



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1074153
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: _____

1074153

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	G. Andersen 4-26
Doc ID	1074153

Tops

Name	Top	Datum
Stone Corral	2506	+490
Bs Stone Corral	2531	+465
Heebner	3984	-988
Lansing	4024	-1028
Muncie Creek	4176	-1180
Stark	4261	-1265
Marmaton	4361	-1366
Excello	4520	-1524
Mississippian	4652	-1656
LTD	4722	



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 33870
LOCATION Oakley, KS
FOREMAN Walt Dunkel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-26-12	3372	G. Anderson 4-26	26	12 ^S	32 ^W	Logan
CUSTOMER <u>Grand Mesa</u>			Oakley			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Miles Shaw		
STATE			439	Cody Rantz		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 224' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 224' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 13 DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: Safety Meeting rig up on Murtin #24, circ casing on bottom
mix 165 sks com, 30 bcc - 2% Cal, Displace 13 BBL H₂O @ 150#
Shut in

Cement Did Circ

7-P

Thank You
Walt & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	1085 ⁰⁰	1,085 ⁰⁰
5406	10	MILEAGE	5 ⁰⁰	50 ⁰⁰
11045	165 sks	Class A Cement	17 ⁸⁵	2,912 ²⁵
1102	465 #	Calcium Chloride	1 ⁰⁰	413 ⁸⁵
11045 5407	7.96	Ton Mileage Delivery	1 ⁵⁰	410 ⁰⁰
1118B	310 #	Bentonite	1 ²⁵	77 ⁵⁰
				4,948 ⁶⁰
		Less 10% Disc		- 494 ⁸⁵
				4,453 ⁷⁵
		247434	SALES TAX	238 ⁹⁴
			ESTIMATED TOTAL	4,692 ⁶⁹

Revin 3737

AUTHORIZATION Anthony Murt

TITLE Pusher Rig #24

DATE 1-26-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 33877
LOCATION Oakley KS
FOREMAN Walt Dunkel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-2-12	3372	G Anderson 4-26	26	12 ^s	32 ^w	Logan
CUSTOMER Grand Mesa			Oakley			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			103	463	Tosh Guddle	
STATE			1/26	439	Cody Roats	
ZIP CODE			Mo			

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4722' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 x H TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Rig up on mucFin #24, Plug as ordered

- 25 SKS @ 2510'
- 100 SKS @ 1550'
- 40 SKS @ 275'
- 10 SKS @ 40'
- 15 SKS in mH
- 30 SKS in R.H.

*Thank You to
Walt + Crew*

ACCOUNT CODE	QUANTITY of UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325 ⁰⁰	1,325 ⁰⁰
5406	10	MILEAGE	5 ⁰⁰	50 ⁰⁰
1131	220 SKS	6740 por	15 ¹⁰	3,322 ⁰⁰
1118B	756 #	Bentonite	1 ²⁵	189 ⁰⁰
1107	55 #	Flu-seal	2 ⁸²	155 ¹⁰
5407	9.46	Ton Mileage Delivery	16 ⁷	410 ⁰⁸
4432	1	85% Woodlan Plug	96 ⁰⁰	96 ⁰⁰
				5547 ¹⁰
		Less 10% Disc	-	554 ⁷¹
				4992 ³⁹
		247638	SALES TAX	264 ¹⁷
			ESTIMATED TOTAL	5256 ⁵⁰

Ravin 3737

AUTHORIZATION Ronald Strubers TITLE Toolpusher #24 DATE 2-2-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

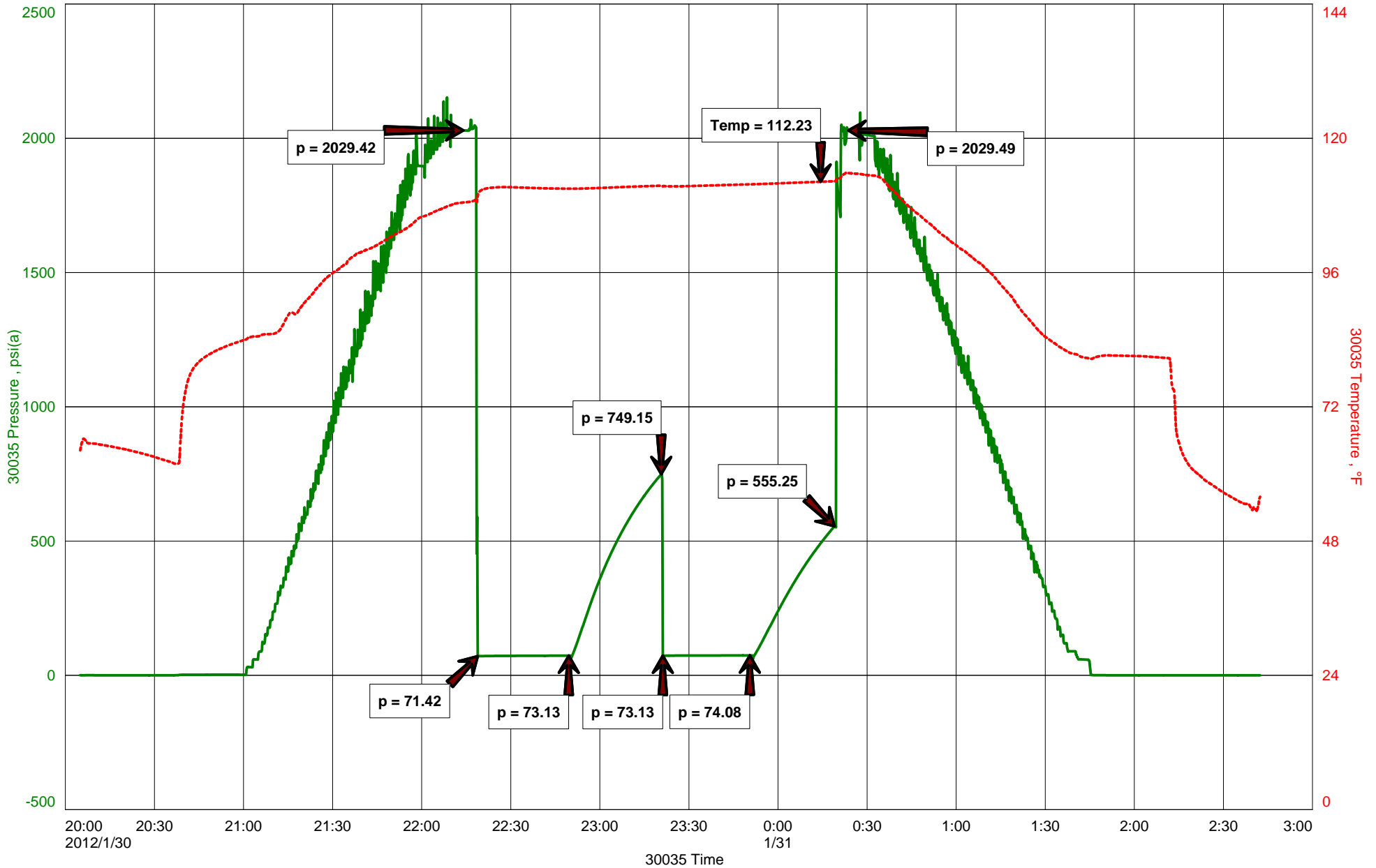
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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
DST #1 4195-4262' Lansing I,J,K
Start Test Date: 2012/01/30
Final Test Date: 2012/01/31

G. Andersen #4-26
Formation: DST #1 4195-4262' Lansing I,J,K
Pool: Wildcat
Job Number: S0082

G. Andersen #4-26



Diamond Testing

General information Report

General Information

Company Name Grand Mesa

Contact	Ron Sinclair	Job Number	S0082
Well Name	G. Andersen #4-26	Representative	Jacob McCallie
Unique Well ID	DST #1 4195-4262' Lansing H,I,J	Well Operator	Grand Mesa
Surface Location	SEC. 26-12S-32W Logan County	Report Date	2012/01/31
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #1 4195-4262' Lansing H,I,J		
Well Fluid Type	01 Oil	Start Test Time	20:05:00
		Final Test Time	02:43:00
Start Test Date	2012/01/30		
Final Test Date	2012/01/31		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
135' DM 100% DM
135' TOTAL FLUID

TOOL SAMPLE:
100% DM



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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

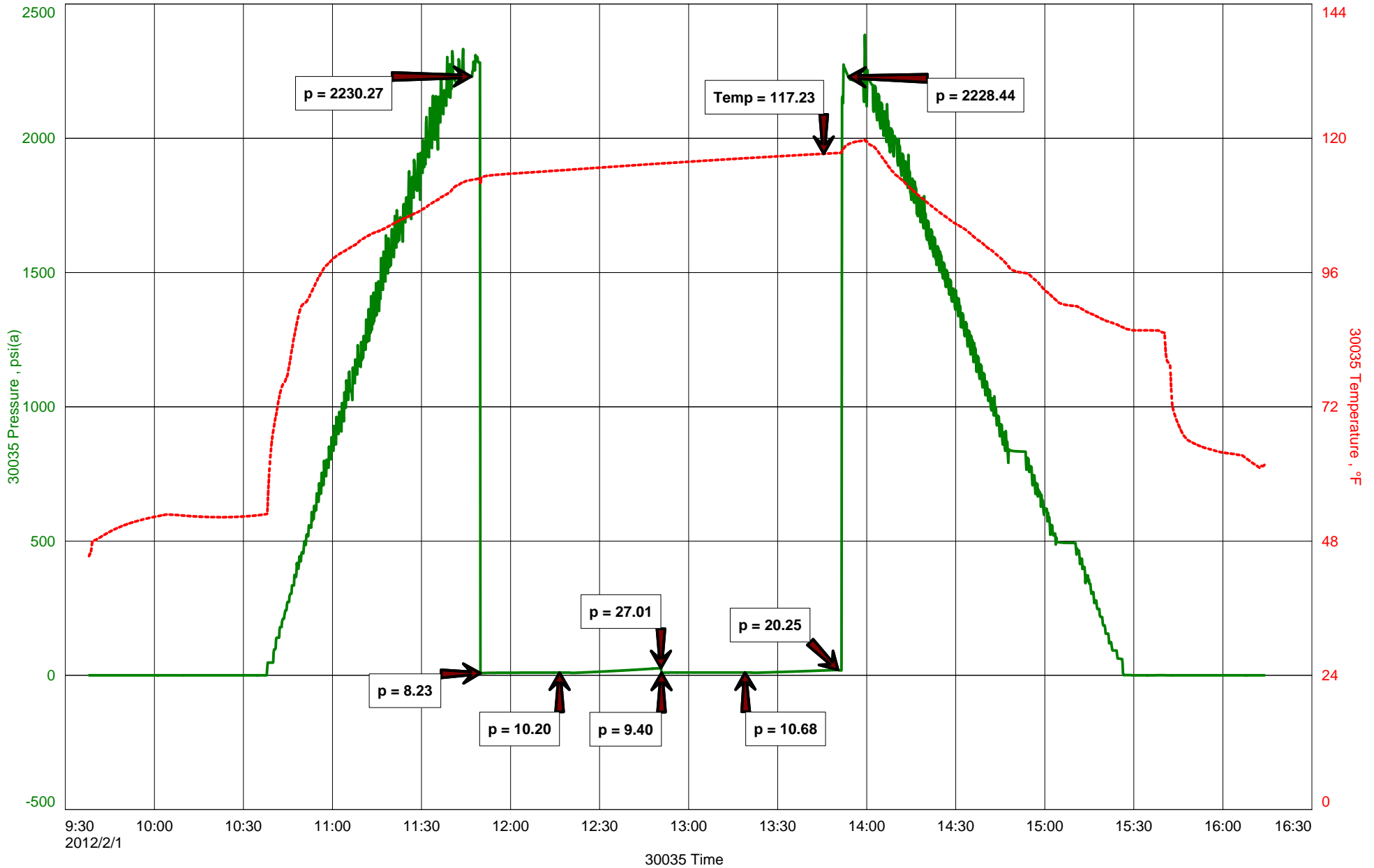
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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
DST #2 4545-4602' Johnson
Start Test Date: 2012/02/01
Final Test Date: 2012/02/01

G Andersen #4-26
Formation: DST #2 4545-4602' Johnson
Pool: Wildcat
Job Number: S0083

G Andersen #4-26



Diamond Testing

General information Report

General Information

Company Name Grand Mesa

Contact	Ron Sinclair	Job Number	S0083
Well Name	G Andersen #4-26	Representative	Jacob McCallie
Unique Well ID	DST #2 4545-4602' Johnson	Well Operator	Grand Mesa
Surface Location	SEC 26-12S-32W Logan County	Report Date	2012/02/01
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	09:38:00
Formation	DST #2 4545-4602' Johnson	Final Test Time	16:15:00
Well Fluid Type	01 Oil		
Start Test Date	2012/02/01		
Final Test Date	2012/02/01		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
3' DM 100% DM
3' TOTAL FLUID

TOOL SAMPLE:
100% DM

GRAND MESA

OPERATING COMPANY

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

1700 N. WATERFRONT PARKWAY
BLDG. 600
WICHITA, KANSAS 67208-5514

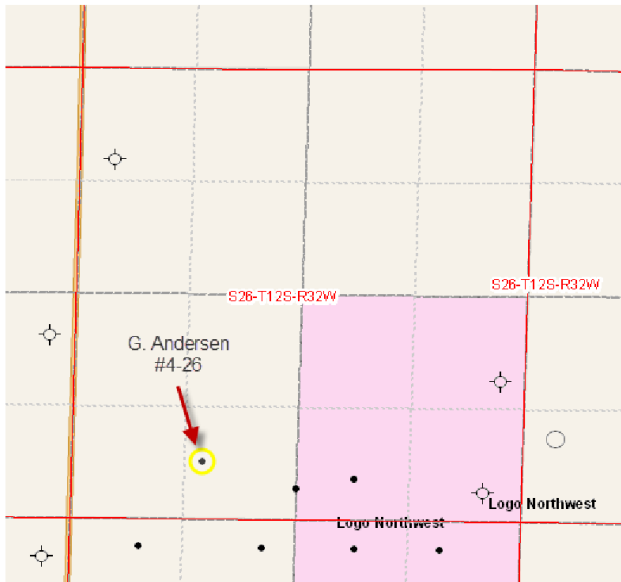
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: G. Andersen #4-26
Location: 662' FSL, 1481' FWL, 26-12s-32w, Logan County, Kansas
License Number: API: 15-109-21070 Region: Logan County
Spud Date: 01/26/2012 Drilling Completed: 02/02/2012
Surface Coordinates: Lat: 38.9765747
Long: -100.8454563
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 2991' K.B. Elevation (ft): 2996'
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4722'
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: Kent R. Matson
Company: Matson Geological Services, LLC
Address: 33300 W. 15th Street S.
Garden Plain, Kansas 67050
316-644-1975



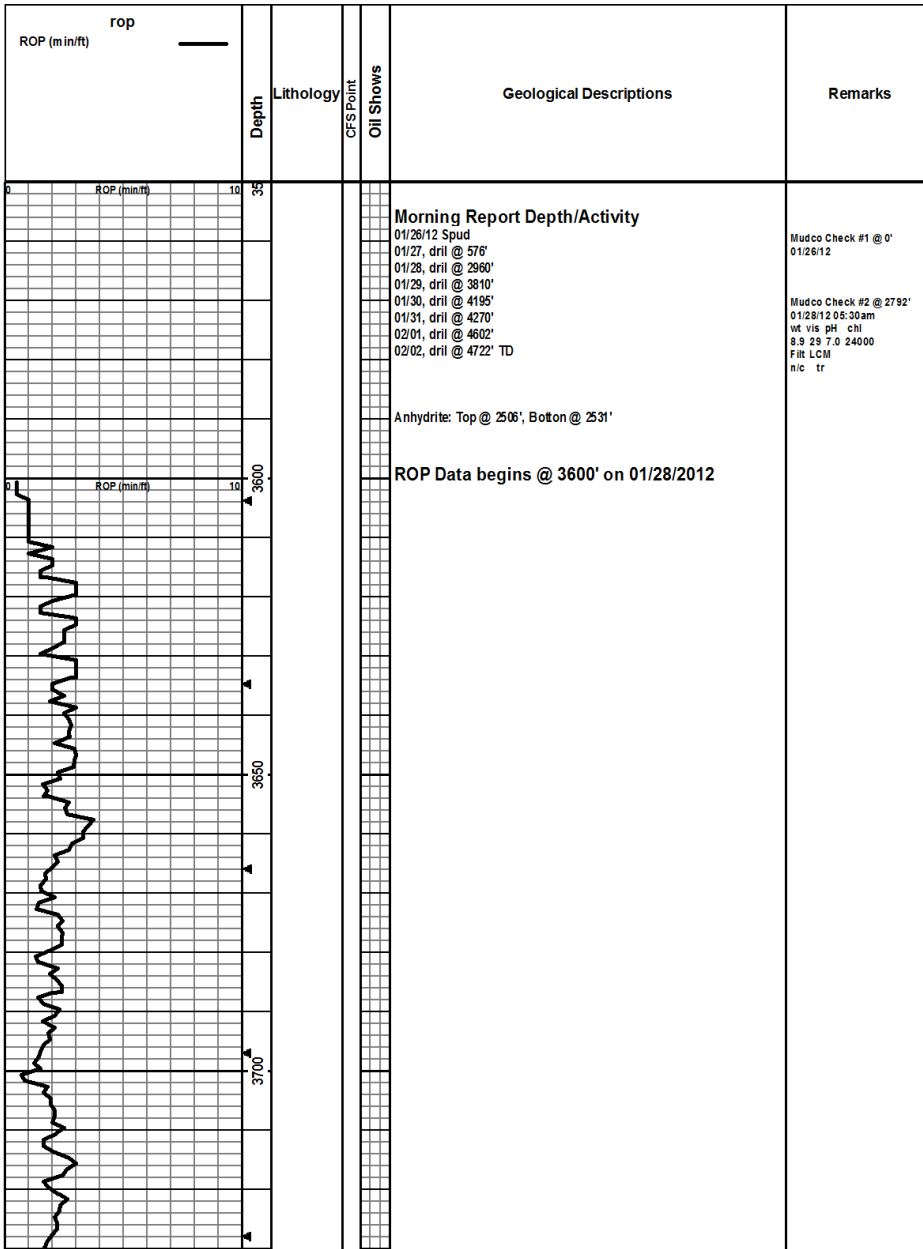
COMMENTS

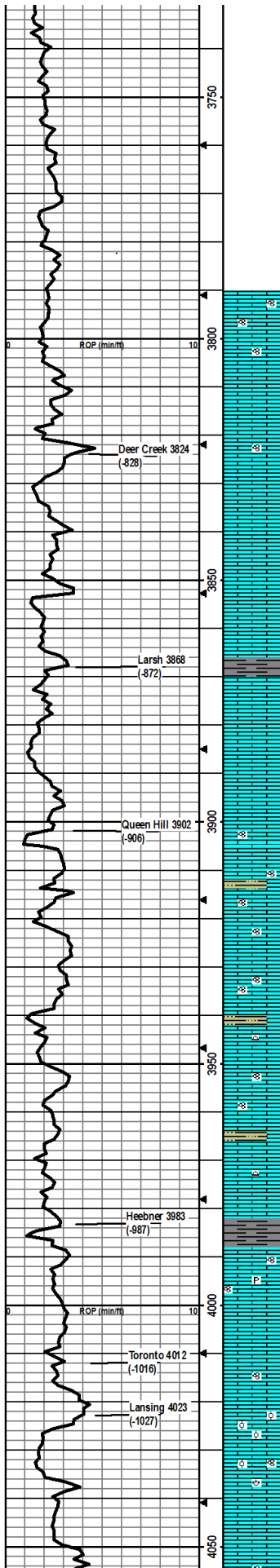
Contractor: Murfin Drilling Company Rig #24
Pusher: Tony Martin
Surface Casing: 8 5/8" set at 224' (KB) w/165sx
Production Casing: Production casing was not installed and the hole was plugged and abandoned based on field observations of drill cuttings and DST results.
Mud by: MudCo
DST's by: Diamond Testing
Logs by: Weatherford (DIL, CN-CD, ML)
RTD= 4722'
LTD= 4722'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Queen Hill	3902'	-906	3901'	-905

Heebner Shale	3983'	-987	3984'	-988
Toronto	4012'	-1016	4012'	-1016
Lansing	4023'	-1027	4023'	-1027
Muncie Creek Shale	4177'	-1181	4177'	-1181
Stark Shale	4262'	-1266	4260'	-1264
Hushpuckney Shale	4299'	-1303	4297'	-1301
Marmaton	4362'	-1366	4361'	-1365
Upper Fort Scott	4473'	-1477	4473'	-1477
Little Osage Shale	4494'	-1498	4494'	-1498
Excello Shale	4569'	-1573	4570'	-1574
Johnson Zone	4592'	-1596	4593'	-1597
Morrow	4617'	-1621	4616'	-1620
Mississippian	4649'	-1653	4649'	-1653
RTD	4722'	-1726		
LTD			4722'	-1726





Drill cutting samples at 10' intervals start at 3800'.

LS: crm/lt gry crm, micro-med xtal, foss frags/fusln, min ppt in-xal por, ns.

LS: crm/lt gry brn, lt brn, micro-med xtal, foss frags/fusln, stly silty, min ppt in-xal por, ns.

LS: crm-lt brn, micro-fn xtal, foss frags, vry silty, m in ppt in-xal por, ns.

LS: crm-lt brn, micro-med xtal, foss frags/m in fusln, vry silty, m in ppt in-xal por, ns.

LS: crm-brn, micro-fn xtal, foss frags, stly silty-vry silty, som e wht chalky pcs, m in frac/in-xal por, ns.

LS: crm-lt brn, micro-fn xtal, vry grainy/silty, min in-xal por, ns.

LS: lt grylsh brn, micro-med xtal, foss frags, in-xtal/frac por, ns.

LS: crm-brn, micro-med xtal, foss frags, vry silty, in-xtal/frac por, ns.

SH: bk, carb, firm, fissile.

LS: lt-med gry/gry brn w/dk brn mottling, micro-fn xtal, vry silty, som e wht chalky pcs, m in in-xtal/frac por, ns.

LS: lt gry/crm, micro-med xtal, vry silty, min foss frags, min frac por, ns.

LS: crm-lt grylsh brn, micro-med xtal, vry silty, m in foss frags, frac por, ns.

LS: crm-lt grylsh brn, micro-fn xtal, min foss frag/fusln, silty, min in-xal por, ns.

LS: lt grylsh brn, fn-med xtal, abund fusln, wht chalk, some lt gry/red brn silty SH, min frac por, ns.

LS: crm/med gry, micro-med xtal, min foss frags/fusln, min frac por, ns.

LS: crm/lt grylsh brn, micro-med xtal, some pcs w/abund fusln, min frac/in-xal por, ns.

LS: crm, micro-fn xtal, lt grylsh wht chert, min frac por, m in lt-med gry silty SH, ns.

LS: lt gry/crm/med brn, micro-med xtal, foss frags/fusln, m in frac por, ns.

LS: lt gry/crm/lt brn, micro-med xtal, foss frags/fusln, some silty, min in-xtal/frac por, som e lt-dk gry/red brn silty SH, ns.

LS: lt gry/crm, micro-med xtal, foss frags, some lt gry chert, no vis por, ns.

SH: dk gry/blk, carb, firm, fissile.

LS: lt-dk gry, crm-dk brn, micro-med xtal, foss frags/fusln, some vry silty pcs, some pyritic, frac por, ns.

LS: lt gry/crm, micro xtal, dense w/min frac por, ns.

LS: lt gry/crm, micro-fn xtal, m in foss fusln, m in frac por, ns.

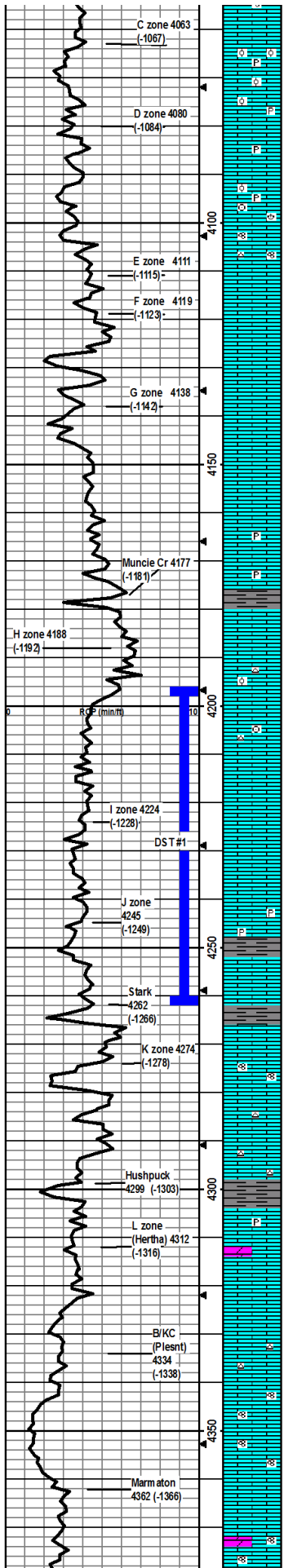
LS: crm, micro-curextal, abund ool, abund wht chalky pcs, vug ool-castic por, ns.

LS: lt gry/crm, micro-med xtal, foss frags/ool/fusln/brac, som e wht chalky pcs, m in frac por, ns.

LS: lt gry/crm, micro-fn xtal, m in foss frags, some silty pcs, m in frac por, ns.

LS: lt gry/crm/lt brn, micro-fn xtal, some foss frags/m in fusln, m ostly

Mudco Check #3 @ 3822'
 0129/128:00am
 wt vis pH chl
 8.8 57 10.0 1600
 Filt LCM
 5.6 3



dense w/fn in-xtal and frac por, ns.

LS: crm-lt brn, micro-med xtal, abund ool, some pyritic, fn in-ool por, slit odor, 13 tray pcs w/gsf, dull yel flor w/yel cut

LS: crm, micro-med xtal, some ool, some pyritic, some wht chalky pcs, fn in-xtal por, slit odor, 8 tray pcs w/gsf, dull yel flor w/yel cut.

LS: crm, micro-fn xtal, min foss frags, some pyritic, min ppt in-xtal/frac por, ns.

LS: crm, micro-med xtal, foss frags/ool/crin/brac, stly silty, stly pyritic, min in-xtal/frac por, ns.

LS: gry/crm-lt brn, micro-med xtal, foss frags/fusin, some silty, some lt gry/brn chert, min in-xtal/frac por, ns in 30 min smpl, one oolitic pcs in 60 min smpl w/sfo - need to crush to see yel cut

LS: crm-lt gryish brn, micro-fn xtal, min foss frags, 8 tray pcs w/fn por w/sfo-dk brn-blk, yel flor cut.

LS: crm-lt brn, micro-fn xtal, min foss frags, vry silty, min frac por, ns.

LS same as above.

LS: lt gryish crm-crm, micro-med xtal, foss frags, silty, m in frac por, ns.

LS: wht-crm, micro-fn xtal, foss frags, some silty, min wht chalky pcs, min in-xtal/frac por, ns.

LS: lt-med gry/crm, micro-med xtal, foss frags, stly pyritic, min frac por, ns.

LS same as above.

SH: dk gry-blk, carb, firm-hard, fissile.

LS: lt-med brn, micro-med xtal, foss frags, frac por, ns.

LS: crm-lt brn, micro-fn xtal, foss frags/ool, some silty, some wht lt brn chert, min in-xtal/frac por, ns in 30 and 60 min in dir smpls.

LS: crm-brn, micro-med xtal, foss frags/min crin, some silty, min lt brn chert, min frac por, ns.

LS: lt gry/crm-med brn, micro-med xtal, foss frags, min frac por, ns.

LS: crm, micro-fn xtal, min foss frags, fn in-xtal por, odor, dull yel flor w/yel cut, 18 pcs w/gsf.

LS: lt-med gry/crm, micro-fn xtal, min foss frags, min frac por, ns.

LS: lt gry/crm-lt brn, micro-fn xtal, some pyritic, min frac por, ns.

SH: dk gry/blk, carb, firm, fissile.

LS: lt gry/crm, micro-fn xtal, gd cup odor, 5 pcs w/fn-vug por, yel flor w/gd yel cut, gsf.

Slight cup odor w/5 pcs w/fn-vug por and sfo in 30 min smpl; slight cup odor w/1 pce sfo in 60 min smpl.

SH: dk gry/blk, carb, firm, fissile.

LS: crm-dk brn, micro-med xtal, foss frags, mostly dense w/some pcs w/fn in-xtal por, slit odor when crushed, 5 pcs w/fn-vug por w/gsf, yel flor.

LS: lt-dk gry/crm-dk brn, micro-med xtal, foss frags/fusin, some vry silty, no stly dense w/min frac por, 1 pce w/fn-vug por w/sfo, yel flor w/yel cut.

LS: lt gry/crm-brn, micro-med xtal, foss frags, min wht chalky pcs, min wht/lt gry chert, min frac por, ns.

LS: lt gry-crm, micro-med xtal, foss frags/fusin, wht chert, min in-xtal/frac por, ns.

SH: dk gry/blk, carb, firm, fissile.

LS: crm/lt brn-dk gryish brn, micro-coarse xtal, foss frags, some silty, stly pyritic, ns.

LS: crm-dk brn/lt-med gry, micro-med xtal, min foss frags, min dk brn Dolo, frac por, ns.

LS: lt-dk gry/crm, micro-med xtal, min foss frags, frac por, ns.

LS: gry/crm-lt brn, micro-fn xtal, foss frags, some vry sandy pcs, min lt brn chert, some wht chalky pcs, min frac por, ns.

LS: lt gry/crm, micro-fn xtal, min foss frags/fusin, some dk gry/red brn SH, frac por, ns.

LS: lt gry/crm-med brn, micro-fn xtal, foss frags/fusin, some vry silty, frac por, ns.

LS: crm-lt brn, micro-med xtal, some vry silty, min in-xtal/frac por, ns.

LS: lt gry/crm, micro-med xtal, some foss frags/fusin, min dk brn Dolo, some wht chalky pcs, some in-xtal/frac por, ns.

CFS @ 4111'
30°/60"

Mudco Check #4 @ 4196'
01/30/12 3:00am
wt vis pH chl
9.0 54 11.0 1500
Filt LCM
6.4 5

CFS @ 4196'
30°/60"

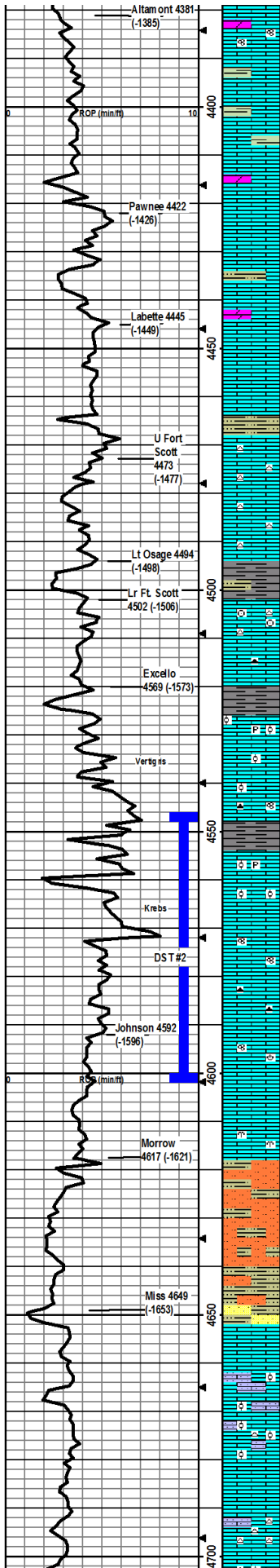
DST1) 4195-4262
30/30/30/30
1st) 5" blow built to 5.25" in 30 min, no BB.
2nd) Weak sur blow died in 2.5 min, no BB
IFP 71-73# FFP
ISIP 749# FFP
73-74# FFP
HP 2029-2029# FFP
Recvd: 135' mud.

Note: DST tool slid down 10' when seating: 5.25" initial blow is due to influx of mud into tool; true blow is probably weak surface blow building to .25". 5' of recovered mud may also be more true instead of 135'.

CFS @ 4247'
30°/60"

CFS @ 4262'
30°/60"

Mudco Check #5 @ 4332'
01/31/12 11:00am
wt vis pH chl
9.1 57 11.0 2000
Filt LCM
4.8 5



LS: crm-brn, micro-med xtal, some foss frags/fusin, min brn Dolo, wht chalky pcs, some vry sandy pcs, in-xtal/frac por, ns.

LS: lt gry/crm-lt brn, micro-med xtal, some foss frags, some dk red brn firm SH, min frac por, ns.

LS same as above w/increase in lt-med gry/dk red brn SH, soft-firm, fissile.

LS: lt gry/crm-dk brn, micro-med xtal, foss frags, some lt gryish brn Dolo, min in-xtal/frac por, ns.

LS: lt gryish crm/crm, micro-fn xtal, min foss frags, some stly silty pcs, min in-xtal/frac por, ns.

LS: lt-dk gry/crm-dk brn, micro-fn xtal, min foss frags, some vry silty pcs, lt gry/dk red brn soft-firm silty SH, frac por, ns.

LS: lt gry/crm, micro-fn xtal, foss frags, some wht chalky pcs, some brn Dolo, frac por, ns.

LS: lt gry/crm, micro-fn xtal, min foss frags, some vry silty, frac por, ns.

SH: lt-dk gry, soft-firm, some vry silty, fissile.

LS: lt gry/crm, micro-fn xtal, min foss frags, silty, wht/lt gry chert, min pyritic, ppt in-xtal/frac por, ns.

LS: crm-med brn, micro-fn xtal, min foss frags/fusin, wht/brn chert, frac por, ns.

SH: dk gry/blk, carb, firm-hard, some silty pcs, fissile.

LS: lt gry/crm-brn, micro-coarse xtal, some foss frags/crin, wht/brn chert, min frac por, ns.

LS: lt gry/crm-lt brn, micro-med xtal, some foss frags, min brn chert, min frac por, ns.

SH: gry-dk gry/blk, firm, carb, fissile.

LS: crm-brn, micro-coarse xtal, some foss frags w/abund ool, some coarse ool w/solid matrix, stly pyritic, min frac por, ns.

LS: lt gry/crm-brn, micro-coarse xtal, min foss frags/decrease in ool content from above, min frac por, ns.

LS: brn-dk brn, micro-coarse xtal, foss frags/fusin/ool, dk brn chert, frac por, ns.

SH: dk gry/blk, firm, carb, fissile.

LS: lt gry/crm, micro-med xtal, min foss frags/some ool pcs w/solid matrix, stly pyritic, frac por, ns.

LS: lt gry/crm-brn, micro-med xtal, foss frags/fusin/some ool clusters, frac por, ns.

LS: crm-brn, micro-fn xtal, some foss frags/fusin, lt gryish brn chert, frac por, ns.

LS: crm-lt brn, micro-fn xtal, min foss frags, some wht chalky pcs, some brn chert, some fn in-xtal/frac por, no cup or crushed odor, 1 pce w/fin in-xtal por and sfo, dull yel floor and yel cut, slsfo.

LS: crm-lt brn, micro-fn xtal, min foss frags/brac/fusin, some brn chert, some clastic sand clusters, min in-xtal/frac por, ns in 30 m in sm pl, 6 pcs in 60 m in sm pl w/fin por w/sfo.

LS: crm-brn, micro-fn xtal, some foss frags, some frac por, ns.

LS: crm-med brn, micro-fn xtal, foss frags/bryoz, some frac por, ns.

SH/SS mix: SH: mustard yel/greenish gry/gry, st-vry silty, firm; SS: wht/green/brn, vf grnd, well sorted, sr-wr, predom qtz, friable, ns.

SH/SS mix as above; SH is stly pyritic, includes some red brn, ns.

SH/SS mix as above but w/increase in SH content, ns.

Some pcs of coarse grained sand in 30" and 60" smpls, ns.

LS: lt gry/crm-lt brn, micro-fn xtal, min foss frags, stly pyritic, frac por, ns.

LS: crm, micro-fn xtal, oolitic w/solid matix, some vry silty/sandy pcs, min frac por, ns.

LS: lt gry/crm, micro-med xtal, abund oolites w/solid matrix, stly silty/sandy, min wht chert, min ppt in-xtal and frac por, ns.

LS: lt gry/crm, micro xtal, dense, no vis por, ns.

LS: lt gry/crm, micro-fn xtal, some vry sandy, abund wht chert, no vis por, ns.

DST2) 4545-4602

020203030
 1st) 0.25" blow built to 0.5" in 30 min, no BB.
 2nd) no blow no build, no BB
 IF P 8-10# FFP 9-11#
 ISIP 27# F SIP 20#
 HP 2230-2228#
 Recvd: 3' mud.

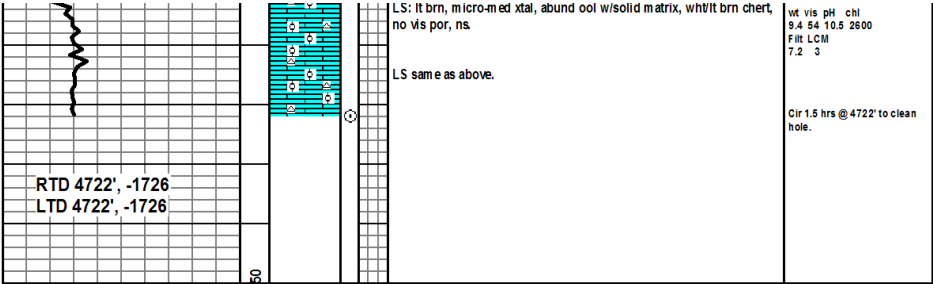
CF 5 @ 4602'
 30"60"

Mudco Check #6 @ 4602'
 020111211:30 am
 VE vis pH chl
 9.4 53 10.5 2800
 FIT LCM
 6.4 4

CF 5 @ 4637'
 30"60"

CF 5 @ 4652'
 30"60"

Mudco Check #7 @ 4722'
 02021205:30 am



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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 15, 2012

Ronald N. Sinclair
Grand Mesa Operating Company
1700 N WATERFRONT PKWY BLDG 600
WICHITA, KS 67206-5514

Re: ACO1
API 15-109-21070-00-00
G. Andersen 4-26
SW/4 Sec.26-12S-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,
Ronald N. Sinclair