



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1184052  
OIL & GAS CONSERVATION DIVISION

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

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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: \_\_\_\_\_

1184052

Operator Name: \_\_\_\_\_ 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(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	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	BFF 1-35
Doc ID	1184052

Tops

Name	Top	Datum
Stone Corral	2329	+650
Bs/Stone Corral	2348	+631
Heebner	3914	-935
Lansing	3956	-977
Muncie Creek	4133	-1154
Stark	4231	-1252
Marmaton	4349	-1370
Excello	4499	-1520
Mississippian	4702	-1723
LTD	4800	





# John Goldsmith Wellsite Service

Cell and Home Phone: 316-640-0236      427 Roosevelt St. Cheney, KS 67025

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: **BFF #1-35**  
 Location: **2479' FNL, 2772' FEL, SECTION 35-16S-33W, SE/SE/NW**  
 License Number: **API: 15-171-21013**      Region: **Scott County**  
 Spud Date: **01/07/2014**      Drilling Completed: **01/14/2014**  
 Surface Coordinates: **LAT 38.6202844**  
**LONG -100.9351717**  
 Bottom Hole Coordinates: **Vertical hole**  
 Ground Elevation (ft): **2970'**      K.B. Elevation (ft): **2979'**  
 Logged Interval (ft): **3700'**      To: **RTD**      Total Depth (ft): **4800'**  
 Formation: **Mississippian at RTD**  
 Type of Drilling Fluid: **Chemical**

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

## OPERATOR

Company: **Grand Mesa Operating Co.**  
 Address: **1700 N. Waterfront Parkway Bldg. #600**  
**Wichita, KS 67206-5514**  
**(316) 265-3000**

## GEOLOGIST

Name: **John Goldsmith**  
 Company: **John Goldsmith Wellsite Service**  
 Address: **427 Roosevelt St**  
**Cheney, KS 67025**  
**(316) 640-0236**

## COMMENTS

Contractor: **Duke Drilling Rig #4**  
 Pusher: **Rich Wheeler**  
 Surface Casing: **5 joints of 8 5/8" set at 220'**  
 Production Casing: **No production casing installed, well was plugged.**  
 Mud by: **MudCo**  
 DST's by: **Diamond Testing**  
 Logs by: **Weatherford Wireline Services (DIL, CN-CD, ML)**  
**RTD=4800'**  
**LTD=4800'**

## FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Heebner Shale	3914'	-935	3914'	-935
Toronto	3938'	-959	3938'	-959
Lansing	3958'	-979	3957'	-978
Muncie Creek Shale	4133'	-1154	4133'	-1154
Stark Shale	4231'	-1252	4231'	-1252
Hushpuckney Shale	4276'	-1297	4276'	-1297
Marmaton	4348'	-1369	4348'	-1369
Upper Fort Scott	4481'	-1481	4460'	-1481
Little Osage Shale	4481'	-1502	4481'	-1502
Excello Shale	4500'	-1521	4499'	-1520
Johnson Zone	4572'	-1593	4573'	-1594
Morrow	4639'	-1660	4639'	-1660
Mississippian	4702'	-1723	4703'	-1724
RTD	4800'	-1821		
LTD			4800'	-1821

## DSTs

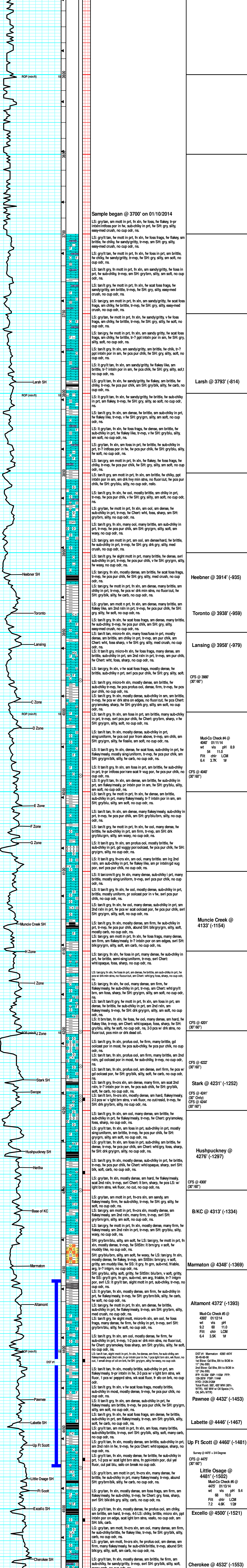
DST #1 Marmaton 4356'-4474' 30-45-60-90  
 1st Blow: Gd Blw, Blt to BOB in 11" (No BB)  
 2nd Blow: Gd Blw, Blt to BOB in 13" (No BB)  
 IFP: 15-25# ISIP: 1155# FFP: 129-287# FSIP: 1144#  
 HYD: 2129-2120#  
 Total Fluid: 585', 420' MW (95% WTR), 165' MW w/ Oil Specs (1% Oil, 94% WTR)

## ROCK TYPES

<ul style="list-style-type: none"> <li> Anhy</li> <li> Cht</li> <li> Coal</li> <li> Congl</li> <li> Dol</li> <li> Gyp</li> <li> Lmst</li> </ul>	<ul style="list-style-type: none"> <li> Salt</li> <li> Shale</li> <li> Shcol</li> <li> Shst</li> <li> Shly</li> <li> Gsb sh</li> </ul>	<ul style="list-style-type: none"> <li> Dol</li> <li> Dtd</li> <li> Gry sh</li> <li> Sandylms</li> <li> Shale</li> <li> Siltstn</li> <li> Shlystls</li> </ul>	<ul style="list-style-type: none"> <li> Styish</li> <li> Sdy dolo</li> <li> Silty dolo</li> <li> Shly dolo</li> <li> Shaly ls</li> </ul>
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## ACCESSORIES

<ul style="list-style-type: none"> <li> Plant</li> <li> Strom</li> <li> Fuss</li> <li> Oomold</li> </ul>	<ul style="list-style-type: none"> <li> Glaug</li> <li> Gyp</li> <li> Hvymol</li> <li> Kaol</li> <li> Mari</li> <li> Minxl</li> <li> Nodule</li> <li> Phos</li> <li> Pyr</li> <li> Salt</li> <li> Sandy</li> <li> Silt</li> <li> Sill</li> <li> Sulphur</li> <li> Tuff</li> <li> Chlorite</li> <li> Dol</li> <li> Sand</li> <li> Silty</li> </ul>	<ul style="list-style-type: none"> <li> STRINGER</li> <li> Anhy</li> <li> Arg</li> <li> Bent</li> <li> Coal</li> <li> Dol</li> <li> Gyp</li> <li> Ls</li> <li> Mrtst</li> <li> Sststrg</li> <li> Sstrg</li> <li> Carbsh</li> <li> Clystn</li> <li> Dol</li> <li> Gryslt</li> <li> Lms</li> <li> Sandylms</li> <li> Sh</li> <li> Siltstn</li> </ul>
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 Total Fluid: 585', 420' MW (95% WTR), 165' MW w/ Oil Specs (1% Oil, 94% WTR)





LS: grytan, sm mott in prt, fn xln, sm ool, dense, sm firm, fw sub-chily/brittle, tr-nvp, fw Chert: wht/opaque, foss sharp, fw SH: gry silty, soft, no cup odr, ns.

LS: grytan, fw mott in prt, fn xln, mostly dense, sm firm, fw sub-chily, sm flakey/mealy, tr-nvp, fw Chert: tan/wht, sharp, sm SH: gryblk, silty, sm carb, no cup odr, ns.

LS: tan/lt gry, fn xln, mostly dense, fw sub-chily in prt, fw brittle, tr-pr ppt-intxn por, fw pcs w patchy lght brn stns, wk scat dul yel fluor, cut pal blu, nsfo, no cup odr.

LS: tan/lt gry, slght mott in prt, fn xln, fw foss frags, mostly dense, sub-chily in prt, sm brittle, tr-nvp, fw Chert: tan/lt brn, foss, sharp, no cup odr, ns.

LS: grytan, slght mott in prt, fn-crs xln, fw loss in prt, many dense, sm firm, fw sub-chily, sm flakey/mealy, tr-nvp, fw Chert: lt brn, foss, sharp, fw SH: gry/blu, silty, soft, no cup odr, ns.

LS: tan/gry, sm mott in prt, fn-crs xln, scat foss frags, many dense, sm firm, fw sub-chily/brittle, mostly tr-nvp, 2-3 pcs w/ wk fluor, wk cut, heavy tar like sin, no cup odr, nsfo.

LS: tan/lt gry, fn xln, fw foss frags, sub-chily, sm brittle, fw firm/flakey, tr-? intxn por, 2-3 pcs w/ drk blk split stns like above, pos drk dead oil, no cup odr.

LS: tan/lt gry, fn xln, many dense, sub-chily in prt, sm brittle, fw scat 2nd rdn, tr-nvp, fw pcs w/ pos lght brn stns, wk-? fluor, no cut, nsfo, no cup odr, nsfo.

LS: tan/lt gry, fn xln, mostly dense, fw flakey/mealy, sm sub-chily in prt, tr-nvp, fw SH: gry/blu, silty, soft, no cup odr, ns.

SH: gry/brn/gm/blu, silty, easy-med crush, fw waxy, fw fissile, fw SH:Stn: dry, v soft, muddy like, no cup odr, ns.

SH: gry/gm/oliv, silty, soft, fw wethrd, sm SH:Stn: gry/slv, v soft, gritty, sm muddy like, no cup odr, ns.

SH: gry/gm, silty, sm soft, fw fissile, sm waxy, fw SH:Stn: brn/gry, v soft, gritty, sm muddy like, fw LS: lt brn/tan, fn xln, sandy, brittle, fw sub-chily, tr-nvp, no cup odr, ns.

SH: gry/gm/oliv, silty, sm soft, fw fissile, sm wethrd, fw waxy, fw SH:Stn: gry, v soft, gritty, v fw LS: tan/lt gry, fn xln, sub-chily in prt, sandy, tr-nvp, no cup odr, ns.

SS: grytan, v fn-fn gm, sub-md, sm arg, v friable, sm glauc in prt, tr-? intgm por in sm w/ lrg gm size, abund SH: gry/dk gry/gm, silty, fw waxy, soft, no cup odr, ns.

SS: gry/crm, fn gm, sub-rnd, quartz gm, sm arg, v friable, sm glauc, fw pyritic, no fluor prepost brk, no cut resid, abund SH: gry/gm drk gry, silty, soft, fw fissile, no cup odr, ns.

SS: tan/gry, fn gm, sub-rnd, arg, friable, many quite silty, fw glauc, fw pyritic, tr-nvp, sm SH: gry/gm/blk, silty, soft, fw waxy, sm wethrd, fw carb, abund LS: tan/lt tan, fn xln, sandy/gritty, fw flakey/mealy, sub-chily, tr-nvp, no cup odr, ns.

LS: tan/lt tan, fn xln, sub-chily, dense, brittle, sm flakey/mealy, tr-nvp, svrl pcs pur chik, fw SS: tan/lt brn, fn gm, sub-md, arg, friable, tr-nvp, no cup odr, ns.

LS: tan/lt tan, slght mott in prt, fn xln, mostly brittle, mostly sub-chily, sandy/gritty, fw flakey/mealy, mostly sing uniform, fw pc pur chik, no cup odr, ns.

LS: lt tan tan, slght mott in prt, fn xln, fw dense, mostly brittle, sm ool, many sandy/gritty, sub-chily/chiky in sm, tr-nvp, fw pcs pur chik, no cup odr, ns.

LS: lt tan/lt gry, fw slght mott, fn xln, mostly brittle, fw foss frags, sandy/gritty, sm flakey/mealy, sub-chily, fw pcs pur chik, tr-nvp, no cup odr, ns.

LS: tan/lt gry, fn xln, sm dense, sm brittle, fw sub-chily, sm sandy, tr-nvp, sm pur chik, lrg infx of SH: gry/grn, silty, soft, pos SH cavings, no cup odr, ns.

LS: lt tan/lt gry, fn xln, sm dense, many brittle, sub-chily, sm sandy/gritty, fw flakey, fw foss frags, tr-nvp, svrl SH: gry/grn, silty, soft, no cup odr, ns.

LS: crn/lt tan, fn xln, mostly brittle, fw firm, sub-chily, many sandy/gritty, fw flakey/mealy, tr-nvp, fw pcs pur chik, abund SH: gry/grn, silty, many soft, no cup odr, ns.

LS: tan/lt tan, micro-fn xln, mostly dense, sm hard, fw sub-chily/brittle, fw sandy, tr-nvp, abund SH: gry/brn, silty, many soft, no cup odr, ns.

LS: tan/gry, fw mott in prt, fn xln, many dense, fw firm, sm sandy, fw flakey/mealy, tr-nvp, fw Chert: lt brn/smokey, sharp, svrl SH: gry/brn, silty, sm soft, no cup odr, ns.

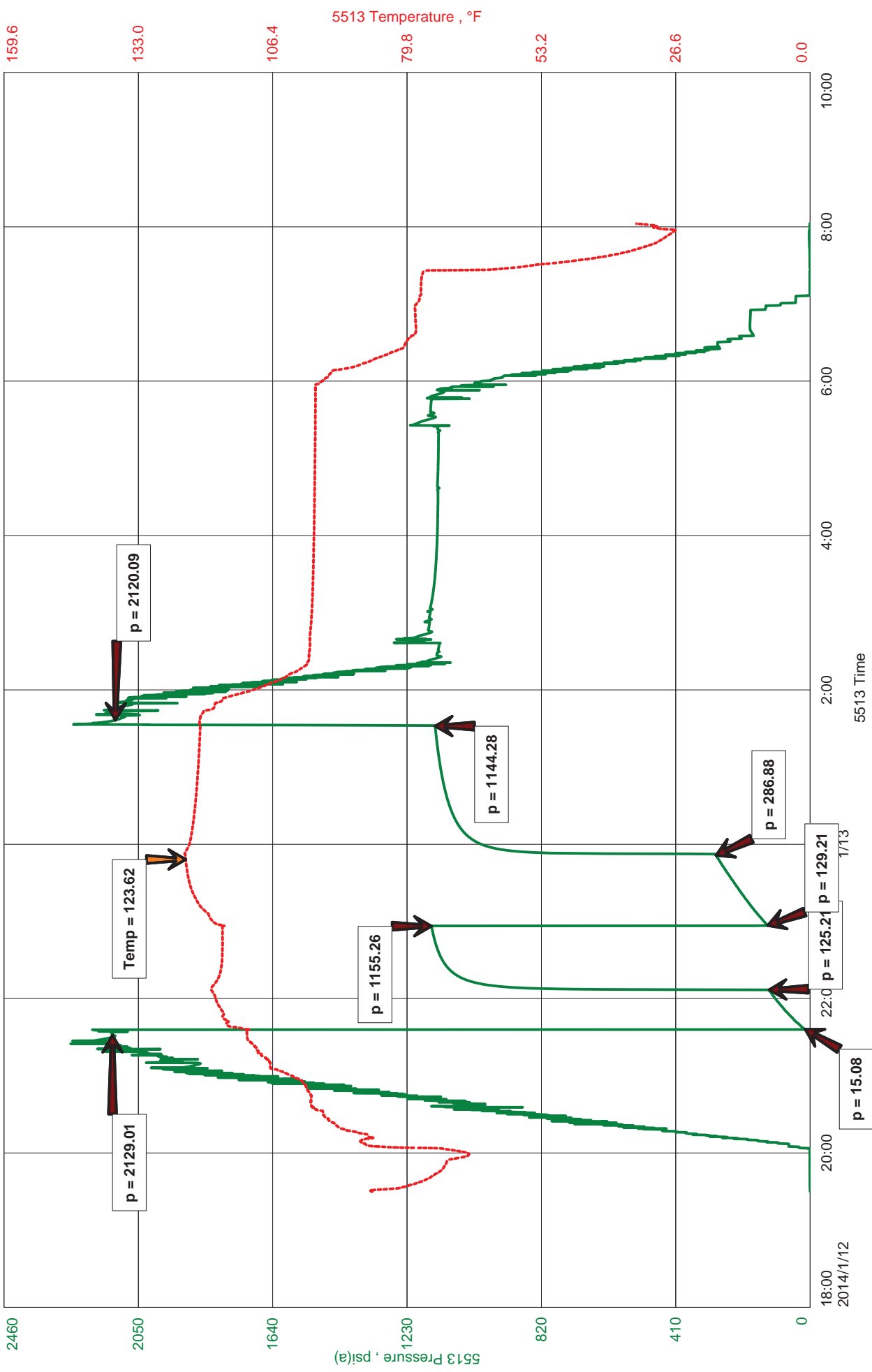
LS: tan/gry, fn xln, fw mott in prt, many dense, fw firm, sm sandy/brittle, fw flakey/mealy, tr-nvp, fw Chert: lt brn/smokey, sharp, svrl SH: gry/brn, silty, soft, no cup odr, ns.

<b>Johnson @ 4572' (-1593)</b>	
CFS @ 4588' (30°/60°)	
<b>Morrow @ 4639' (-1660)</b>	
Mud-Co Check #7 @ 4659' 01/14/14 wt vis pH 9.3 Fill chlr LCM 7.2 5K 1/2#	
CFS @ 4657' (30°/60°)	
<b>Miss @ 470' (-1723)</b>	
Shale Cavings-----Shale Cavings-----Shale Cavings	
CFS @ 4800' (30°/60°)	
Survey @ 4800' = 12 Degree	

Grand Mesa Operating Company  
 DST #1 Marmaton 4356-4474  
 Start Test Date: 2014/01/12  
 Final Test Date: 2014/01/13

BFF #1-35  
 Formation: Marmaton  
 Pool: Wildcat  
 Job Number: K076

# BFF #1-35





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	Grand Mesa Operating Company	<b>Job Number</b>	K076
<b>Contact</b>	James Reilly	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	BFF #1-35	<b>Well Operator</b>	Grand Mesa Operating Company
<b>Unique Well ID</b>	DST #1 Marmaton 4356-4474	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	35-16s-33w Scott	<b>Qualified By</b>	John Goldsmith
<b>Field</b>	Wildcat	<b>Test Unit</b>	#7
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Marmaton	<b>Well Operator</b>	Grand Mesa Operating Company
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2014/01/13
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2014/01/12	<b>Start Test Time</b>	19:30:00
<b>Final Test Date</b>	2014/01/13	<b>Final Test Time</b>	08:03:00

**Test Results**

**RECOVERED:**

165	Muddy Water With Oil Specks, 1% Oil, 94% Water, 5% Mud
420	Muddy Water, 95% Water, 5% Mud

**CHLORIDES: 65000**

**PH: 7**

**RW: .150 @ 50**





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: bff1dst1

TIME ON: 7:30 PM  
TIME OFF: 8:03 AM

Company Grand Mesa Operating Company Lease & Well No. BFF #1-35  
Contractor Duke #4 Charge to Grand Mesa Operating Company  
Elevation 2979 KB Formation Marmaton Effective Pay \_\_\_\_\_ Ft. Ticket No. K076  
Date 1-12-14 Sec. 35 Twp. 16 S Range 33 W County Scott State KANSAS  
Test Approved By John Goldsmith Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 4356 ft. to 4474 ft. Total Depth 4474 ft.  
Packer Depth 4351 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4356 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4337 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4338 ft. Recorder Number 5588 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 60 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3500 P.P.M. Drill Pipe Length 4323 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 118 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 93' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Good Blow, BOB in 11 Min., No Blowback  
2nd Open: Good Blow, BOB in 13 Min., No Blowback

Recovered 165 ft. of Muddy Water w/Oil Specks, 1% Oil, 95% Water, 5% Mud  
Recovered 420 ft. of Muddy Water, 95% Water, 5% Mud  
Recovered 585 ft. of Total Fluid

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>CHLORIDES 65,000</u> <u>PH: 7</u> <u>RW: .150 @ 50</u>	Total

Time Set Packer(s) 9:37 PM A.M. P.M. Time Started Off Bottom 1:22 AM A.M. P.M. Maximum Temperature 124

Initial Hydrostatic Pressure..... (A) 2129 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 125 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1155 P.S.I.  
Final Flow Period..... Minutes 60 (E) 129 P.S.I. to (F) 287 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1144 P.S.I.  
Final Hydrostatic Pressure..... (H) 2120 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.



# ALLIED OIL & GAS SERVICES, LLC 062533

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley

DATE <u>1-15-14</u>	SEC. <u>35</u>	TWP. <u>16</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>1130 pm</u>	JOB START <u>5:00 pm</u>	JOB FINISH <u>6:00 pm</u>
LEASE <u>BFF</u>	WELL# <u>1-36</u>	LOCATION <u>Pecca (E Indian)</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OK <input checked="" type="checkbox"/> NEW <input type="checkbox"/> (Circle one)		<u>25, 2 E units</u>					

CONTRACTOR Duke 4  
 TYPE OF JOB PTA  
 HOLE SIZE 7 1/8 T.D. 4800  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 25201  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 26.59661

OWNER same  
 CEMENT AMOUNT ORDERED 280SK 60740 4.9ozel  
44# flo seal

EQUIPMENT  
 PUMP TRUCK # 431 CEMENTER LaRane & Linder  
 HELPER Andrew Forslund  
 BULK TRUCK # 2187287 DRIVER Eddy Coronado (TCS)  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON 168 SK @ \_\_\_\_\_  
 POZMIX 112 SK @ \_\_\_\_\_  
 GEL 10 SK @ \_\_\_\_\_  
 CHLORIDE @ \_\_\_\_\_  
 ASC @ \_\_\_\_\_  
 flo seal 70# @ \_\_\_\_\_  
 HANDLING 300.7247 @ \_\_\_\_\_  
 MILEAGE 12.56 mi X 40X 260

REMARKS:  
MIX 50 SK 23701  
MIX 80 SK 13601  
MIX 50 SK 7501  
MIX 50 SK 2701  
MIX 80 SK 601  
Plug RR 30 SK

Thank you

TOTAL \_\_\_\_\_  
 SERVICE  
 DEPTH OF JOB 29201  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE MIX 40 @ \_\_\_\_\_  
 MANIFOLD MELV 40 @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: Grand Mesa  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rich Wheeler  
 SIGNATURE Rich Wheeler

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_  
 SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS