



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1147077  
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: \_\_\_\_\_



1147077

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	E & E 2-34
Doc ID	1147077

Tops

Name	Top	Datum
Bs/Stone Corral	2430	+487
Heebner	3901	-984
Lansing	3941	-1024
Muncie Creek	4104	-1187
Stark	4184	-1267
Marmaton	4284	-1367
Little Osage	4415	-1498
Excello	4435	-1518
Mississippian	4574	-1657
LTD	4640	

# ALLIED OIL & GAS SERVICES, LLC 060259

Federal Tax I.D. # 20-8661475

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

SERVICE POINT:  
Oakley, KS

DATE <u>5-16-13</u>	SEC. <u>34</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>3:30am</u>	JOB START <u>4:00am</u>	JOB FINISH <u>4:30am</u>
LEASE <u>E&amp;E</u>	WELL # <u>2-34</u>	LOCATION <u>Oakley 175, Hwy, Nindo</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR H2/2

TYPE OF JOB Surface

HOLE SIZE 12 1/2 T.D. 228'

CASING SIZE 8 7/8 DEPTH 222.24'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 131

PERFS.

DISPLACEMENT 13.58 bbl

OWNER Some

CEMENT AMOUNT ORDERED 165 sks cement 3% gel

COMMON 165 sks @ 17.90 2953.50

POZMIX @

GEL 35 sk @ 23.40 70.20

CHLORIDE 65 sk @ 64.00 384.00

ASC @

@

@

@

@

@

@

@

@

HANDLING 178.42 sk @ 2.48 442.48

MILEAGE 8.14 ton x 18 x 2.60 380.95

TOTAL 4231.13

EQUIPMENT

PUMP TRUCK CEMENTER Lakona G. White

# 423/281 HELPER Paul Beaver

BULK TRUCK

# 347 DRIVER Brauden Wilkinson

BULK TRUCK

# DRIVER

REMARKS:

Mix 165 sks cement

Displace with water

Cement did circulate

Thank you.

CHARGE TO: General Meso

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 222.24'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE MPH 18 @ 7.70 138.60

MANIFOLD Head @ 295.00

MFLV 18 @ 4.40 79.20

@

TOTAL 2005.05

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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 Gary AxteV

SIGNATURE Mary Gell

SALES TAX (if Any)

TOTAL CHARGES 6,236.18

DISCOUNT 1,309.59 IF PAID IN 30 DAYS

4,926.58 Net

# ALLIED OIL & GAS SERVICES, LLC 060304

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:  
Oakley

DATE <u>5/25/13</u>	SEC. <u>34</u>	TWP. <u>13</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 PM</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>E+E</u>	WELL # <u>2-34</u>		LOCATION <u>Oakley 175 3/4w Ninto</u>		COUNTY <u>Logan</u>	STATE <u>Ko.</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR H2 #2 OWNER Same

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4640' CEMENT AMOUNT ORDERED 220 SKs 6 7/8 4% Gel

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_ 1/4" Floseal

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 2420' COMMON

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 60/40

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 30.85

**EQUIPMENT**

PUMP TRUCK CEMENTER Daren Racette  
# 120 HELPER Tyler Flipse  
BULK TRUCK  
# 600 DRIVER David Scariano  
BULK TRUCK  
# \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON 132 SKs @ \$17.20 = \$2262.80  
POZMIX 88 SKs @ \$9.35 = \$822.80  
GBL 8 SKs @ \$23.40 = \$187.50  
CHLORIDE @ \_\_\_\_\_  
ASC @ \_\_\_\_\_  
Floseal 55" @ \$2.92 = \$163.35

HANDLING 236.79 CF X @ \$2.45 = \$586.00  
MILEAGE 9.87 X 18 X @ \$2.62 = \$461.72  
TOTAL \$4582.02

**REMARKS:**

mix 25 SKs Cement 240'  
mix 100 SKs Cement 1350'  
mix 40 SKs Cement 280'  
mix 10 SKs Cement 40'

Plug Rathole 30 SKs Cement  
Plug mousehole 15 SKs Cement

Thank You.

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

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
PUMP TRUCK CHARGE \$2483.59  
EXTRA FOOTAGE @ \_\_\_\_\_  
MILEAGE 18 @ \$7.72 = \$138.60  
MANIFOLD @ \_\_\_\_\_  
LV mileage @ \$4.40 = \$79.20  
TOTAL \$2701.39

**PLUG & FLOAT EQUIPMENT**

1 Wooden Plug @ \$107.64  
@ \_\_\_\_\_  
@ \_\_\_\_\_  
@ \_\_\_\_\_  
@ \_\_\_\_\_  
TOTAL \$107.64

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.

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 7,391.10  
DISCOUNT 1,552.13 IF PAID IN 30 DAYS  
5,838.96 Net.

PRINTED NAME STEVEN CRAIG  
SIGNATURE Steven Craig

# Diamond Testing

## General information Report

### General Information

**Company Name** GRAND MESA OPERATING COMPANY

**Contact** MICHAEL J. REILLY  
**Well Name** E&E #2-34  
**Unique Well ID** DST #1, LKC "L", 4220-4272  
**Surface Location** SEC 34-13S-32W, LOGAN CO. KS.  
**Well License Number**  
**Field** WILDCAT  
**Well Type** Vertical

**Job Number** T210  
**Representative** TIM VENTERS  
**Well Operator** GRAND MESA OPERATING COMPANY  
**Report Date** 2013/05/22  
**Prepared By** TIM VENTERS

**Test Type** CONVENTIONAL  
**Formation** DST #1, LKC "L", 4220-4272  
**Well Fluid Type** 01 Oil  
**Start Test Date** 2013/05/21  
**Final Test Date** 2013/05/22

**Start Test Time** 23:44:00  
**Final Test Time** 08:29:00

**Gauge Name** 8457  
**Gauge Serial Number**

### Test Results

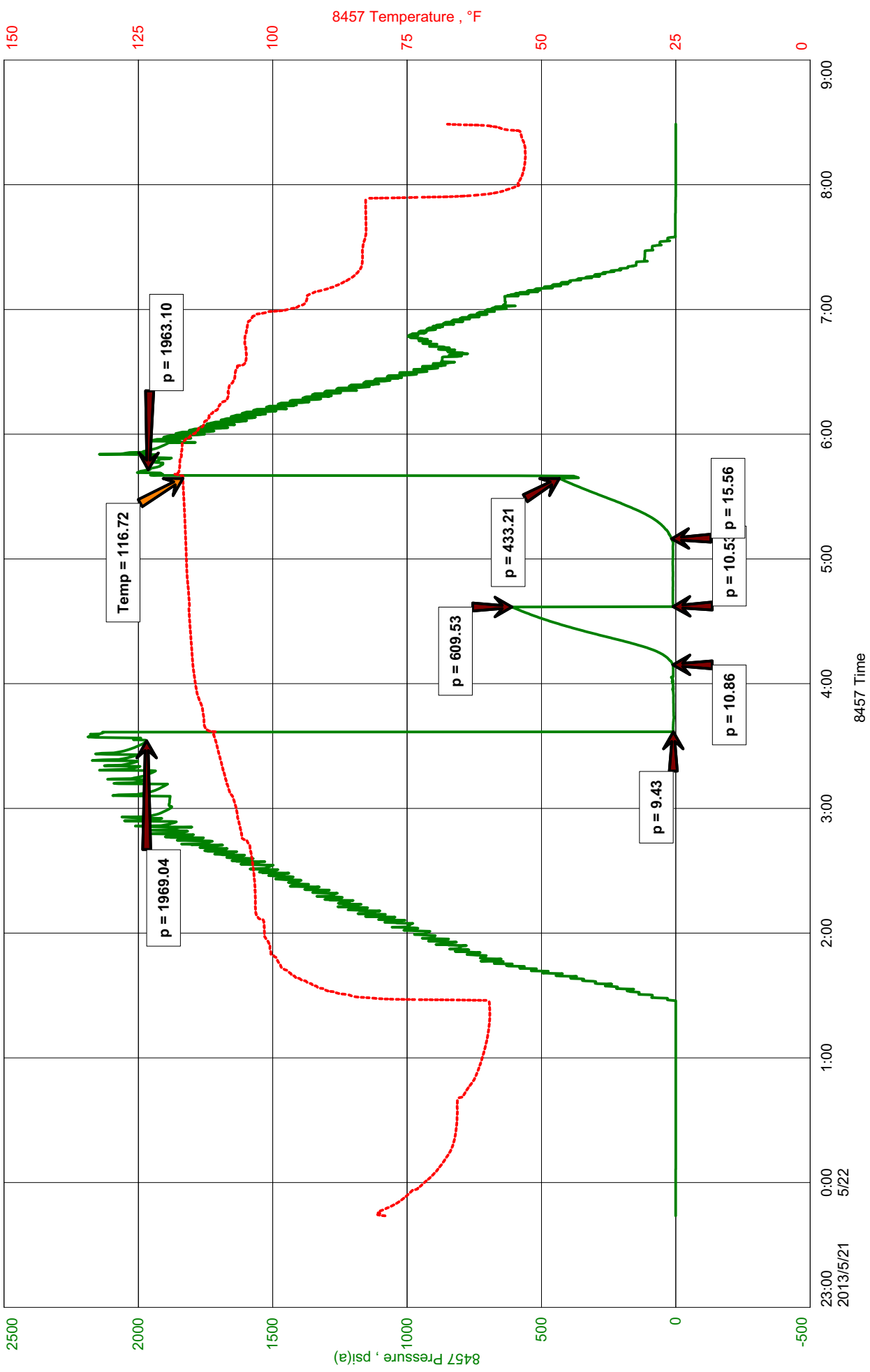
RECOVERED; 5' MW/TR. O, TRACE OIL, 100% MUD

TOOL SAMPLE: 1% OIL, 99% MUD

GRAND MESA OPERATING COMPANY  
DST #1, LKC "L", 4220-4272  
Start Test Date: 2013/05/21  
Final Test Date: 2013/05/22

E&E #2-34  
Formation: DST #1, LKC "L", 4220-4272  
Pool: WILDCAT  
Job Number: T210

# E&E #2-34





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: E&E2-34DST1

TIME ON: 23:44 5-21-13  
TIME OFF: 08:29 5-22-13

Company GRAND MESA OPERATING COMPANY Lease & Well No. E&E #2-34  
Contractor H2 DRILLING, LLC RIG #2 Charge to GRAND MESA OPERATING COMPANY  
Elevation 2917 KB Formation LKC "L" Effective Pay -- Ft. Ticket No. T210  
Date 5-22-13 Sec. 34 Twp. 13 S Range 32 W County LOGAN State KANSAS  
Test Approved By BOB SCHREIBER Diamond Representative TIM VENTERS

Formation Test No. 1 Interval Tested from 4220 ft. to 4272 ft. Total Depth 4272 ft.

Packer Depth 4215 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4220 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4206 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4269 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 238 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 5,000 P.P.M. Drill Pipe Length 3949 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 21 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>31' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/2 INCH. (NO B.B.)

2nd Open: VERY WEAK SURFACE BLOW THROUGHOUT PERIOD. (NO B.B.)

Recovered 5 ft. of MW/TR. O, TRACE OIL, 100% MUD

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Tool Sample: 1% OIL, 99% MUD

Time Set Packer(s) 3:36 AM <sup>A.M.</sup> P.M. Time Started Off Bottom 5:38 AM <sup>A.M.</sup> P.M. Maximum Temperature 117 deg.

Initial Hydrostatic Pressure..... (A) 1969 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 610 P.S.I.

Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 16 P.S.I.

Final Closed In Period..... Minutes 32 (G) 433 P.S.I.

Final Hydrostatic Pressure..... (H) 1963 P.S.I.

Price Job
Other Charges
Insurance
Total

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.



# Diamond Testing

## General information Report

### General Information

**Company Name** GRAND MESA OPERATING COMPANY

**Contact** RICHARD J. REILLY

**Well Name** E&E #2-34

**Unique Well ID** DST #2, FT. SCOTT, 4380-4436

**Surface Location** SEC 34-13S-32W, LOGAN CO. KS.

**Well License Number**

**Field**

**Well Type**

RICHARD J. REILLY

E&E #2-34

DST #2, FT. SCOTT, 4380-4436

SEC 34-13S-32W, LOGAN CO. KS.

WILDCAT

Vertical

**Job Number**

**Representative**

**Well Operator**

**Report Date**

**Prepared By**

T211

TIM VENTERS

GRAND MESA OPERATING COMPANY

2013/05/23

TIM VENTERS

**Test Type** CONVENTIONAL

**Formation** DST #2, FT. SCOTT, 4380-4436

**Well Fluid Type** 01 Oil

**Start Test Date** 2013/05/23

**Final Test Date** 2013/05/23

**Gauge Name** 8457

**Gauge Serial Number**

**Start Test Time**

**Final Test Time**

10:01:00

17:15:00

### Test Results

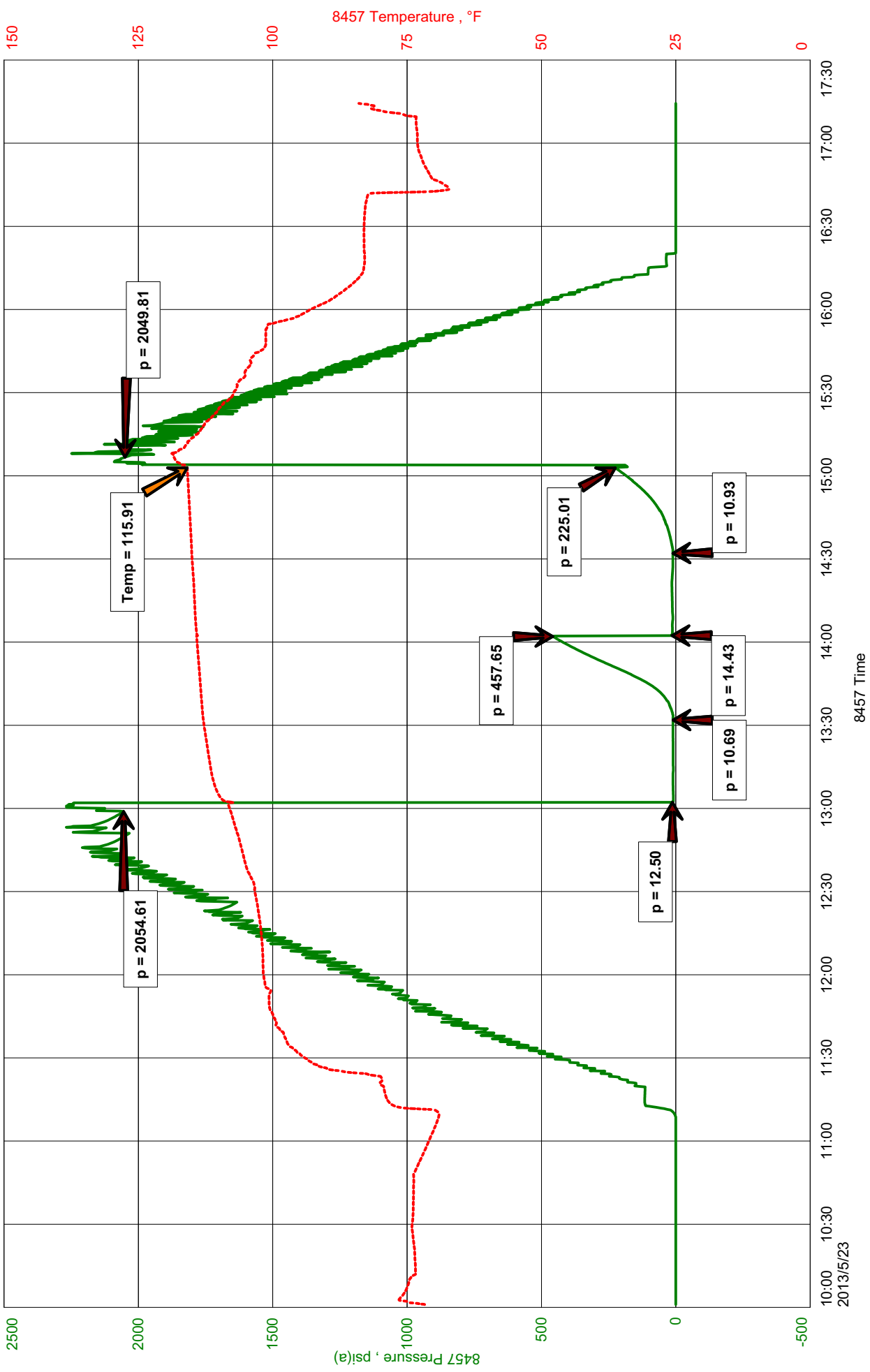
RECOVERED: 5' MW/SP. O, SPOTTY OIL 100% MUD

TOOL SAMPLE: SPOTTY OIL, 100% MUD

GRAND MESA OPERATING COMPANY  
DST #2, FT. SCOTT, 4380-4436  
Start Test Date: 2013/05/23  
Final Test Date: 2013/05/23

E&E #2-34  
Formation: DST #2, FT. SCOTT, 4380-4436  
Pool: WILDCAT  
Job Number: T211

# E&E #2-34





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: E&E2-34DST2

TIME ON: 10:01  
TIME OFF: 17:15

Company GRAND MESA OPERATING COMPANY Lease & Well No. E&E #2-34  
Contractor H2 DRILLING, LLC RIG #2 Charge to GRAND MESA OPERATING COMPANY  
Elevation 2917 KB Formation FT. SCOTT Effective Pay -- Ft. Ticket No. T211  
Date 5-23-13 Sec. 34 Twp. 13 S Range 32 W County LOGAN State KANSAS  
Test Approved By STEVE CARL Diamond Representative TIM VENTERS

Formation Test No. 2 Interval Tested from 4380 ft. to 4436 ft. Total Depth 4436 ft.  
Packer Depth 4375 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.  
Packer Depth 4380 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4361 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4433 ft. Recorder Number 11030 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 238 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.  
Chlorides 4,500 P.P.M. Drill Pipe Length 4109 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 24 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. <sup>32' DP IN ANCHOR</sup> Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/4 INCH. (NO B.B.)  
2nd Open: VERY WEAK SURFACE BLOW LASTING 10-15 MIN. (NO B.B.)

Recovered 5 ft. of MW/SP. O, SPOTTY OIL, 100% MUD  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Remarks:         

	Price Job
	Other Charges
	Insurance
Tool Sample: <u>SPOTTY OIL, 100% MUD</u>	Total

Time Set Packer(s) 1:01 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 3:01 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 116 deg.

Initial Hydrostatic Pressure..... (A) 2055 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 458 P.S.I.  
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 11 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 225 P.S.I.  
Final Hydrostatic Pressure..... (H) 2050 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.

# Diamond Testing

## General information Report

### General Information

**Company Name** GRAND MESA OPERATING COMPANY

**Contact** RICHARD J. REILLY  
**Well Name** E&E #2-34  
**Unique Well ID** DST #3, JOHNSON, 4485-4525  
**Surface Location** SEC 34-13S-32W, LOGAN CO. KS.  
**Well License Number**  
**Field** WILDCAT  
**Well Type** Vertical

**Job Number** T212  
**Representative** TIM VENTERS  
**Well Operator** GRAND MESA OPERATING COMPANY  
**Report Date** 2013/05/24  
**Prepared By** TIM VENTERS

**Test Type** CONVENTIONAL  
**Formation** DST #3, JOHNSON, 4485-4525  
**Well Fluid Type** 01 Oil  
**Start Test Date** 2013/05/24  
**Final Test Date** 2013/05/24

**Start Test Time** 06:58:00  
**Final Test Time** 15:25:00

**Gauge Name** 8457  
**Gauge Serial Number**

### Test Results

**RECOVERED: 1' CO 100% OIL, GRAVITY: 25**  
**60' O&WCM, 22% OIL, 18% WATER, 60% MUD**  
**61' TOTAL FLUID**

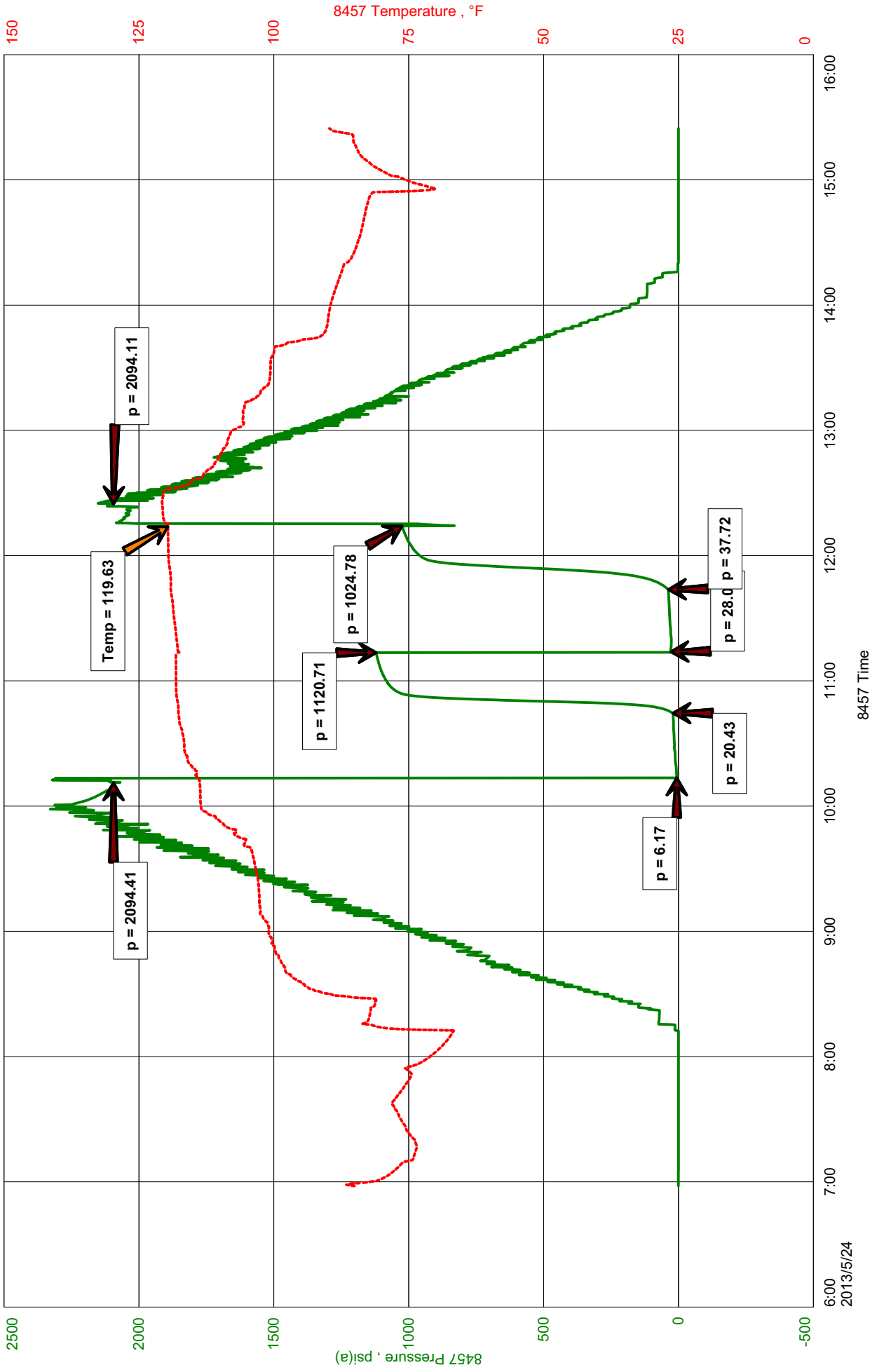
**TOOL SAMPLE: 44% OIL, 12% WATER, 44% MUD**

**CHLORIDES: 30,000 ppm**  
**PH: 7.0**  
**RW: .28 @ 82 deg.**

GRAND MESA OPERATING COMPANY  
DST #3, JOHNSON, 4485-4525  
Start Test Date: 2013/05/24  
Final Test Date: 2013/05/24

E&E #2-34  
Formation: DST #3, JOHNSON, 4485-4525  
Pool: WILDCAT  
Job Number: T212

# E&E #2-34





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: E&E2-34DST3

TIME ON: 06:58  
TIME OFF: 15:25

Company GRAND MESA OPERATING COMPANY Lease & Well No. E&E #2-34  
Contractor H2 DRILLING, LLC RIG #2 Charge to GRAND MESA OPERATING COMPANY  
Elevation 2917 KB Formation JOHNSON Effective Pay -- Ft. Ticket No. T212  
Date 5-24-13 Sec. 34 Twp. 13 S Range 32 W County LOGAN State KANSAS  
Test Approved By STEVE CARL Diamond Representative TIM VENTERS

Formation Test No. 3 Interval Tested from 4485 ft. to 4525 ft. Total Depth 4525 ft.  
Packer Depth 4480 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.  
Packer Depth 4485 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4466 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4522 ft. Recorder Number 11030 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 238 ft. I.D. 2 1/4 in.  
Weight 9.5 Water Loss 9.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.  
Chlorides 5,000 P.P.M. Drill Pipe Length 4214 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 40 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 2 INCHES. (NO B.B.)  
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 3/4 INCH. (NO B.B.)

Recovered 1 ft. of CO 100% OIL, GRAVITY: 25  
Recovered 60 ft. of O&WCM, 22% OIL, 18% WATER, 60% MUD  
Recovered 61 ft. of TOTAL FLUID

Recovered <u>        </u> ft. of <u>        </u>	CHLORIDES: 30,000 ppm	Price Job
Recovered <u>        </u> ft. of <u>        </u>	PH: 7.0	Other Charges
Remarks: <u>        </u>	RW: .28 @ 82 deg.	Insurance
Tool Sample: 44% OIL, 12% WATER, 44% MUD		Total

Time Set Packer(s) 10:13 AM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 12:13 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 120 deg.

Initial Hydrostatic Pressure..... (A) 2094 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 20 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1121 P.S.I.  
Final Flow Period..... Minutes 30 (E) 28 P.S.I. to (F) 38 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 1025 P.S.I.  
Final Hydrostatic Pressure..... (H) 2094 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.

# GRAND MESA

# OPERATING COMPANY

(316) 265-3000  
FAX: (316) 265-3455

1700 N. WATERFRONT PARKWAY  
BLDG. 600  
WICHITA, KANSAS 67206-5514

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

Well Name: E & E #2-34  
Location: 2078'FSL, 1667' FWL, 34-13S-32W, Logan County, Kansas  
License Number: API: 15-109-21177 Region: Wildcat  
Spud Date: 5-15-2013 Drilling Completed: 5-25-2013  
Surface Coordinates: Lat: 38.8786452  
Long: -100.865586  
Bottom Hole Vertical hole  
Coordinates:  
Ground Elevation (ft): 2906 K.B. Elevation (ft): 2917  
Logged Interval (ft): surf To: RTD Total Depth (ft): 4640  
Formation: Mississippian at RTD  
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### GEOLOGIST

Name: Bob Schreiber 3600-4340, Steve Carl 4340-TD  
Company:  
Address:

### COMMENTS

Contractor: H-2 Rig #  
Pusher: Randy Smith  
Surface Casing: 8 5/8" set at 227' w/165sx  
Production Casing: none  
Mud by: MudCo  
DST's by: Diamond Testing  
Logs by: Weatherford (DIL, CN-CD, ML,SONIC)  
RTD=4640'  
LTD=4640'

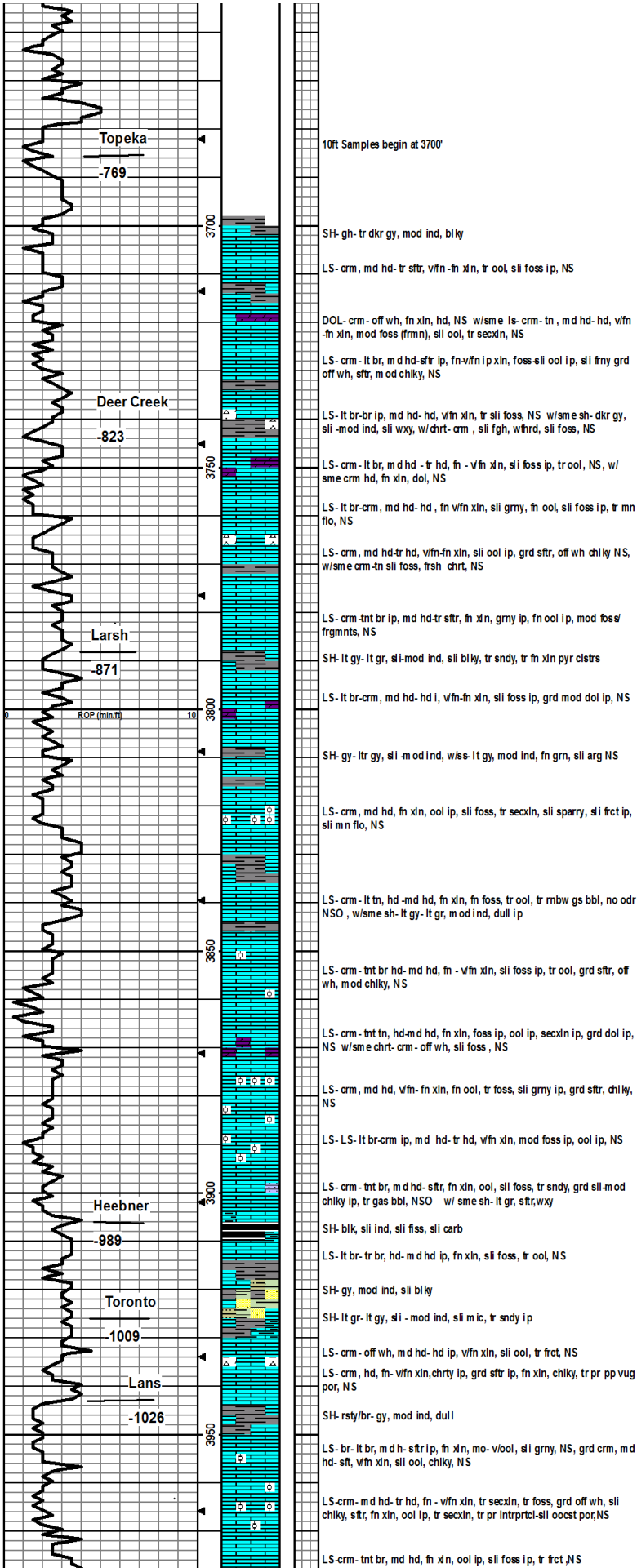
### FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Stone Corral	2412'	+505	2410	+507
B/Stone Corral	2433'	+484	2430'	+487
Heebner Shale	3906'	-989	3902'	-985
Lansing	3941'	-1024	3941'	-1024
Muncie Creek Shale	4104'	-1187	4104'	-1187
Stark Shale	4186'	-1269	4186'	-1269
BKC	4252'	-1335	4251'	-1334
Marmaton	4285'	-1368	4283'	-1366
Little Osage Shale	4415'	-1498	4414'	-1497
Johnson Zone	4511'	-1594	4508'	-1591
Mississippian	4575'	-1658	4575'	-1658
RTD	4640'	-1723		
LTD	4640'	-1723		

Curve Track 1 ROP (m in/ft)					
	Depth	Lithology	S Point	I Shows	Geological Descriptions
					Remarks







10ft Samples begin at 3700'

SH-gh-tr dkr gy, mod ind, blk y

LS- crm, md hd- tr sfr, vfn- fn xln, tr ool, sli foss ip, NS

DOL- crm- off wh, fn xln, hd, NS w/sme ls- crm- tn, md hd- hd, vfn- fn xln, mod foss (frm), sli ool, tr secxn, NS

LS- crm- lt br, md hd- sfr ip, fn- vfn ip xln, foss- sli ool ip, sli frny grd off wh, sfr, m od chiky, NS

LS- lt br- br ip, md hd- hd, vfn xln, tr sli foss, NS w/sme sh- dkr gy, sli- mod ind, sli wxy, w/ chrt- crm, sli fgh, wthr, sli foss, NS

LS- crm- lt br, md hd- tr hd, fn- vfn xln, sli foss ip, tr ool, NS, w/ sme crm hd, fn xln, dol, NS

LS- lt br- crm, md hd- hd, fn vfn xln, sli grny, fn ool, sli foss ip, tr mn flo, NS

LS- crm, md hd- tr hd, vfn- fn xln, sli ool ip, grd sfr, off wh chiky NS, w/sme crm- tn sli foss, frsh chrt, NS

LS- crm- 4nt br ip, md hd- tr sfr, fn xln, grny ip, fn ool ip, mod foss/ frgmnts, NS

SH- lt gy- lt gr, sli- mod ind, sli blk y, tr sndy, tr fn xln pyr cistrs

LS- lt br- crm, md hd- hd i, vfn- fn xln, sli foss ip, grd mod dol ip, NS

SH- gy- ltr gy, sli- mod ind, w/s- lt gy, mod ind, fn grn, sli arg NS

LS- crm, md hd, fn xln, ool ip, sli foss, tr secxn, sli sparry, sli frct ip, sli mn flo, NS

LS- crm- lt tn, hd- md hd, fn xln, fn foss, tr ool, tr rnbw gs bbl, no odr NSO, w/sme sh- lt gy- lt gr, m od ind, dull ip

LS- crm- tnt br hd- md hd, fn- vfn xln, sli foss ip, tr ool, grd sfr, off wh, mod chiky, NS

LS- crm- tnt tn, hd- md hd, fn xln, foss ip, ool ip, secxn ip, grd dol ip, NS w/sme chrt- crm- off wh, sli foss, NS

LS- crm, md hd, vfn- fn xln, fn ool, tr foss, sli grny ip, grd sfr, chiky, NS

LS- LS- lt br- crm ip, md hd- tr hd, vfn xln, mod foss ip, ool ip, NS

LS- crm- tnt br, md hd- sfr, fn xln, ool, sli foss, tr sndy, grd sli- mod chiky ip, tr gas bbl, NSO w/ sme sh- lt gr, sfr, wxy

SH- blk, sli ind, sli fess, sli carb

LS- lt br- tr br, hd- md hd ip, fn xln, sli foss, tr ool, NS

SH- gy, mod ind, sli blk y

SH- lt gr- lt gy, sli- mod ind, sli mic, tr sndy ip

LS- crm- off wh, md hd- hd ip, vfn xln, sli ool, tr frct, NS

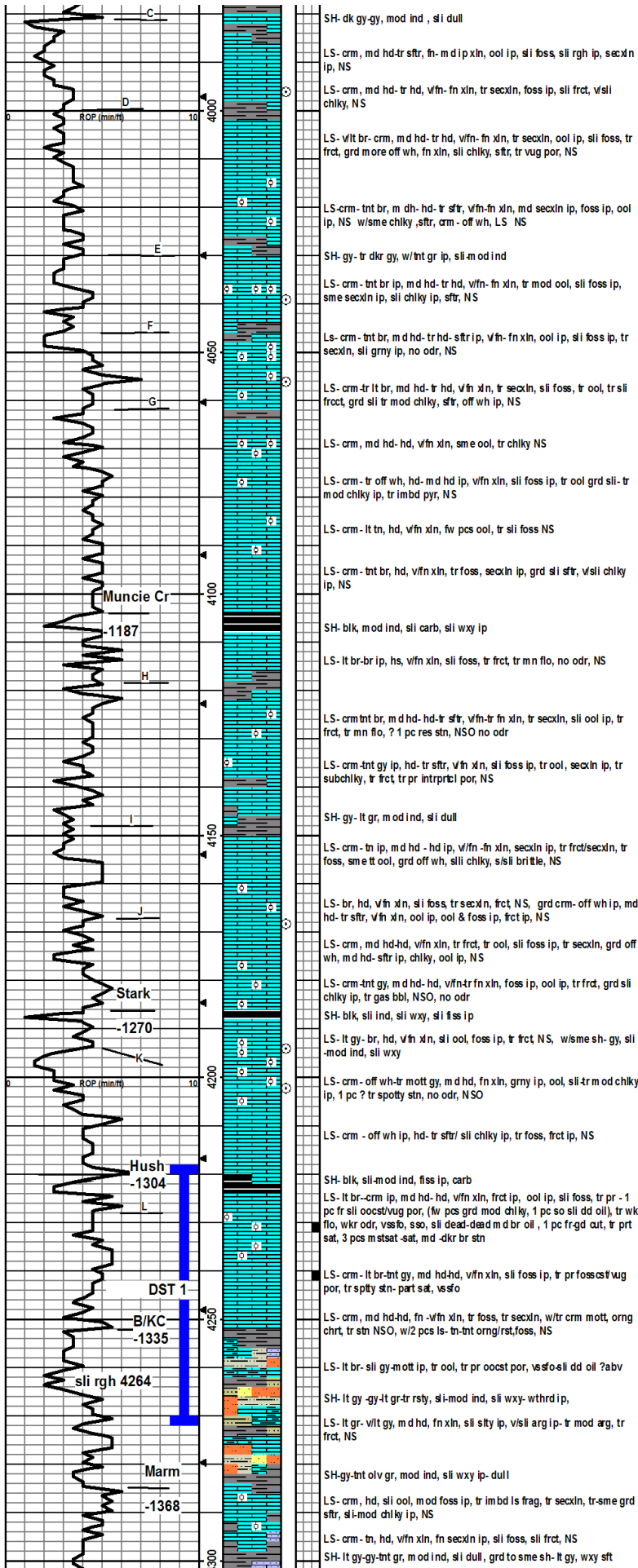
LS- crm, hd, fn- vfn xln, chrt y ip, grd sfr ip, fn xln, chiky, tr pr pp vug por, NS

SH- rsty/br- gy, mod ind, dull

LS- br- lt br, md hd- sfr ip, fn xln, mo- vool, sli grny, NS, grd crm, md hd- sfr, vfn xln, sli ool, chiky, NS

LS- crm- md hd- tr hd, fn- vfn xln, tr secxn, tr foss, grd off wh, sli chiky, sfr, fn xln, ool ip, tr secxn, tr pr intrprtcl- sli oocst por, NS

LS- crm- tnt br, md hd, fn xln, ool ip, sli foss ip, tr frct, NS



SH- dk gy-gy, mod ind, sli dull

LS- crm, md hd-tr sfr, fn- m d ip xln, ool ip, sli foss, sli rgh ip, secxn ip, NS

LS- crm, md hd- tr hd, vfn- fn xln, tr secxn, foss ip, sli frct, v/sli chiky, NS

LS- vlt br- crm, m d hd- tr hd, vfn- fn xln, tr secxn, ool ip, sli foss, tr frct, grd more off wh, fn xln, sli chiky, sfr, tr vug por, NS

LS- crm- tnt br, m dh- hd- tr sfr, vfn- fn xln, md secxn ip, foss ip, ool ip, NS w/sme chiky, sfr, crm- off wh, LS NS

SH- gy- tr dkr gy, w/tnt gr ip, sli- mod ind

LS- crm- tnt br ip, m d hd- tr hd, vfn- fn xln, tr mod ool, sli foss ip, sme secxn ip, sli chiky ip, sfr, NS

LS- crm- tnt br, m d hd- tr hd- sfr ip, vfn- fn xln, ool ip, sli foss ip, tr secxn, sli grmy ip, no odr, NS

LS- crm- tr lt br, md hd- tr hd, vfn xln, tr secxn, sli foss, tr ool, tr sli frct, grd sli tr mod chiky, sfr, off wh ip, NS

LS- crm, md hd- hd, vfn xln, sme ool, tr chiky NS

LS- crm- tr off wh, hd- md hd ip, vfn xln, sli foss ip, tr ool, grd sli- tr mod chiky ip, tr imbd pyr, NS

LS- crm- lt tn, hd, vfn xln, fw pcs ool, tr sli foss NS

LS- crm- tnt br, hd, vfn xln, tr foss, secxn ip, grd sli sfr, v/sli chiky ip, NS

SH- blk, mod ind, sli carb, sli wxy ip

LS- lt br- br ip, hs, vfn xln, sli foss, tr frct, tr mn flo, no odr, NS

LS- crm tnt br, m d hd- hd- tr sfr, vfn- tr fn xln, tr secxn, sli ool ip, tr frct, tr mn flo, ? 1 pc res stn, NSO no odr

LS- crm- tnt gy ip, hd- tr sfr, vfn xln, sli foss ip, tr ool, secxn ip, tr subchiky, tr frct tr pr intrprt por, NS

SH- gy- lt gr, m od ind, sli dull

LS- crm- tn ip, m d hd- hd ip, vfn- fn xln, secxn ip, tr frct/secxn, tr foss, sme t ool, grd off wh, sli chiky, sli sli brittle, NS

LS- br, hd, vfn xln, sli foss, tr secxn, frct NS, grd crm- off wh ip, md hd- tr sfr, vfn xln, ool ip, ool & foss ip, frct ip, NS

LS- crm, md hd- hd, vfn xln, tr frct, tr ool, sli foss ip, tr secxn, grd off wh, md hd- sfr ip, chiky, ool ip, NS

LS- crm- tnt gy, m d hd- hd, vfn- tr fn xln, foss ip, ool ip, tr frct, grd sli chiky ip, tr gas bbl, NSO, no odr

SH- blk, sli ind, sli wxy, sli foss ip

LS- lt gy- br, hd, vfn xln, sli ool, foss ip, tr frct NS, w/sme sh- gy, sli- mod ind, sli wxy

LS- crm- off wh- tr mott gy, m d hd, fn xln, grmy ip, ool, sli- tr m od chiky ip, 1 pc ? tr spotty stn, no odr, NSO

LS- crm - off wh ip, hd- tr sfr/ sli chiky ip, tr foss, frct ip, NS

SH- blk, sli- mod ind, fess ip, carb

LS- lt br- crm ip, m d hd- hd, vfn xln, frct ip, ool ip, sli foss, tr pr - 1 pc fr sli oocst/vug por, (fw pcs grd mod chiky, 1 pc so sli dd oil), tr wk flo, wkr odr, vss fo, sso, sli dead- dead m d br oil, 1 pc fr- gd cut, tr prt sat, 3 pcs mtsat- sat, md- dkr br stn

LS- crm- lt br- tnt gy, md hd- hd, vfn xln, sli foss ip, tr pr fosses# wug por, tr spity stn- part sat, vsfo

LS- crm, md hd- hd, fn- vfn xln, tr foss, tr secxn, w/tr crm mott, orng chrt, tr stn NSO, w/2 pcs ls- tn- tnt orng/rst, foss, NS

LS- lt br- sli gy- mott ip, tr ool, tr pr oocst por, vsfo- sli dd oil ? abv

SH- lt gy- gt gr- tr rsty, sli- mod ind, sli wxy- wthrd ip,

LS- lt gr- vlt gy, m d hd, fn xln, sli stly ip, v/sli arg ip- tr mod arg, tr frct, NS

SH- gy- tnt olv gr, mod ind, sli wxy ip- dull

LS- crm, hd, sli ool, mod foss ip, tr imbd ls frag, tr secxn, tr- sme grd sfr, sli- mod chiky ip, NS

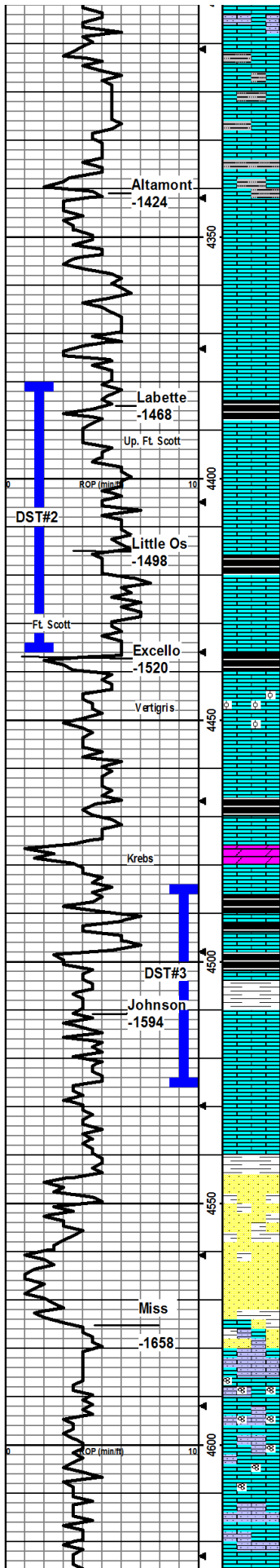
LS- crm- tn, hd, vfn xln, fn secxn ip, sli foss, sli frct, NS

SH- lt gy- tnt gr, m od ind, sli dull, grd to sme sh- lt gy, wxy sft

MUD@ 4210'  
 WT:9.2  
 VIS:57  
 WL:8.0  
 PH:11.0  
 CHL:5000

DST 1) L zn  
 4220-4272'  
 30-30-30  
 1st) 1/2" blw TO  
 2nd) VWWSB  
 Rec: 5' m/tr oil  
 IFP: 9-11#  
 FFP: 11-16#  
 SIP: 610-433#  
 HP: 1969-1963#

MUD@ 4272'  
 WT:9.2  
 VIS:51  
 WL:8.8  
 PH:11.0  
 CHL:5500



LS- crm - bnt gy-tn, md hd-hd, wfn-fn ip xln, foss ip, tr mod secln, grd vsli chky ip, wfn grn sndy, NS

LS- lt gy- crm, hd-m d hd, fn xln, grd (?abv) stly ss- lt gy-gy, srg ip, m d hd

LS-t tan, mostly fn xln, sm crs, foss, abund gry SH, abund SS-dirty gry, fn grn, no cup odr, ns.

LS-tan, fn - crs xln, sm uniform, sm foss, hard, dense w/nvp, abund gry SH as above, no cup odr, ns.

LS-tan, mostly fn xln, dense few pcs/tray crs xln, grainy, ool, foss-various, 2-3 pcs per tray w/gd int foss/vug por, pr-fr sho drk thk fo, will not break out of por, fnt odr on break, no cup odr. sm dull edge fluor.

LS- crm/wht, fn xln, mostly uniform, sm foss, chalky, sm LS-tan, ml crx xln, dense hard, 1-2 pcs per tray w/trace por pp por, vs sfo, drk, thk, will not break out, no cup odr.

LS and SH as above, no cup odr, 1 pc/tray w/vsfo as above

LS-gry/crm, mostly fn xln, mostly uniform, dense, few foss, sm chalky, abund CHER T-gry, opaque, 10-15 pcs/tray with pr-fr pp/int xln por, slt-fr sfo, fr cup odr, patchy dull yel fluor. Lots of blk carb SH in 4400 sm pl. 30m in sm pl as above, incr chalk, decr sho, fr cup odr.

LS-tan-brn, crs xln, foss, dense, hard, nvp, no cup odr, ns

LS-tan-brn, mostly fn xln, uniform, sm vcrs xln, foss, abund CHERT, all dense, nvp, no cup odr, ns.

SH-blk, carb, present in 4330smpl.

LS-t brn, fn xln, v dense, hard, brittle, 1-2 pcs per tray with trc fr-gd vug por, slt sho lt fb along edges of vugs, wk yel fluor, no cup odr. 60m in as above.

SH-blk, carb, flood in 4450 sm pl, sm SH-gry/grn, silty, no cup odr, ns.

LS-mostly gry, fn xln, uniform, dense, hard, sm ool/pls, calcite filled int ool/foss por, brittle nvp, sm CHERT-gry/brn, transl, sharp, fresh, no cup odr, ns

LS-tan, fn xln, uniform, dense, hard, decr ool, rare foss-fus/brach, CHERT as above, no cup odr, ns.

SH-blk, carb, brittle. LS-mostly drk gry, med xln, foss/ool, dense nvp, no cup odr, ns.

LS-tan, micro xln, hard, brittle, diff crush, 6-8 pcs per tray w/pr int foss por, trace wug por w/sfo, DOLO-brn, vcrs xln, rare int xln por, ns, no cup odr, scat dul yel fluor.

LS-mostly lt tan, micro xln, dense, brittle, v hard, sm LS-t tan, profus foss/ool w/pr int foss por, rare gd vug por, vs to sfo 8-10 pcs per tray, most will not break out of por, fnt cup odr, scat dul yel fluor. patchy med brn stn in drys, average 30% of surface stained, SH-blk, carb.

SH-med gry, silty. LS-as above, fnt cup odr.

LS-t tan, mostly micro xln, uniform, dense, v hard, 12-15 pcs per tray w/pr-fr pp/vug por, fr sho drk fb, bleed o&g on break gd cup odr, patchy to gd sat drk brn stn in drys, 30m in-LS, as above, decr in sho, no cup odr, 60m in as above, quest cup odr.

LS-med tan, vfn xln, mostly uniform, dense, hard, rare foss, nvp, no cup odr, ns.

LS-mostly lt tan, med xln, foss in part, dense, nvp, no cup odr, ns.

SS-wht/lt gry, fn grn, well strd, sub rnd, few glauc, fr int grn por, clean, calc, vig eff under 10% HCL, fairly well consolidated, not many loose grains, no fluor, no cut, no cup odr, ns.

SS- mostly as above, white to dirty gry, sm glauc, calc, semi-friable to very hard, pr int gran por, no cup odr, no fluor, ns.

LS-wht, fn xln, uniform, v sandy, vig eff under 10% HCL, nvp, no cup odr, no fluor, ns, SH-bright olive/yelow, waxy.

LS-tan, micro xln, foss, v hard, dense, brittle, decr sandy as above, sm LS-t tan, v grainy, ool/foss (forams?), no cup odr, ns.

LS- as above, no change.

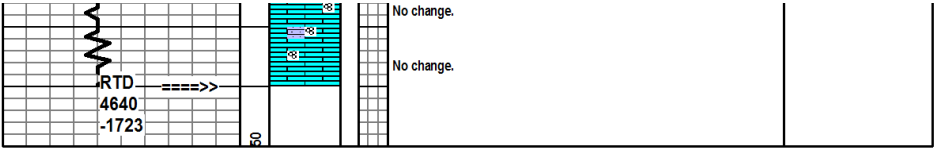
LS-tan as above, influx wht CHALK, same mix of dense, micro xln LS, foss LS and sandy LS.

LS- crm/tan, mostly sandy as above, decr CHALK, decr LS-tan, no cup odr, no fluor, ns.

Steve Carl assumes wellslight responsibility at 4340

DST 2) Ft.Scott  
4380-4436'  
30-30-30-30  
Rec: 5' OSM  
IFP: 13-11#  
FFP: 14-11#  
SIP: 458-225#  
BHT: 116degF

DST 3) Johnson  
4485-4525'  
30-30-30-30  
Rec: 1' CO  
60' OWCM  
(22% O, 18% W)  
IFP: 6-20#  
FFP: 28-38#  
SIP: 1121-1021#  
BHT: 120degF



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

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

Sam Brownback, Governor

June 18, 2013

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

Re: ACO1  
API 15-109-21177-00-00  
E & E 2-34  
SW/4 Sec.34-13S-32W  
Logan 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