eANALYTICS

LABORATORY

September 6, 2016

Client:	K.P. Kauffman Company
Project:	Wattenberg Tank
Lab ID:	5728
Date Samples Received:	8/30/2016
Number of Samples:	1
Sample Condition:	Samples arrived intact and in appropriate sample containers
Sample Temperature:	Samples arrived within the acceptable temperature range as specified in the test method

Comments:

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

Christopher Dieken
Quality Assurance Manager

Todd Rhea
Laboratory Manager

eANALYTICS LABORATORY

CHAIN OF CUSTODY

APEX CONSULTING SERVICES, INC.
BOX 369 · LOUISVILLE, CO 80027-0369
303-665-1400

Client / Reporting Information

Company Name: K.P. Kauffman Company, Inc.
Address: 1675 Broadway, Suite 2800
City: Denver State: CO Zip: 80202-4628
Project Contact: Susana Lara-Mesa SLaraMesa@kpk.com
Phone #: 303-825-4822
Sampler's Name: MICHAEL HATTEL (303-665-1400)

Project Information

Project Name: WATTENBERG TANK
Street:
City: Fort Lupton State: CO
Project #:
Fax #:
Client Purchase Order #: 7891

Requested Analysis

Accession Sample #	Field ID / Point of Collection	MRCH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	OIL & GREASE 1664	ANIONS (NITRATE, NITRITE, SULFATE, CHLORIDE)	pH	CATIONS (Ca, K, Mg, NA)	SPECIFIC GRAVITY	TDS	TOC	Matrix Codes / LAB USE ONLY
1	TANK - 1		8/30/16	10:00	MDH	LIQ	2	X	X	X	X	X	X	X	

Turnaround Time (Business days): X Std.

Approved By / Date

Data Deliverable Information: Commercial "A"; Commercial "B"; NJ Reduced; NJ Full; X Hard Copy; FULL SLP; NYASP Category A; NYASP Category B; State Forms; X PDF

Comments / Remarks:
Full QA/QC Package Needed for Report
PDF copy to Susan Lara-Mesa at Slaramesa@kpk.com
PDF copy to Mike Hattel with APEX at mhattel@msn.com

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received by	Date Time
		[signature]	8/30/16 1005
Relinquished by	Date Time	Received by	Date Time
Relinquished by	Date Time	Received by	Cooler Temp.

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5728
Project:	Wattenberg Tank		
Analysis:	Oil & Grease	Method:	EPA1664/9071B

Sample Name	Oil & Grease mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	55.8	08/30/16	09/01/16	5728	1

Matrix
Sample Analysis

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5728
Project:	Wattenberg Tank		
Analysis:	Anions	Method:	EPA300.0

Sample Name	Nitrate mg/L	Nitrite mg/L	Sulfate mg/L	Chloride mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	<2.0	<2.0	<2.0	6480	08/30/16	08/30/16	5728	1

Water
Sample Analysis

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5728
Project:	Wattenberg Tank		
Analysis:	Specific Gravity	Method:	ASTMD1298
	Total Dissolved Solids		EPA160.1
	Total Organic Carbon		EPA415.1
	pH		EPA150.1

Sample Name	Specific Gravity	Total Dissolved Solids	Total Organic Carbon	pH	Date Sampled	Date Analyzed	Lab ID	
	mg/L	mg/L	mg/L	su				
Tank-1	1.160	20040	197	6.8	08/30/16	08/30/16	5728	1

Water
Sample Analysis

eANALYTICS
LABORATORY

Client: K.P. Kauffman Company

Lab ID: 5728

Project: Wattenberg Tank

Analysis: Total Metals

Method: EPA6010

Sample Name	Ca-Calcium mg/L	K-Potassium mg/L	Mg-Magnesium mg/L	Na-Sodium mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	228	67.3	19.9	5459	08/30/16	09/01/16	5728	1

eANALYTICS
LABORATORY

Client:	K.P. Kauffman Company	Lab ID:	5728
Project:	Wattenberg Tank		
Analysis:	Total Metals	Method:	EPA6010

Sample Name	Ca-Calcium % Rec	K-Potassium % Rec	Mg-Magnesium % Rec	Na-Sodium % Rec	Date Analyzed		Lab ID	
Laboratory Control Sample	104	103	104	94	09/01/16	LCS	5728	1
(90-110%)								
Method Blank	<4.0	<1.0	<2.0	<8.0	09/01/16	MB	5728	1
	mg/L	mg/L	mg/L	mg/L				

Test Report

eANALYTICS

LABORATORY

September 29, 2016

Client:	K.P. Kauffman Company
Project:	Wattenberg Tank
Lab ID:	5866
Date Samples Received:	9/23/2016
Number of Samples:	1
Sample Condition:	Samples arrived intact and in appropriate sample containers
Sample Temperature:	Samples arrived within the acceptable temperature range as specified in the test method

Comments:

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

Christopher Dieken
Quality Assurance Manager

Todd Rhea
Laboratory Manager

CHAIN OF CUSTODY

APEX OIL&GAS TOOL SERVICES, INC
BOX 399, LOUISVILLE, CO 80027-0399
303-665-1400

PES-ES Tracking # 58660

Client / Reporting Information

Company Name: K.P. Kauffman Company, Inc.
Address: 1675 Broadway, Suite 2500
City: Denver State: CO Zip: 80202-4628
Project Contact: Susana Lara-Mesa SLaraMesa@kpk.com
Phone #: 303-825-4822
Complaint's Name: MICHAEL HATTEL (303-665-1400)

Project Information

Project Name: WATTENBERG TANK
Street:
City: Fort Lupton State: CO
Project #:
Fax #:
Client Purchase Order #: 7591

Sample #	Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	OIL & GREASE 1664	ANIONS (NITRATE, NITRITE, SULFATE, CHLORIDE)	pH	CATIONS (Ca, K, Mg, NA)	SPECIFIC GRAVITY	TDS	TOC
1	TANK - I	9/23/16	730	MDH	LIQ	2	X	X	X	X	X	X	X

Requested Analysis

Matrix Codes: DW- Drinking Water; GW- Ground Water; WW- Water; SW- Surface Water; SO- Soil; SL- Sludge; OI- Oil; LIQ- Other Liquid; AIR- Air; SOL- Other Solid; WIPE- Wipe

LAB USE ONLY

Turnaround Time (Business Days): X Std.

Approved By / Date:

Emergency T/A data available VIA Lablink

Data Deliverables Information: Commercial "A"; Commercial "B"; NJ Reduced; NJ Full; X Hard Copy; FULL CLP; NYASP Category A; NYASP Category B; State Forms; X PDF

Comments / Remarks:
Full QA/QC Package Needed for Report
PDF copy to Susan Lara-Mesa at Slaramesa@kpk.com
PDF copy to Mike Hattel with APEX at mhattel@msn.com

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received by	Date Time
Relinquished by:	Date Time	Received by:	Date Time 9/23/16
Relinquished by:	Date Time	Received by:	Custody Seal #

Cooler Temp. D: Cooler Temp. C:

eAnalytics Laboratory
4130 Clydesdale Parkway, Loveland CO 80538

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

Water
Sample Analysis

September 29, 2016

eANALYTICS
LABORATORY

Client: K.P. Kauffman Company

Lab ID: 5866

Project: Wattenberg Tank

Analysis: Oil & Grease

Method: EPA1664/9071B

Sample Name	Oil & Grease mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	12.5	09/23/16	09/27/16	5866	1

eANALYTICS
LABORATORY

Client: K.P. Kauffman Company
Lab ID: 5866

Project: Wattenberg Tank

Analysis: Anions
Method: EPA300.0

Sample Name	Nitrate mg/L	Nitrite mg/L	Sulfate mg/L	Chloride mg/L	Date Sampled	Date Analyzed	Lab ID	
Tank-1	<2.0	<2.0	9	9840	09/23/16	09/23/16	5866	1

eANALYTICS
LABORATORY

Client: K.P. Kauffman Company

Lab ID: 5866

Project: Wattenberg Tank

Analysis: Specific Gravity
Total Dissolved Solids
Total Organic Carbon
pH

Method: ASTMD1298
EPA160.1
EPA415.1
EPA150.1

Sample Name	Specific Gravity	Total Dissolved Solids	Total Organic Carbon	pH	Date Sampled	Date Analyzed	Lab ID	
	mg/L	mg/L	mg/L	su				
Tank-1	1.015	20110	134	6.8	09/23/16	09/23/16	5866	1

M2.5 - COLORADO

Globe with Earthquake Location

Preliminary Earthquake Report

Magnitude	2.5
Date-Time	25 Aug 2016 08:27:36 UTC 25 Aug 2016 02:27:36 near epicenter 25 Aug 2016 00:27:36 standard time in your timezone
Location	40.470N 104.661W
Depth	3 km
Distances	6 km (3 mi) NE of Greeley, Colorado 10 km (6 mi) NNE of Evans, Colorado 20 km (12 mi) E of Windsor, Colorado 36 km (22 mi) ENE of Loveland, Colorado 75 km (46 mi) S of Cheyenne, Wyoming
Location Uncertainty	Horizontal: 1.2 km; Vertical 2.7 km
Parameters	Nph = 27; Dmin = 3.2 km; Rmss = 0.48 seconds; Gp = 79° Version =
Event ID	us 20006tzp

For updates, maps, and technical information, see: Event Page or USGS Earthquake Hazards Program
National Earthquake Information Center
U.S. Geological Survey
http://earthquake.usgs.gov/regional/neic/

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