Confidentiality Requested: Yes No

# KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1162106

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

#### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Name:	
Address 2:	
City:	Vest
Contact Person:       Footages Calculated from Nearest Outside Section Corner:         Phone: ()       NE         CONTRACTOR: License #       GPS Location: Lat:, Long:	ction
Phone:	ction
CONTRACTOR: License #	
Name:	
Name:         (e.g. xx.xxxx)         (e.g. xx.xxxx)           Wellsite Geologist:         Datum:         NAD27         NAD83         WGS84	
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion: Use Name: Well #:	
New Well     Re-Entry     Workover	
Producing Formation:	
Oil       WSW       SWD       SlOW         Elevation:       Ground:       Kelly Bushing:	
Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.       Total Vertical Depth: Plug Back Total Depth:	
OG	Feet
Cathodic Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? Yes No	
If Workover/Re-entry: Old Well Info as follows:       If yes, show depth set:	Feet
Operator: If Alternate II completion, cement circulated from:	
Well Name:         feet depth to:         w/sx	
Original Comp. Date: Original Total Depth:	01110.
Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD       Drilling Fluid Management Plan         Plug Back       Conv. to GSW       Conv. to Producer       (Data must be collected from the Reserve Pit)	
Chloride content: ppm Fluid volume:	bbls
Dual Completion Permit #: Dewatering method used:	
SWD Permit #: Location of fluid disposal if hauled offsite:	
ENHR         Permit #:         Operator Name:	
GSW Permit #:	
Lease Name: License #:	
Spud Date or       Date Reached TD       Completion Date or         Recompletion Date       Recompletion Date       County:       Permit #:	Nest

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

## Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

				Page Two	106		
Operator Nar	ne:			Lease Name:		_ Well #:	
Sec	Twp	_S. R	East West	County:			

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)		Yes No		Log Formatio	on (Top), Depth an	nd Datum	Sample
Samples Sent to Geological Survey		Yes No	Nan	ne	Тор		Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-		ew Used termediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	_ CEMENTING / SQ	UEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment o	n this well?		Yes	No (If No, ski	p questions 2 an	d 3)

- · · · · · · · · · · · · · · · · · · ·	
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	

	140	
	No	
	No	

Yes

Yes

(If No, skip question 3) (If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e	A		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner Ru		No	
Date of First, Resumed Production, SWD or ENHR.			<b>}</b> .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
						1			1	
DISPOSITION OF GAS:		METHOD OF COMPLETION:		TION:		PRODUCTION INTER	RVAL:			
Vented Solo	d 🗌	Used on Lease		Open Hole	Perf.		Comp.	Commingled		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify,	)	(Submit )	,	(Submit ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	WEBER 1-14
Doc ID	1162106

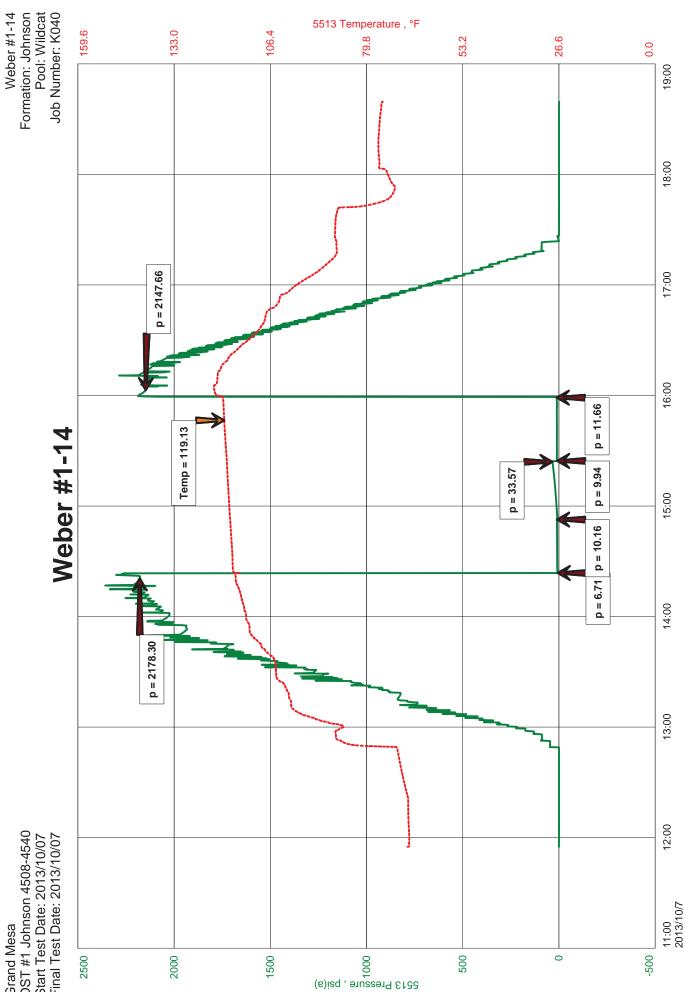
Tops

Name	Тор	Datum
Stone Corral	2370	+522
Bs/Stone Corral	2394	+498
Heebner	3912	-1020
Lansing	3954	-1062
Muncie Creek	4109	-1217
Stark	4193	-1301
Excello	4444	-1552
Mississippian	4580	-1688
LTD	4669	

SOUTHLAK	3999 (E, TEXAS 760	92		SER	VICE POINT:
DATE 9/29/13 SEC.	TWP 13	RANGE	CALLED OUT	ON LOCATION	10B START JOB FIN
LEASE MAD PC WEL	I# 1-14	LOCATION DOK	115 F	= 251%F	COUNTY STATE
OLD OR NEW (Circle o		ALA UL	7-14-9-6		Good KJ
	11.10	fu zue m	( <u> </u>	~	_) ·
	uke 10		<u>ÓWNER</u>	San e	
HOLE SIZE 1X/4	T.D.	212	CEMENT		
CASING SIZE 81				RDERED 14C	Con Macco
TUBING SIZE	DEP				Com Incl
DRILL PIPE	DEP				
TOOL PRES. MAX	DEP		<b>-</b> .		
MEAS. LINE		IMUM E IOINT	COMMON_	_145	_@1
CEMENT LEFT IN CSG	<u> </u>		_ POZMIX _ 		_@
PERFS.	· <u> </u>		CHLORIDE		-@
DISPLACEMENT	13	Un BBI_	ASC		
F	EQUIPMENT				@
	-		·		@
PUMP TRUCK CEME	ENTER Alon		•		@
# 423-221 HELP			• •		@
BULKTRUCK	NI I	·	- <u>·</u> · · · ·	•	
# 378 DRIV	ER HOL (	Tws	-		_@
BULK TRUCK # DRIVI	CD	-			@
DRIVI	EN		HANDLING	e la companya de	
Cont. Shut			u 	SERVI	
Conent Shut	Grad	la le	DEPTH OF J	OB K CHARGE	222
Conent Shit	Ciral	lali	DEPTH OF J	OB K CHAROB TAGB	
Canent Aid	Ciral Temps	lall	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	08 K CHARGE TAGE 25_ ///{k2	222
	Terrid Han. I	la la V	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	08 K CHARGE TAGE 25_ <i>Miles</i>	
CHARGE TO: GAM	Ciran Tanil Hon I Mega Q	lall Lin, Alex perciting	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	08 K CHARGE TAGE 25_ ///{k2	222
CHARGE TO: Gram	Terrid Han. I	lall Kein, Alezs Jerithing	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	08 K CHARGE TAGE 25_ ///{k2	TOTAL
CHARGE TO: Gram	They Hand	tein, Alex periting	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 25 Mles Z 25 Mles	TOTAL
CHARGE TO: Gram Street City	Torry Plan A Mega Q STATE	tein, Alex periting	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 25 Mles Z 25 Mles	
CHARGE TO: Gran	Torns Hon H Mega Q STATE	Kein, Alozo Acrithing 	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 25 Mles Z 25 Mles	
CHARGE TO: Grant	Torns Hon. H Mega O STATE ervices, LLC. ed to rent ceme	Kerin, Aleys Acrithing ZIP	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 25 Mles Z 25 Mles	
CHARGE TO: CARAN STREET CITY To: Allied Oll & Gas Se You are hereby requeste and furnish cementer an	Torns Hon. H Maga O STATE ervices, LLC. ed to rent ceme nd helper(s) to	Kerrichting Acticiting ZIP enting equipment assist owner or	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 25 Mles Z 25 Mles	
CHARGE TO: Grant	The factor of the second secon	Liver, Aleys Revealed and a second se	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 2 S Miles 2 S Alles PLUG & FLOAT	
CHARGE TO: CLOW STREET CITY To: Allied Oli & Gas Se You are hereby requeste and furnish cementer an contractor to do work as done to satisfaction and contractor. I have read	The far of the second s	ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	OB K CHARGE TAGE 2 S Miles 2 S Alles PLUG & FLOAT	
CHARGE TO: CAMM STREET CITY To: Allied Oil & Gas Se You are hereby requeste and furnish cementer an contractor to do work as done to satisfaction and contractor. I have read TERMS AND CONDIT	The far of the second s	ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD	08 K CHARGE AGE 2 M/kz 2 A/kz PLUG & FLOAT	
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CHARGE TO: CAMM STREET CITY To: Allied Oll & Gas Se You are hereby requeste and furnish cementer an contractor to do work as done to satisfaction and contractor. I have read	The far of the second s	ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP	DEPTH OF J PUMP TRUC BXTRA FOO MILEAGE MANIFOLD LATENCAY A	OB K CHARGE TAGE 2 5 m/les 2 2 5 alls PLUG & FLOAT  (If Any) RGES	
CHARGE TO: CAMM STREET CITY CITY To: Allied Oil & Gas Se You are hereby requeste and furnish cementer an contractor to do work as done to satisfaction and contractor. I have read TERMS AND CONDIT PRINTED NAME	The far of the second s	ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE MANIFOLD LATEUCAYCE  SALES TAX	OB K CHARGE TAGE 2 5 m/les 2 2 5 alls PLUG & FLOAT  (If Any) RGES	Image: Constraint of the second se
CHARGE TO: CAMM STREET CITY To: Allied Oil & Gas Se You are hereby requeste and furnish cementer an contractor to do work as done to satisfaction and contractor. I have read TERMS AND CONDIT	The far of the second s	ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP ZIP	DEPTH OF J PUMP TRUC EXTRA FOO MILEAGE MANIFOLD LATEUCAYCE  SALES TAX	OB K CHARGE TAGE 2 5 m/les 2 2 5 alls PLUG & FLOAT  (If Any) RGES	Image: Constraint of the second se

#### ALLIED OIL & GAS SERVICES, LLC 061171 Federal Tax I.D. # 20-8651475 SERVICE POINT: REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 Kakle RANGE CALLED OUT ON LOCATION JOB START JOB PINISH TWP SEC DATE IN A 193 LODDE COUNTY 21000-Ľ LEASE Weby 115 ETO165 TOP 11/4E LOCATION /7/// WELL# ral OLD OR NEW (Circle one) W CONTRACTOR OWNER Сејеју Т.В. TYPE OF JOB PIA CEMENT HOLE SIZE AMOUNT ORDERED \_225 60440 CASING SIZE をうち DEPTH 222 **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON a MEAS. LINE SHOE JOINT POZMIX Ø, GEL a CEMENT LEFT IN CSG. CHLORIDE 0 PERFS. DISPLACEMENT ASC ø Alasa 55/6 ø EQUIPMENT 0 @ CEMENTER Had PUMP TRUCK 0 #372-881 HELPER kla, Ø BULK TRUCK # 396 0 lon NIK PO DRIVER 0 BULK TRUCK DRIVER # HANDLING MILEAGE 2 94 **REMARKS:** TOTA SERVICE DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE MILEAGE\_ MANIFOLD 1 Tellisell 25 Tosles CHARGE TO Grand Mise TOTAL STREET \_ STATE ZIP. CITY\_ PLUG & FLOAT EQUIPMENT lacation Wait On To: Allied Oil & Gas Services, LLC. ØSID. ucod You are hereby requested to rent cementing equipment ര and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was TOTA done to satisfaction and supervision of owner agent or . contractor. I have read and understand the "GENERAL SALES TAX (If Any) TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGE IF PAID IN 30 DAYS DISCOUNT PRINTED NAME decsor SIGNATURE

Grand Mesa DST #1 Johnson 4508-4540 Start Test Date: 2013/10/07 Final Test Date: 2013/10/07



5513 Time

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# **JASON MCLEMORE**



#### CELL # 620-6170527

## **General Information**

Company Name G Contact Well Name Unique Well ID Surface Location Field Well Type	Pat Reilly Weber #1-14 DST #1 Johnson 4508-4540 14-13s-31w-Gove Wildcat	Well Operator	K040 Jason McLemore Grand Mesa Jason McLemore Kent Matson #7
<b>Test Information</b>			
Test Type Formation Well Fluid Type Test Purpose (AEU	01 Oil	Well Operator Report Date Prepared By	Jason McLemore Grand Mesa 2013/10/07 Jason McLemore
Start Test Date Final Test Date		Start Test Time Final Test Time	11:55:00 18:43:00

#### **Test Results**

**RECOVERED:** 

- 1 Mud With Oil Scum
- 1 Total Fluid

Tool Sample: Drilling Mud



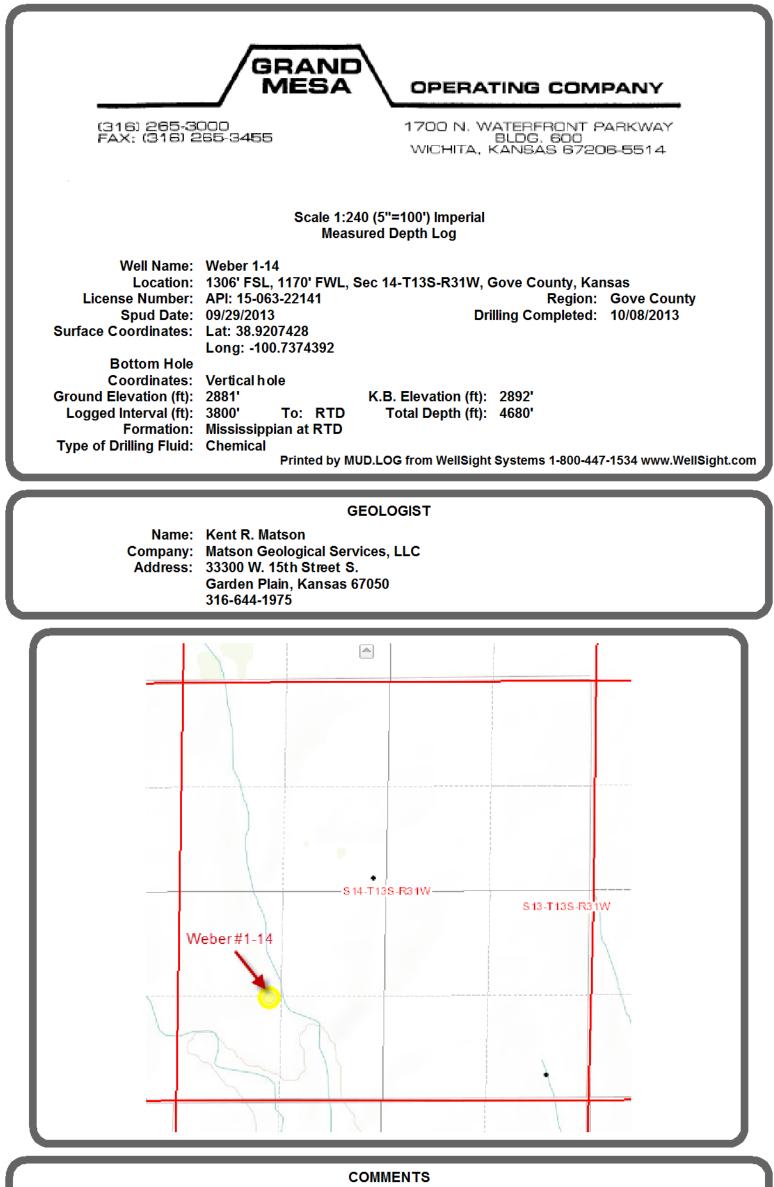
#### DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313 DRILL-STEM TEST TICKET

TIME ON: 11:55 AM

TIME OFF: 18:43 PM

	1	FILE: weber1	dst1				
Company Grand Mesa			_Lease & Well No.	Weber #1-14			
Contractor Duke #10			Charge to Grand	Mesa			
Elevation KB 2892 F	ormation	Johnso	n Effective Pay		Ft. Tic	ket No	k040
Date 10-7-13 Sec.	14Twp	13s S R	ange	31w W County_	Gove	State_	KANSAS
Test Approved By Kent Matson			_ Diamond Represent	ative	Jason M	IcLemore	
Formation Test No. 1	Interval Tested from	m 45	08 ft. to	4540 ft. To	tal Depth		4540 ft.
	3 <sub>ft. Size 6 3/4</sub>		Packer depth				in.
	8 ft. Size 6 3/4		Packer depth				in.
Depth of Selective Zone Set							
Top Recorder Depth (Inside)		4489 <sub>ft.</sub>	Recorder Number	55 <sup>2</sup>	13 Cap.	500	0 P.S.I.
Bottom Recorder Depth (Outside)		4537 <sub>ft.</sub>	Recorder Number		38 Cap.		<sup>50</sup> P.S.I.
Below Straddle Recorder Depth		ft.	Recorder Number		Cap		P.S.I.
Mud Type Chemical Vis	cosity67	7	Drill Collar Length	18	0_ft. I.D	2 1	/4 in
Weight 9.3 Water	Loss9.	6cc.	Weight Pipe Leng	th	0 <sub>ft.</sub> I.D.	2 7	/8 ir
Chlorides	300	00 P.P.M.	Drill Pipe Length _	429	95 ft. I.D.	3 1	/2in
Jars: Make STERLING Seria	al Number	7	Test Tool Length_	3	3 <sub>ft.</sub> Too	Size 3 1,	/2-IF in
Did Well Flow? NO	_Reversed Out	No	Anchor Length	3	2_ft. Size	e4 1/	/2-FHir
Main Hole Size 7 7/8	Tool Joint Size 4	1/2 XH in.	Surface Choke Siz	ze1	_in. Bot	tom Choke Si	ze 5/8 _ ir
Blow: 1st Open: Very Weak Ir	ntermittent Surfa	ace Blow,	No Blowback	<			
<sup>2nd Open:</sup> Dead, Pull To							
Recovered 1 ft. of Mud Wit	h Oil Scum						
Recovered 1 ft. of Total Flo							
Recoveredft. of							
Recoveredft. of							
Recoveredft. of					Price Job		
Recoveredft. of Tool S	ample: Drilling Mu	d			Other Ch	arges	
Remarks:					Insurance	e	
					Total		
Time Set Packer(s) 2:26 PM	A.M. P.M. Time	Started Off Bo	ttom4:01 PM	M A.M. P.M. Ma	aximum Ter	nperature	119
Initial Hydrostatic Pressure			(A)	2178 P.S.I.			
Initial Flow Period	Minutes	30	(B)	7 <sub>P.S.I.</sub>	to (C)	10	P.S.I.
Initial Closed In Period	Minutes	30	(D)	34 P.S.I.			
Final Flow Period	Minutes	30	(E)	10 P.S.I. t	o (F)	11_ <sub>F</sub>	P.S.I.
Final Closed In Period	Minutes	5	(G)	na P.S.I.			
Final Hydrostatic Pressure			(H)	2148 P.S.I.			

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



Drilling Contractor: Duke Drilling Rig #10.

Tool Pusher: Nick Henderson. Surface Casing: 8 5/8" set at 222' (KB) w/145sx cement.

Production Casing: Production casing was not installed based on field observations of drill cuttings, DST results and electric log evaluation. Mud by: MudCo

DST's by: Diamond Testing - Jason McLemore

Logs by: Weatherford (DIL, CN-CD, ML) RTD = 4680'

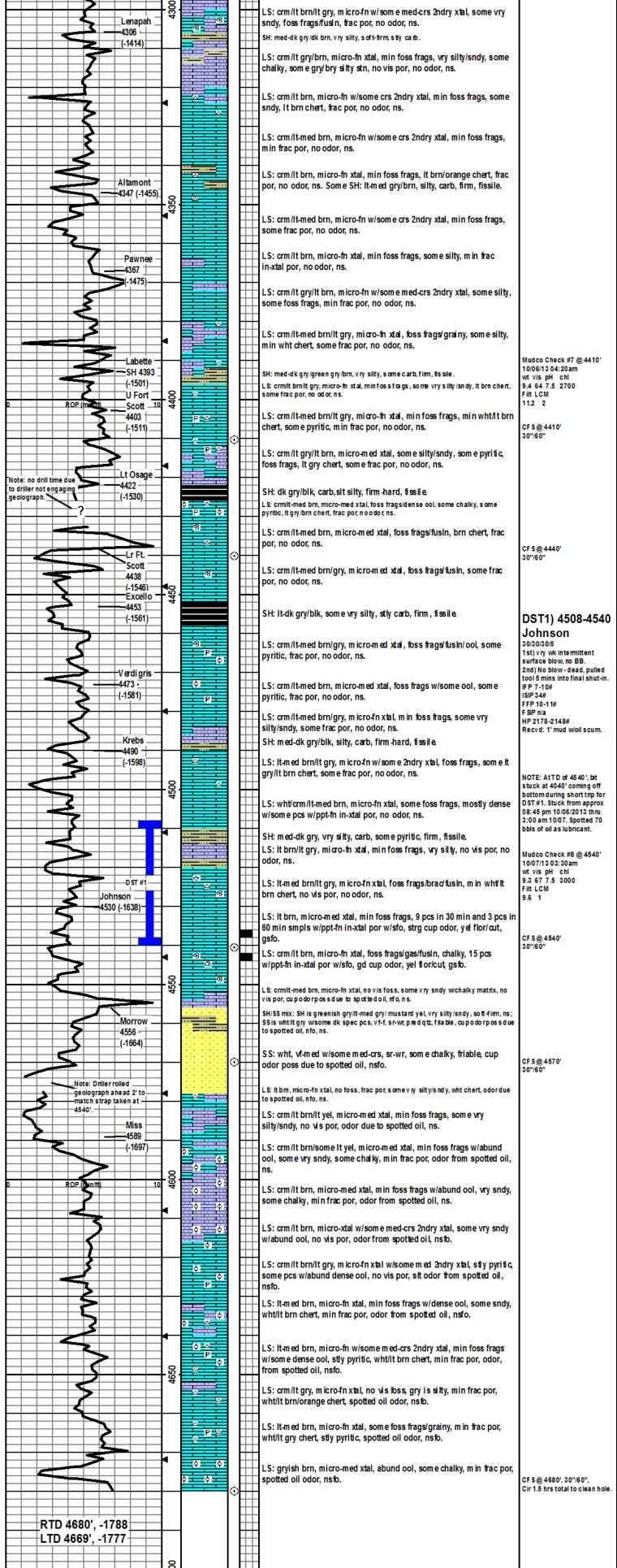
LTD = 4669'

## FORMATION TOPS

FORMATION	SAMPL	E TOPS	LOG TOPS		
	Depth	Datum	Depth	Datum	
Queen Hill	3862'	-970	3852'	-960	
Heebner Shale	3922'	-1030	3912'	-1020	
Toronto	3948'	-1056	3938'	-1046	
Lansing	3963'	-1071	3954'	-1062	
Muncie Creek Shale	4116'	-1224	4109'	-1217	
Stark Shale	4200'	-1308	4193'	-1301	
Hushpuckney Shale	4238'	-1346	4229'	-1337	
Marmaton	4295'	-1403	4287'	-1395	
Upper Fort Scott	4403'	-1511	4395'	-1503	
Little Osage Shale	4422'	-1530	4417'	-1525	
Excello Shale	4453'	-1561	4444'	-1552	
Johnson Zone	4530'	-1638	4522'	-1630	
Morrow	4556'	-1664	4547'	-1655	
Mississippian	4589'	-1697	4580'	-1688	
RTD	4680'	-1788			
LTD			4669'	-1777	

Note: Log Tops are higher than Sample Tops due to the E-log TD being 11' shallower than the drilling log.

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ROP (m in/ft)	th	Lithology	CFS Point	Shows	Geological Descriptions	Remarks
	5 Depth		CFS	Oil S		
	35				Morning Report Depth/Activity 09/29/2013, Spud. 09/30, drill @ 227'. 10/01, drill @ 1434'.	Mudco Check #1: @ 0' 09/26/13, predrilling instructions.
					10/02, drill @ 2691'. 10/03, drill @ 3473'. 10/04, drill @ 4028'. 10/05, drill @ 4197'.	Mudco Check #2 @ 1470' 10/01/13 08:00am wt vis pH chl 9.0 28 8.0 200 Filt LCM n/c n/a
					10/06, drill @ 4430'; stuck at 4540 TOH for DST #1. 10/07, unstuck and short tripping for DST #1 @ 4540'. 10/08, drill @ 4650', TD @4680.	Mudco Check #3 @ 2735' 10/02/13 08:00am wt vis pH chl 9.5 29 7.0 31000
					Anhydrite: Top @ 2370', Botton @ 2402'	Filt LCM n/c tr Mudco Check #4 @ 3505' 10/03/13 08:30am
0 ROP (min/ft) 10	- 0 <u>0</u> 8.				ROP Data begins @ 3600' on 10/03/2013	wtvispH chl 8.749112400 FiltLCM 7.21
<						
	3650					
<u>F</u>	4					
	-					
	•					
	3700					
Note: no drill time due						
	3750					
Deer Creek 3758(-866)						
					Drill cutting samples at 10' intervals start at 3810'.	
0 ROP (min/ff) 10	3800	φ φ 			LS: crm/lt-med brn/gry, m icro-m ed xtal, foss frags/ool, vry silty/sndy, m in wht/lt brn chert, ppt in-xtal por, no odor, ns. LS: crm/lt brn, m icro-med xtal, foss frags/fusln/crin, vry silty/sndy,	
Larsh 3806		0 8			some chalky, ppt-fn in-xtal por, no odor, ns. SH: med-dk gry, vry sitty, carb, firm, fissile. LS: crm/lt brn/gry, micro-med xtal, foss frags, vry silty/sndy, som e	
	<b> </b>				LS: crm/ltbrn/gry, micro-med xial, ross frags, wy siny/sndy, some chalky, some ppt in-xtal por, no odor, ns. LS: crm/lt-dk brn, lt-med gry, micro-med xtal, foss frags/som e ool, vry silty/sndy, some wht/lt brn chert, ppt-fn in-xtal por, no odor, ns.	
					silty/sndy, some wht/lt brn chert, ppt-fn in-xtal por, no odor, ns. LS:crm/lt-med brn, lt-med gry, micro-med xtal, foss frags/crin, vry silty/sndy, ppt-fn in-xtal por, no odor, ns.	
					LS: crm/lt brn, micro-med xtal, foss frags/fusIn, vry silty/sndy, some wht/lt brn chert, ppt-fn in-xtal por, no odor, ns.	
	3850				LS: crm/lt gry, m icro-m ed w/some crs, foss frags, som e sndy, som e ppt-fn in-xtal por, no odor, ns.	
Queen Hill					No sample; assum e LS w/SH.	
		8			LS: crm/lt brn/lt gry, m icro-m ed xtal, foss frags, some vry sitty/sndy, m in ppt in-xtal por, no odor, ns. LS: crm/lt brn, m icro-m ed xtal, foss frags/fusln, som e vry silty/sndy,	
		8 8 4			wht/lt brn chert, som e ppt-fn in-xtal por, no odor, ns. LS: crm/lt brn/lt gry, m icro-m ed xtal w/som e crs, foss frags/ool, som e	
	- 00 3000	¢			silty/sndy, some wht/lt brn chert, som e ppt-fn in-xtal por, no odor, ns. LS: crm/lt brn/lt gry, m icro-m ed xtal, foss frags/fusin, some vry	
3	•				silty/sndy, m in pyritic, ppt-fn in-xtal por, no odor, ns. LS: crm/lt brn/lt gry, m icro-m ed xtal, foss frags/fusln, vry silty/sndy, some wht/lt brn chert, ppt-fn in-xtal por, no odor, ns.	
Heebner		8			SH: dk gry/blk, carb, silty, firm, fissile.	
5		8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			LS: crm/lt brn/lt gry, m icro-m ed xtal, foss frags/gas/fusin/ool, vry silty/sndy, ppt in-xtal por, no odor, ns.	
Toronto 3948	3950	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			LS: crm/lt brn/lt-med gry, micro-med xtal, foss frags/gas/ool, some vry silty/sndy, m in ppt-fn in-xtal por, no odor, ns. LS: crm/lt brn/lt gry, m icro-m ed xtal, foss frags/fusln/brac, som e vry	
Lansing 3963 - (-1071)					silty/sndy, some wht/lt brn chert, min ppt in-xtal por, no odor, ns. LS: crm/lt gry, micro-fn xtal, foss frags/fusin, som e vry silty/sndy, min wht/lt brn chert, min ppt in-xtal por, no odor, ns.	
		ф 			LS: crm/lt brn, micro-med xtal w/some crs, foss frags/ool, som e silty/sndy, wht/orange chert, some ppt-fn in-xtal por, no odor, ns.	
		φ			LS: crm/lt brn, micro-med xtal, foss frags/ool, some vry silty/sndy, wht/lt brn chert, min ppt in-xtal por, no odor, ns.	Mudco Check #5 @ 4009' 10/04/13 05:40am
C zone 4000 0 ROP (min/ft) (-1108) 10	4000	¢ & ¢			LS:crm/ltbrn/ltgry,micro-med xtal,fossfrags/fusln/ool,ppt-fnin-xtal por,no odor,ns.	wtvispH chl 9.1469.02200 FiltLCM 9.21
D zone 4012 (-1120)		ф Ф Ф А Ф	0		LS: crm/lt brn/lt gry, m icro-m ed xtal w som e crs, foss frags/ool, m in wht/lt brn/orange chert, ppt-fn in-xtal por, no odor, ns. LS: crm/lt brn, micro-med xtal, foss frags/abund ool, min wht/orange	CF S @ 4009' 30"/60"
		φ φ φ φ φ φ φ φ φ φ φ φ φ			chert, ppt-fn in-xtal por and med-crs oo-castic por, no odor, ns. LS: crm/lt brn, micro-med xtal, frags/fusin/ool, some vry silty/sndy,	
E zone		4 8 0 8 0 0 0 0	0		crm/lt brn chert, ppt in-xtal por and med-crs oo-castic por, no odor, ns. LS: crm/lt brn/lt gry, micro-med xtal, foss frags/fusln/ool/gas, ppt-fn in-xtal por, no odor, ns.	CF S @ 4030' 30"/60"
4039		е е с	0		LS: crm/lt brn, micro-med xtal, foss frags/fusln/min ool, wht/lt brn/orange chert, ppt-fn in-xtal por, no odor, ns.	CF S @ 4048' 30"/60"
F zone - 4054 (-1162)	4050	(9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0		LS: crm/lt brn/lt gry, m icro-fn xtal w/crs 2ndry xtal, foss frags/fusin/ool, wht/lt gry chert, som e chalky, frac por, no odor, ns.	
		-8 ф	O		LS: crm/lt brn, micro-fn xtal w/2ndry xtal, foss frags/fusin/ool, som e chalky, min frac por, 1 pcs in 60 min smpl w/sfo w/fn in-xtal por w/blk tar oil, sit flor/yel cut, sit crush odor, ssfo.	CF S @ 4068' 30"/60"
G zone 4077 (-1185)		¢ 			LS: wht/crm/lt brn, micro-fn xtal, foss frags/ool, chalky, som e frac por, no odor, ns. LS: crm/lt gry, micro-fn xtal w/2ndry, som e foss frags, som e chalky,	
					some frac por, no odor, ns. LS: crm/ltgry, micro-fnxtal w/2ndry, som e foss frags/gas, som e	
	4100	¢			chalky, som e frac por, no odor, ns. LS: crm/lt gry, m icro-fn xtal w/2ndry, som e foss frags/fusin, som e chalky, som e frac por, no odor, ns.	
Muncie Cr 4116 (-1224)					LS: crm/lt-med brn/lt gry, micro-med xtal, foss frags, som e brn chert, frac por, no odor, ns. SH: dk gry/blk, carb, silty, firm-hard, fissile.	
H zone					SH: dk gry/blk, carb, slity, tirm-hard, fissile. LS: It-med brn, micro-med xtal w/2ndry, foss frags, frac por, no odor, ns.	
H zone – 4131 – (-1239)	•				LS: crm/lt gry, m icro-fn w/min m ed-crs 2ndry, som e chalky, min crm chert, min foss frags, frac por, no odor, ns.	
	4150	9 P	0		LS: crm /lt gry, m icro-m ed xtal, foss frags/fusin, some chalky, sit pyritic, frac por, no odor, ns. SH: it-med gry/min it marcon, vry silty, carb, so ft-firm, fissile. LS crm/lt-med brn, micro-fn xtal, foss frags, sit pyritic, min ppt in-xtal/frac.por, no	CF S @ 4148' 30"/60"
1 zone 4159 (-1267)		Р 18 0			L S: crm/lt-med brn, micro-fn xtal, foss frags, sit py ritic, min ppt in-xtal/frac por, no odor, n s. SH: It-med gry/min It maroon, vry silty, ca rb, soft-firm, fis sile. LS: crm/lt brn, micro-fn xtal, foss frags/fusIn/dense ool, abund wht/lt	
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0		brn/orange chert some ool, frac por, no odor, ns. LS: crm/lt brn/lt gry, m icro-m ed xtal, foss frags/fusln/dense ool, wht/orange ool chert, m in frac por, no odor, ns.	CFS@4175' 30"/60"
J zone		φ Δ % φ Δ %			LS: crm/lt-med brn, micro-med xtal, foss frags/ool, some vry sndy, wht ool chert, min pyritic, min frac por, no odor, ns.	Mudco Check #6 @ 4173' 10/05/13 03:30am wtvispH chl
Stark	<b>.</b>	φ φ φ %	0		L S: crm/ltbrn/ltgry, micro-fnxtal, minfossfrags/fusin/w/some oolpcs,wht/ltbrn/lt gry chert,mincrsoo-castic por and pptin-xtal por,1 pcein 60 min smplw/blktar oil,no odor,sso.	9.3 59 9.0 2500 Filt LCM 8.0 2 CFS @ 4197'
0 ROP (min/ft) 4200 4200 (-1308) 10 (-1308)	4200	8			SH: dk gry/blk, carb, silty, firm-hard, fissile. LS: crm/lt gry/lt-dk brn, micro-med w/some crs xtal, foss frags/fusIn, min frac por, no odor, ns.	30"/60"
(-1316)		8 0 0 0 8 0 0	0		LS: crm/lt gry/lt-dk brn, micro-med xtal, foss frags/fusln/ool, some chalky, som e wht/lt brn chert, min ppt in-xtal/frac por, no odor, ns.	CF S @ 4221'
		ф ф ф			LS: crm/lt-med brn/lt gry, micro-med xtal w/some 2ndry xtal, foss frags/ool, wht/lt gry chert, min ppt in-xtal/frac por, no odor, ns.	30"/60"
Hushpuck 4238 (-1346)					LS: crm/lt brn, micro-med xtal, foss frags/ool, som e vry silty/sndy, som e pyritic, wht/lt gry chert, frac por, no odor, ns. SH: blk, stly silty, carb, firm , fissil e LS: crm/lt-med brn/lt gry, micro-med xtal w/2 ndry xtal, foss frags.	
L zone (Hertha)	4250	Р Р П П П П П	O		LS: crm/lt-med brn/lt gry, micro-med xtal w/2ndry xtal, foss frags, wht/lt gry/lt brn chert, some pyritic, frac por, no odor, ns. LS: crm/lt-med brn/gry, micro-med xtal, foss frags, some vry sndy, It gry chert some pyritic, min pot in xtal por, no odor, ns.	CF S @ 4255' 30"/60"
B/KC (Plesnt)	<b> </b>	φ φ φ φ			gry chert, som e pyritic, min ppt in-xtal por, no odor, ns. LS: It brn/gry, micro-med xtal, min foss frags w/abund dense ool, no vis por, no odor, ns.	
4268 (-1376)		φ <u>Δ</u> φ @ Ο			SH: gry/dk brn,silty,carb,firm,fissile. LS: crm/lt brn-brn/lt gry,micro-med xtal,fossfrags/crin/algae/some dense ool pcs,lt gry/lt brn chert min frac por,no odor,ns.	
<b></b>		¢			LS: crm/lt-dk brn/gry, micro-med w/som e crs 2ndry xtal, foss frags/fusln/ool, som e sndy, no vis por, no odor, ns.	
Marm aton 4295 (-1403) Lenapah	4300				LS:crm/ltbrn/gry,micro-fnxtal,fossfrags,vrysilty/sndy,novispor, noodor,ns. LS:crm/ltbrn/ltgry,micro-fnw/somemed-crs2ndryxtal,somevry sndy,fossfrags/fusln,fracpor,noodor,ns.	



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Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

November 04, 2013

Michael J. Reilly Grand Mesa Operating Company 1700 N WATERFRONT PKWY BLDG 600 WICHITA, KS 67206-5514

Re: ACO1 API 15-063-22141-00-00 WEBER 1-14 SW/4 Sec.14-13S-31W Gove County, Kansas

**Dear Production Department:** 

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Michael J. Reilly