



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1078736
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: _____

1078736

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	DICKMAN 7-17
Doc ID	1078736

All Electric Logs Run

Comp. Neutron/Density PE Log
DI Log
Micro Log
Dual Rec. Cement Bond Log

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	DICKMAN 7-17
Doc ID	1078736

Tops

Name	Top	Datum
Stone Corral	1738	+731
Bs/Stone Corral	1774	+695
Heebner	3779	-1310
Lansing	3820	-1351
Bs Kansas City	4110	-1641
Ft. Scott	4317	-1848
Mississippian	4399	-1930
LTD	4499	

ALLIED CEMENTING CO., LLC. 042489

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

DATE <u>2-21-12</u>	SEC. <u>17</u>	TWP. <u>17S</u>	RANGE <u>24 W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>Dickman Rurt</u>		WELL# <u>7-17</u>		LOCATION		COUNTY <u>Ness</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Mallard #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 212
 CASING SIZE 8 5/8 DEPTH 212
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15 ft
 PERFS.
 DISPLACEMENT freshwater

OWNER Grand Mesa Operating

CEMENT
 AMOUNT ORDERED 150 sx comm 3% gel
2 3/4 gel

EQUIPMENT

PUMP TRUCK CEMENTER Wayne D
 # 366 HELPER Shane K
 BULK TRUCK
 # 482/188 DRIVER Kevin W
 BULK TRUCK
 # DRIVER

COMMON	<u>150</u>	@	<u>16.25</u>	<u>2,437.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@	<u>58.20</u>	<u>291.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>158</u>	@	<u>2.25</u>	<u>355.50</u>
MILEAGE	<u>158 x 15 x .11</u>		<u>260.70</u>	<u>344.00</u>
TOTAL				<u>3,491.70</u>

REMARKS:

Arrive on location hold safety meeting, rig up run 5 bbls freshwater ahead, mix 23.25 bbls of cement and 12.54 bbls of fresh water displacement. Shut in and rig down. Cement circulated. Wash up

SERVICE

DEPTH OF JOB	<u>212</u>			
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>Hvm 30</u>	@	<u>7.00</u>	<u>210.00</u>
MANIFOLD		@		
	<u>Hvm 30</u>	@	<u>4.00</u>	<u>120.00</u>
		@		
TOTAL				<u>1455.00</u>

CHARGE TO: Grand Mesa Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			
TOTAL				

To Allied Cementing Co., 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	<u>4,946.70</u>
70% 20% DISCOUNT	<u>1,325.50</u>
	<u>3,621.20</u>

IF PAID IN 30 DAYS

PRINTED NAME X Susan McDonald
 SIGNATURE X [Signature]

JOB LOG

SWIFT Services, Inc.

DATE 1 MAR 12 PAGE NO.

CUSTOMER GRAND MESA WELL NO. LEASE DICKMAN 7-17 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 22063

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1745							ON LOCATION RTD @ 4500 SHOE JT. 11.30 CENTRALIZERS 2, 4, 6, 8, 10, 65 BASKETS, 2, 66 PORT COLLAR TOP OF JT # 66 @ 1750 SCRATCHERS JTS 3, 4
	1840							START PIPE 5 1/2 - 15.5 #
	2050							DROP BALL CIRCULATE
	2102	6	12		✓	300		Pump 500 gal MUD FLUSA
	2104	6	20		✓	300		Pump 20 Bbl BCL FLUSA
	2109		7.5					PLUG RH-MH (30sx-20sx)
	2112	4	30		✓			MIX 125 sx FA2
	2124							WASH OUT PUMPING LINES.
	2126	6			✓			START DISPLACEMENT
	2145		107		✓	1500		PLUG DOWN PSI up LATCH PLUG IN.
	2147				✓			RELEASE PSI - DRY
	2150							WASH TRUCK
	2215							JOB COMPLETE.
								THANKS # 110
								JASON JEFF SHANE ISAAC

JOB LOG

SWIFT Services, Inc.

DATE 12 MAR 72 PAGE NO. 1

CUSTOMER Grand Area WELL NO. 7-17 LEASE Dickman JOB TYPE cement port collar TICKET NO. 22031

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								1350ys 200 5MD w/ 7/8" floccle Port collar 1750' 2 3/4" x 5 1/2"
	1300							on loc 1300
	1313					1000	1000	test to 1000psi - held open port collar
	1318	3	4			400	400	inj rate
	1321	4				400		mix 5MD cement @ 11.2 ppg
		4	13			250		fluid to surface
	1339	3 1/2	75			450		Cement to surface
	1340	3 1/2	9			450		Displace w/ H ₂ O
								close port collar
	1347					1000	1000	test to 1000psi - held Run 4 joints 205ys pit
	1400		20					Reverse hole clean 2 cement flops
								wash truck
								Rack up
	1445							job complete
								Thank Blair Wayne, 22031 13 MAR



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300

MAR 21 2012

Invoice

DATE	INVOICE #
3/19/2012	22031

BILL TO
Grand Mesa Operating Company 1700 North Waterfront Parkway Building 600 Wichita, KS 67206

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#7-17	Dickman	Ness	Gonzales Well Ser...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	[REDACTED]	[REDACTED]
576D-D	Pump Charge - Port Collar				1	Job		
330	Swift Multi-Density Standard (MIDCON II)				135	Sacks		
276	Flocele				50	Lb(s)		
290	D-Air				2	Gallon(s)		
104	Port Collar Tool Rental				1	Each		
581D	Service Charge Cement				200	Sacks		
582D	Minimum Drayage Charge				1	Each		
	Subtotal							
	Sales Tax Ness County							

We Appreciate Your Business!

Total [REDACTED]

[Handwritten initials]

GRAND MESA

OPERATING COMPANY

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

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

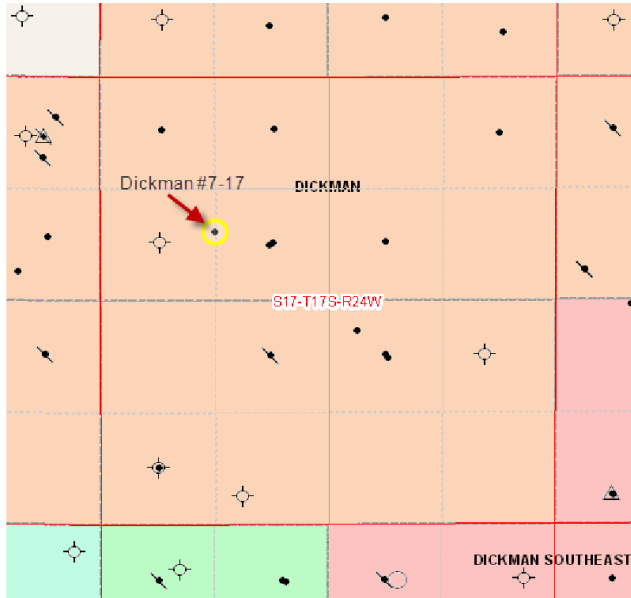
Scale 1:240 (5"=100') Imperial
 Measured Depth Log

Well Name: DICKMAN #7-17
 Location: 1830' FNL, 1335' FWL, 17-17s-24w, NESS County, Kansas
 License Number: API: 15-135-25361 Region: NESS County
 Spud Date: 02/21/2012 Drilling Completed: 03/01/2012
 Surface Coordinates: Lat: 38.5751254
 Long: -100.0059947
 Bottom Hole Vertical hole
 Coordinates:
 Ground Elevation (ft): 2464' K.B. Elevation (ft): 2469'
 Logged Interval (ft): 3600' To: RTD Total Depth (ft): 4500'
 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



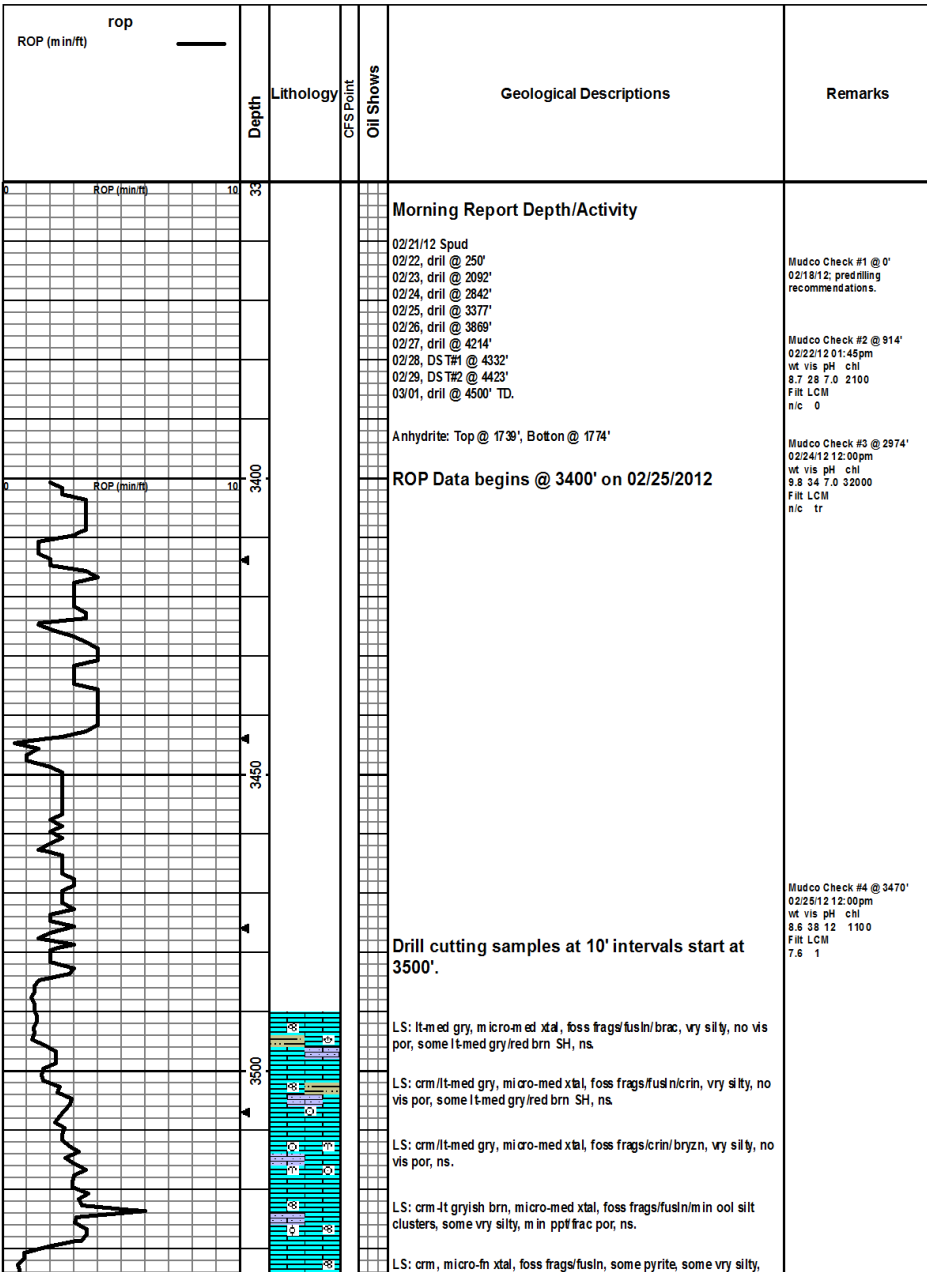
COMMENTS

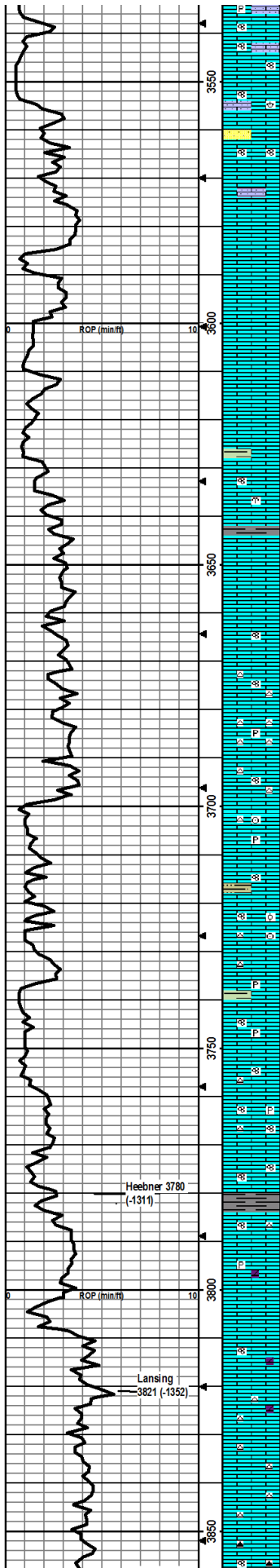
Contractor: Mallard J.V. Inc. Rig #1
 Pusher: Lavon Urban
 Surface Casing: 8 5/8" set at 212' (KB) w/150sx concrete
 Production Casing: Production casing (5 1/2") was installed to RTD.
 Mud by: MudCo
 DST's by: Diamond Testing
 Logs by: Superior Well Services (DIL, CN-CD, ML)
 RTD= 4500'
 LTD= 4499'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Heebner Shale	3780'	-1311	3779'	-1310
Lansing	3821'	-1352	3820'	-1351

Stark Shale	4055'	-1586	4053'	-1584
Hushpuckney Shale	4089'	-1620	4087'	-1618
Marmaton	4155'	-1686	4156'	-1687
Excello Shale	4310'	-1841	4310'	-1841
Fort Scott	4317'	-1848	4315'	-1846
Mississippian	4401'	-1932	4399'	-1930
RTD	4500'	-2031		
LTD			4499'	-2030





min ppt/frac por, ns

LS: crm -lt brn/lt gry, m micro-fn xtal, foss frags/fusln, som e vry silty, min ppt/frac por, ns.

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

LS: lt gry/crm, micro-fn xtal, foss frags/fusln, som e gry silt/sand stn pcs pred qtz w/pyrite, LS crushes easily, m in frac por, ns.

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

LS: crm, micro-fn xtal, foss frags, silty, no vis por, ns.

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

LS: crm -lt brn/lt gry, m micro-fn xtal, foss frags, som e vry silty, min in-xtal por, ns

LS: crm -lt brn, micro-fn xtal, foss frags, some vry silty, no vis por, ns.

LS: crm -lt gryish crm, micro-fn xtal, min foss frags, silty, some greenish gry-gry soft SH, min in-xtal/frac por, ns

LS: crm -lt brn, micro-fn xtal, foss frags/fusln/bryzn, no vis por, ns.

LS: crm -lt gryish brn, micro-fn xtal, foss frags, few pcs med-dk gry/blk firm-hard SH, min ppt por, ns

LS: crm, micro xtal, min frac por, ns.

LS: crm -lt brn, micro-fn xtal, min foss frags/few fusln, some stly silty, crushes easily, min frac por, ns.

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

LS: crm -lt gryish brn, micro-med xtal, min foss frags, stly pyritic, abund lt gry/lt brn chert, m in frac por, ns

LS: crm -lt brn, micro-fn xtal, min foss frags/fusln, wht/lt gry chert, no vis por, ns.

LS: crm -lt gryish brn, micro-fn xtal, min foss frags/crin, stly pyritic, lt gry chert, no vis por, ns.

LS: crm -lt brn/med gryish brn, micro-fn xtal, min foss frags/fusln, some lt-med gry silty SH, min frac por, ns

LS: crm -lt brn, micro-fn xtal, foss frags/min fusln and crin min ool clusters, m in wht chert, no vis por, ns

LS: crm -med brn, micro-med xtal, foss frags, stly pyritic, min wht/lt gry chert, some gryish green-dk gry firm SH, no vis por, ns

LS: crm -lt brn, micro-fn xtal, min foss frags/fusln, min wht/lt gry chert, no vis por, ns.

LS: crm -lt brn, micro-fn xtal, min foss frags/fusln, min lt brn chert, min in-xtal por, ns.

LS: crm -lt gryish brn, micro-fn xtal, foss frags/fusln, min lt gry chert, some vry silty/sdy pcs, stly pyritic, min in-xtal por, ns.

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

SH: blk, carb, firm, fissile

LS: crm -lt brn, micro-fn xtal, foss frags/min fusln, min lt gry chert, no vis por, ns.

LS: crm -lt brn, micro-fn xtal, min foss frags, min lt gryish brn Dolo, stly pyritic, no vis por, ns

LS: crm -lt gryish brn, micro-fn xtal, min foss frags, som e vry grainy, no vis por, ns

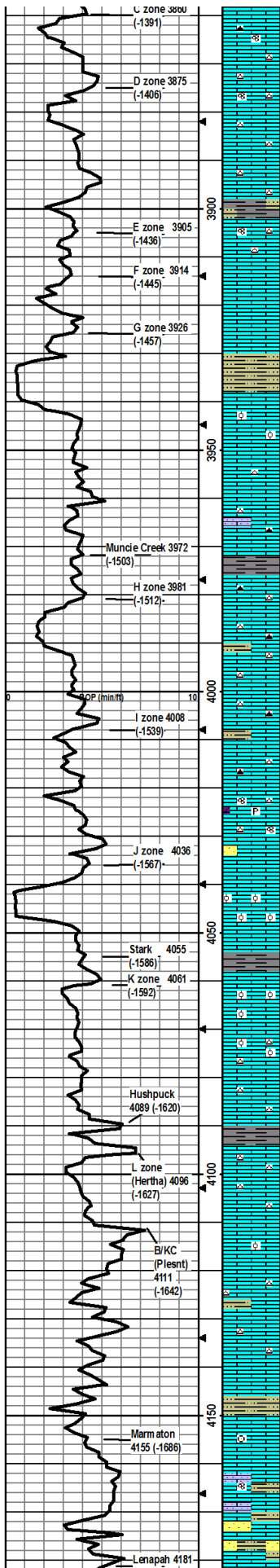
LS: crm -lt brn, micro-fn xtal, min foss frags/fusln, some vry grainy, min brn Dolo, no vis por, ns

LS: crm, micro-fn xtal, min foss frags, wht/lt brn chert, m in brn Dolo, no vis por, ns

LS: crm/lt gry, m micro-med xtal, som e vry grainy, wht/lt brn chert, no vis por, ns.

LS: crm -lt brn/lt gryish brn, micro-med xtal, lt brn-brn chert, no vis por, ns.

LS: crm -brn/gry, m micro-med xtal, min foss frags/fusln, dk brn/blk chert, no vis por, ns.



LS: crm-brn, micro-med xtal, min foss frags/fusln, lt brn-dk brn chert, min in-xtal por, ns.

LS: crm-lt gryish brn, micro xtal, min foss frags/fusln, some wht chert, no vis por, ns.

LS: crm-brn/gryish brn, micro-fn xtal, min foss frags, wht/lt brn chert, no vis por, ns.

LS: crm, micro xtal, some wht chert, no vis por, ns.

SH: med-dk gry, silty, carb, soft-firm, fissile

LS: crm-lt gryish brn, micro-fn xtal, min foss frags/fusln, min brn Dolo, lt gry chert, no vis por, ns.

LS: crm, micro xtal, grainy, some wht chalky pcs, no vis por, ns.

Same as above.

SH: med-dk gry/gryish green, red brn w/green mottling, carb, some vry silty, firm, fissile

LS: crm, micro-fn xtal, min foss frags, some ool pcs w/solid matrix, some silty pcs, min lt gry chert, no vis por, ns.

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

LS: crm-brn/gry, micro-fn xtal, min foss frags, some vry silty, some lt-dk brn chert, mostly dense w/few pcs w/oo-castic por, ns.

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

LS: crm-lt brn, micro-fn xtal, min foss frags, wht/dk gry chert, no vis por, ns.

LS: crm-brn/gry, micro-med xtal, min foss frags, some wht chert, min in-xtal por, some med-dk gry/greenish gry firm silty SH, ns.

LS: crm-lt brn, micro xtal, some wht/dk gry chert, min in-xtal por, some dk gry and mustard yell soft silty SH, ns.

LS: crm-lt gryish brn, micro xtal, some silty pcs, wht/dk gry chert, no vis por, ns.

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

LS: crm-lt brn, micro-fn xtal, min foss frags/fusln, some vry silty pcs, few pcs gry/yel SS pred qtz, min frac por, ns.

LS: crm-lt brn, micro-med xtal, abund ool, good vug ool-castic por, some wht soft chalky pcs crush easily, ns.

LS: crm/lt gry, micro-fn xtal, silty, no vis por, ns.

SH: med-dk gry/blk/greenish gry, carb, firm, fissile

LS: crm-lt brn, micro-med xtal, foss frags w/some pcs w/abund ool, some w/no por, some pcs w/good ool-castic vug por, ns.

LS: lt gry/crm-lt brn, micro-fn xtal, min foss frags, some ool pcs, wht chert, mostly dense w/min ool-castic vug por, ns.

LS: lt gry/crm-brn, micro-fn xtal, min foss frags, wht/lt gry/lt brn chert, no vis por, ns.

SH: med-dk gry, carb, silty, soft-firm, fissile

LS: lt gry/crm-brn, micro-fn xtal, min foss frags, wht chert, no vis por, ns.

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

LS: crm/dk brn/lt gry, micro-med xtal, min foss frags/min ool, mostly dense w/some oo-castic vug por, ns.

LS: crm/lt gry, micro-fn xtal, min foss frags, silty/grainy, wht chert, some greenish gry/gry silty soft-firm SH, min frac/in-xtal por, ns.

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

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

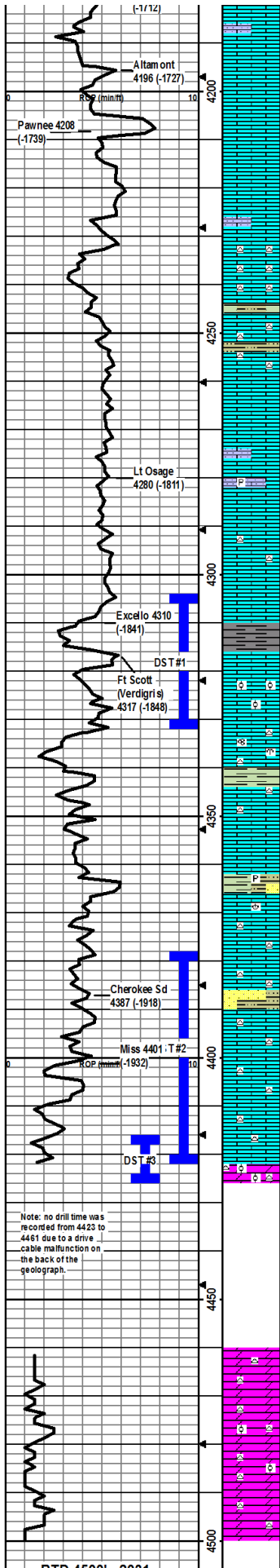
SH: med-dk gry/greenish gry/red brn, vry silty/sdy, soft-firm, fissile.

LS: lt gryish crm, micro-fn xtal, foss frags/min crin, no vis por, ns.

LS: crm/lt gry, micro-fn xtal, min foss frags/fusln, vry silty, no vis por, fld of SH: lt-med gry/red brn, vry silty w/some pred sd, ns.

LS/SH/SS mix: SH is lt-dk gry/brn-red brn, soft-firm, vry silty, carb; LS is crm-lt brn/gry, micro-xtal, foss frags, silty, no vis por, ns; SS is vlg, ws, pred qtz, vry friable.

Mudco Check #5 @ 3894'
 02/26/12 08:15am
 wt vis pH chl
 9.1 40 110 2200
 Fin LCM
 7.6 1



LS: crm, micro-fn xtal, min foss frags, some vry silty, min wht chaly pcs, some frac por, ns.

LS: crm/lt gry w/some dk brn min staining, micro-fn xtal, some sty silty, min frac por, ns.

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

LS: crm/lt gry/w/some dk brn min staining, micro xtal, no vis por, ns.

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

LS: wht/crm/lt gryish brn, micro xtal, some sty silty, abund lt brn/some w/orange mottling chert, no vis por, ns.

SH: lt-dk gry/greenish gry/red brn, carb, some vry silty, firm brittle, fissile.

LS as above but flood of SH in tray.

LS: crm/lt gry, micro-fn xtal, m in foss frags, dense, no vis por, ns.

LS: crm/lt gry w/some orange staining, micro-fn xtal, some vry silty pcs, dense, no vis por, ns.

LS: same as above w/some vry sandy pcs some pyritic.

LS: crm/lt gry, micro-fn xtal, some e foss frags, some wht/orangish brn chert, some frac in-xtal por, ns.

LS: crm, micro-fn xtal, silty, no vis por, ns.

SH: blk, firm, brittle, fissile.

LS: crm/lt gry, micro-fn xtal, m in foss frags, silty, ppt/fn in-xtal por, crush odor, yel flor and yel cut, 7 pcs of gsf.

LS: crm/lt gry, micro-fn xtal, min foss frags w/abund ool, sty silty, ppt/vug in-xtal por, cup odor, yel flor and yel cut, 5 pcs in 30" and 10 pcs in 60 m in smpls of gsf.

LS: crm-lt brn/gry, micro-med xtal, m in foss frag/crn/bryzn, lt brn chert, min frac por, ns.

LS: crm-brn, micro-med xtal, foss frags, lt brn chert, some greenish gry/med-dk gry firm sty silty SH, no vis por, ns.

LS: crm-lt brn, micro-fn xtal, some foss frags, some 2ndry re-xtalzn, min fn in-xtal por, slt crush odor, yel flor and yel cut, 2 pcs w/sfo.

SH: med-dk gry, red brn w/greenish gry mottling, some vry silty/sdy to SS degree pred qtz, some e pyritic, firm.

LS: crm, micro-med xtal, foss frags/brac, no vis por, ns.

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

LS: crm-lt brn, micro-fn xtal, min foss frags, orange brn chert, no vis por, ns.

SH: SS mx: SH is lt gryish green/med-dk gry/min mustard yel, vry silty, so n 4im: SS is wht sugery gry pred qtz, vry fr, friable, ns.

LS: crm-lt brn/lt gry, micro-fn xtal, m in foss frags, lt brn chert, min in-xtal por, no odor, 1 pcs w/sit yel flor, had to crush to get yel cut stm, sssfo.

LS: crm/lt gry, micro-fn xtal, m in foss frags, lt orange brn chert vry gd ppt-vug por, strg cup odor, some oil show w/yel flor, some lt brn oil some dk gry-blk, approx 30-40% of tray pcs w/vgsfo.

LS: same as above. In both 30" and 60" smpls, approx 75% of tray pcs w/vgsfo.

DOLO: wht/crm/lt brn, micro-med xtal, some grainy pcs, some lt brn chert, ool clusters in 60" smpl, gd fn-vug por, strg cup odor, some pcs w/lt brn oil w/yel flor, some e pcs w/dk gry-blk oil does not flor, approx 25-30% of tray smpls w/vgsfo.

Note: the depths for the samples collected from 4426-4460 were unknown due to a geolograph malfunction; therefore the samples were discarded and no discriptions are provided for these depths.

DOLO: lt gry/crm-lt brn, micro-fn xtal, grainy, some wht chert, gd fn-vug in-xtal por, strg cup odor, 25 pcs w/yel flor and vgsfo.

DOLO: lt gryish crm-crm, micro-med xtal, some pcs w/dk green min, wht chert, few ool nodes, some wht chalky pcs, strg cup odor, gd fn-vug por, yel flor, approx 25-30% of tray w/vgsfo.

DOLO: lt gry/crm, micro-course xtal, some pcs w/dk green min, wht chert, few ool pcs, strg cup odor, gd fn-vug in-xtal por, yel flor, approx 10-15% of tray w/vgsfo.

DOLO: crm, micro-med xtal, min dk green min, wht/lt yel chert, grainy, gd cup odor, ppt-fn in-xtal por, yel flor, <10 of tray w/sfo.

TD at 4500

Mudco Check #6 @ 4286'
02/27/12 01:45pm
wt vis pH chl
9.55 50 10.0 3200
FIT LCM
8.4 tr

DST1) 4304-4332
30456090
1st) Wk surf blow built to 9.5' in 30 min, vry wk surf BB.
2nd) Gd 2" blow built to BOB in 14 min, 1.5" BB
IF P 4-10# FFP 7-10#
ISIP 74# F SIP 74#
HP 2090-2089#
Recvd: 10' mud.

CFS @ 4332'
30"60"

Note: This Ft Scott top is a local pick and not equivalent to western Kansas (Equivalent to Verdigris).

Mudco Check #7 @ 4365'
02/28/12 12:35pm
wt vis pH chl
9.4 49 9.5 5400
FIT LCM
8.8 0

DST2) 4379-4423
30456090
1st) Wk 1.4" blw built to BOB in 24 min, vry wk surface BB.
2nd) Wk surface blw built to BOB in 33 min, no BB.
IF P 10-11# FFP
ISIP 114# F SIP
125-190# F SIP
114#
HP 2131-2130#
Recvd: 120' GIP, 135' CO, 65' GVHOC, 120' GVHOCM, 120' GOWCM.

Mudco Check #8 @ 4423'
02/29/12 12:30pm
wt vis pH chl
9.5 47 9.5 5400
FIT LCM
9.2 tr

CFS @ 4423'
30"60"

CFS @ 4426'
30"60"

DST3) 4416-4426
(Note: drive cable came off back of geolograph at 4423, which was not discovered until 4451 after it was thought that another 10' was drilled to 4433 for DST#3. Therefore only another 3' were drilled when DST#3 was conducted at 4426.)

30454560
1st) Wk 1" blw built to BOB in 7 min, 2" BB.
2nd) Wk 1/2" blw built to BOB in 9 min, 2" BB.
IF P 40-26# FFP
ISIP 114# F SIP
275-466# F SIP
114#
HP 2160-2150#
Recvd: 150' GIP, 480' GO, 65' GVHOC, 190' GVHOCM, 430' GSO&MCW

CFS @ 4500' 30"60". Cir total of 1.5 hrs to clean hole.

RTD 4300, -2030
LTD 4499, -2030

50

DIAMOND TESTING

General Information Report

General Information

Company Name GRAND MESA OPERATING CO.
Contact RONALD SINCLAIR
Well Name DICKMAN #7-17
Unique Well ID DST #1, FT. SCOTT, 4304-4332
Surface Location SEC 17-17S-24W, NESS CO. KS.
Field DICKMAN
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, FT. SCOTT, 4304-4332
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator GRAND MESA OPERATING CO.
Report Date 2012/02/28
Prepared By TIM VENTERS
Qualified By KENT MATSON

Start Test Date 2012/02/27
Final Test Date 2012/02/28

Start Test Time 22:22:00
Final Test Time 06:53:00

Test Recovery:

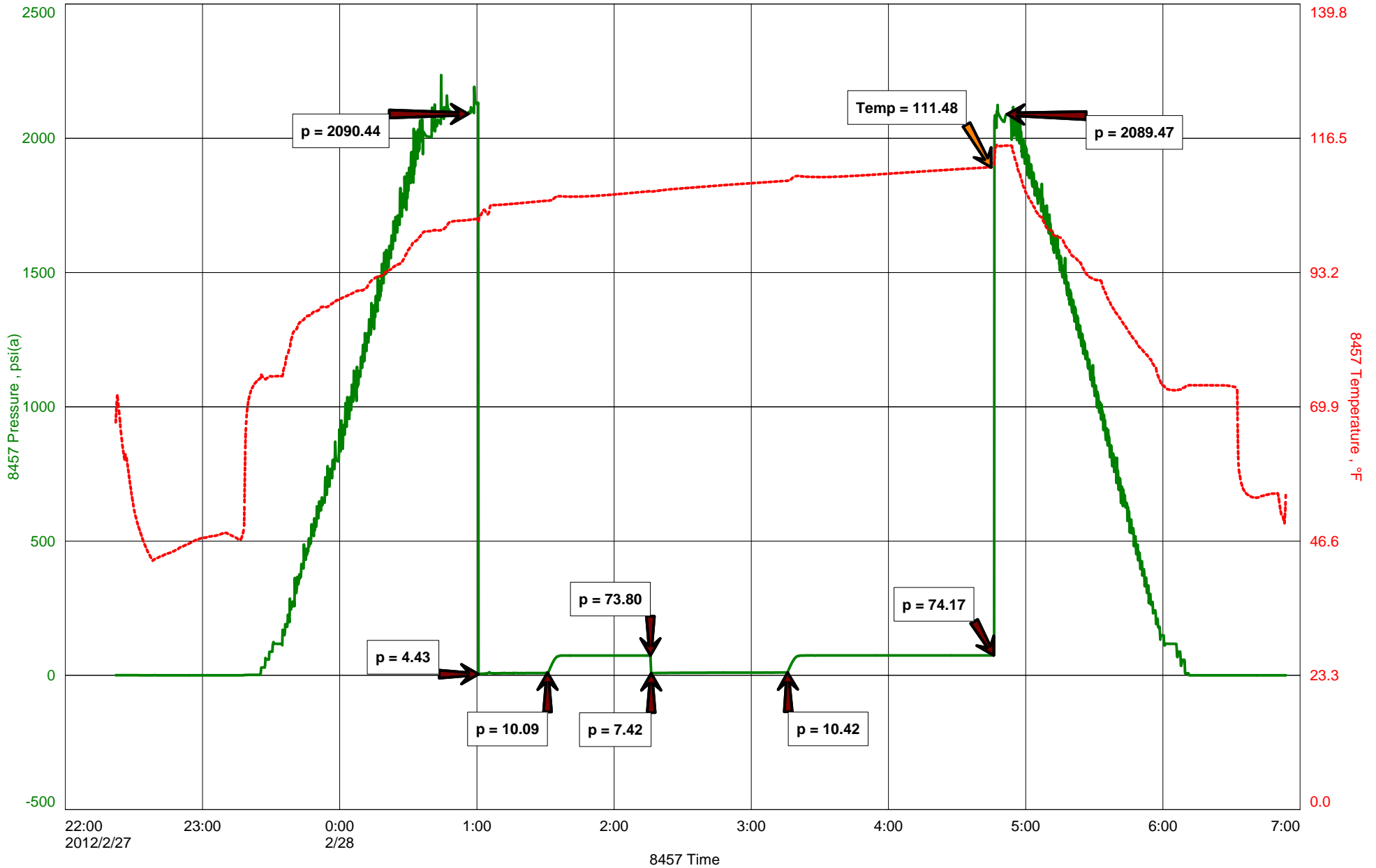
RECOVERED: 10' MUD

TOOL SAMPLE: 100% MUD

GRAND MESA OPERATING CO.
DST #1, FT. SCOTT, 4304-4332
Start Test Date: 2012/02/27
Final Test Date: 2012/02/28

DICKMAN #7-17
Formation: DST #1, FT. SCOTT, 4304-4332
Pool: DICKMAN
Job Number: T022

DICKMAN #7-17





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.

DIAMOND TESTING

General Information Report

General Information

Company Name	GRAND MESA OPERATING CO.	Representative	TIM VENTERS
Contact	RONALD SINCLAIR	Well Operator	GRAND MESA OPERATING CO.
Well Name	DICKMAN #7-17	Report Date	2012/02/29
Unique Well ID	DST #2, MISSISSIPPIAN, 4379-4423	Prepared By	TIM VENTERS
Surface Location	SEC 17-17S-24W, NESS CO. KS.	Qualified By	KENT MATSON
Field	DICKMAN		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #2, MISSISSIPPIAN, 4379-4423		
Well Fluid Type	01 Oil		
Start Test Date	2012/02/28	Start Test Time	19:24:00
Final Test Date	2012/02/29	Final Test Time	04:31:00

Test Recovery:

RECOVERED: 120' GAS IN PIPE
135' CLEAN OIL, 100% OIL GRAVITY: 35
65' HMCO, 60% OIL, 40% MUD
120' G, VHOCM, 13% GAS, 42% OIL, 45% MUD
120' G, O&WCM, 13% GAS, 16% OIL, 26% WATER, 45% MUD

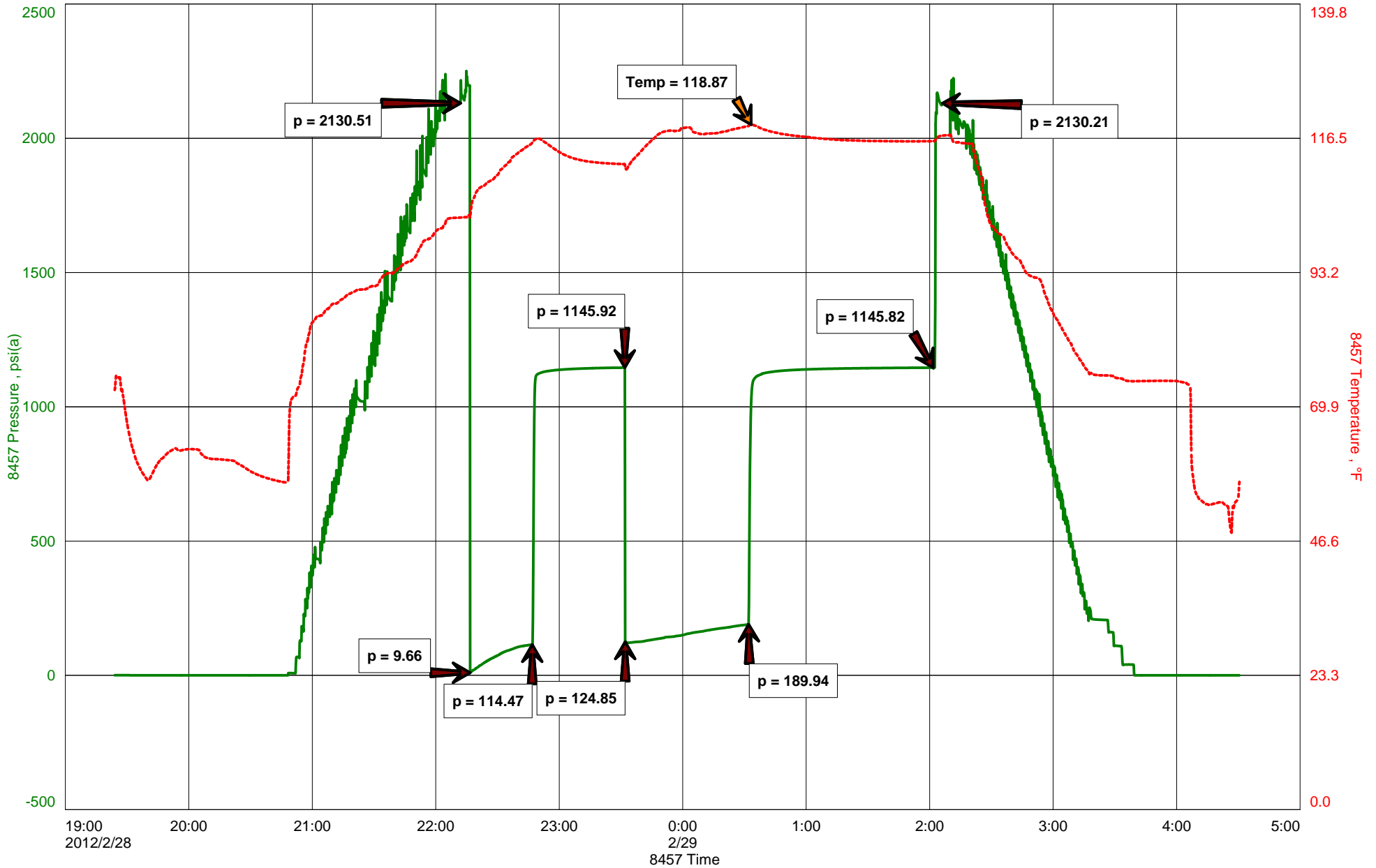
TOOL SAMPLE: 42% OIL, 25% WATER, 33% MUD

CHLORIDES: 11,000 ppm
PH: 7.0
RW: .44 @ 78 deg.

GRAND MESA OPERATING CO.
DST #2, MISSISSIPPIAN, 4379-4423
Start Test Date: 2012/02/28
Final Test Date: 2012/02/29

DICKMAN #7-17
Formation: DST #2, MISSISSIPPIAN, 4379-4423
Pool: DICKMAN
Job Number: T023

DICKSON #7-17





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

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.

DIAMOND TESTING

General Information Report

General Information

Company Name	GRAND MESA OPERATING CO.	Representative	TIM VENTERS
Contact	RONALD SINCLAIR	Well Operator	GRAND MESA OPERATING CO.
Well Name	DICKMAN #7-17	Report Date	2012/02/29
Unique Well ID	DST #3, MISSISSIPPIAN, 4421-4433	Prepared By	TIM VENTERS
Surface Location	SEC 17-17S-24W, NESS CO. KS.	Qualified By	KENT MATSON
Field	DICKMAN		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #3, MISSISSIPPIAN, 4421-4433		
Well Fluid Type	01 Oil		
Start Test Date	2012/02/29	Start Test Time	12:12:00
Final Test Date	2012/02/29	Final Test Time	20:44:00

Test Recovery:

RECOVERED: 150' GAS IN PIPE
480' GO, 4% GAS, 96% OIL, GRAVITY: 35
65' G, SW&MCO, 16% GAS, 70% OIL, 13% WATER, 1% MUD
190' G, VHOSMCW, 20% GAS, 35% OIL, 37% WATER, 8% MUD
430' G, SO&MCW, 1% GAS, 4% OIL, 88% WATER, 7% MUD

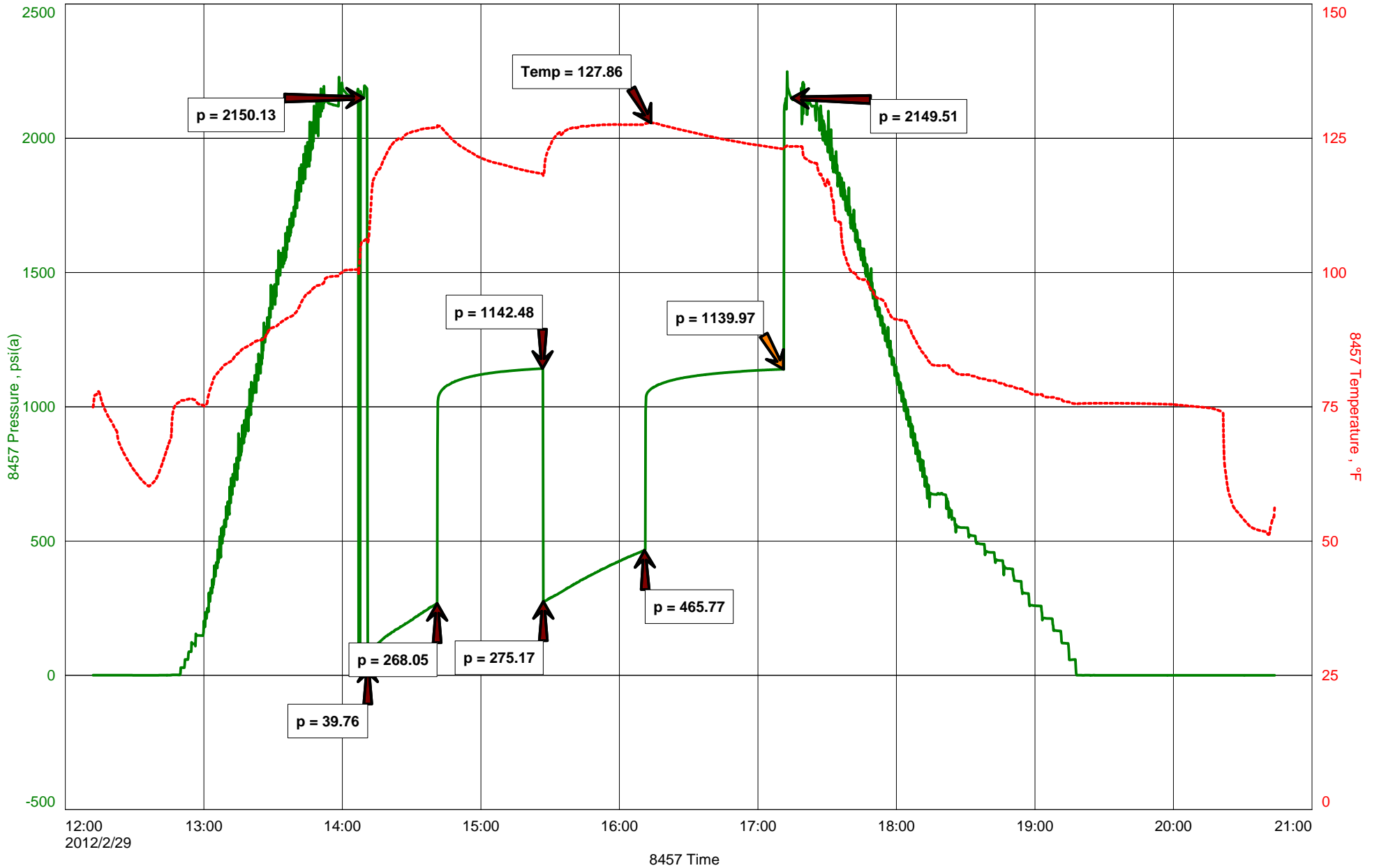
TOOL SAMPLE: 98% OIL, 2% MUD

CHLORIDES: 18,000 ppm
PH: 7.0
RW: .38 @ 70 deg.

GRAND MESA OPERATING CO.
DST #3, MISSISSIPPIAN, 4421-4433
Start Test Date: 2012/02/29
Final Test Date: 2012/02/29

DICKMAN #7-17
Formation: DST #3, MISSISSIPPIAN, 4421-4433
Pool: DICKMAN
Job Number: T024

DICKMAN #7-17





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

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.

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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

April 12, 2012

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

Re: ACO1
API 15-135-25361-00-00
DICKMAN 7-17
NW/4 Sec.17-17S-24W
Ness 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