



KANSAS CORPORATION COMMISSION 1059804
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9855
Name: Grand Mesa Operating Company
Address 1: 1700 N WATERFRONT PKWY BLDG 600
Address 2: _____
City: WICHITA State: KS Zip: 67206 + 5514
Contact Person: Ronald N. Sinclair
Phone: (316) 265-3000
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Robert Schrieber
Purchaser: None

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>06/24/2011</u>	<u>07/03/2011</u>	<u>07/03/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-109-21012-00-00
Spot Description: 478' FNL & 357' FEL
SW NE NE NE Sec. 34 Twp. 12 S. R. 32 East West
478 Feet from North / South Line of Section
357 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Logan
Lease Name: Dale Well #: 2-34
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2990 Kelly Bushing: 2995
Total Depth: 4730 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 222 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 cmf.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 18000 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Gerrico Date: 07/20/2011



1059804

Operator Name: Grand Mesa Operating Company Lease Name: Dale Well #: 2-34
 Sec. 34 Twp. 12 S. R. 32 East West County: Logan

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: CPDCN Microresistivity Log AI Shallow Focused Elect Log Microresistivity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	222	Common	165	3% CC; 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD <input checked="" type="checkbox"/> Plug Off Zone	0-4730	60/40 Pozmix	220	4% Gel, 1/4#sx Flocele

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	
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 (Explain) _____	
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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	Dale 2-34
Doc ID	1059804

Tops

Bs/Stone Corral	2531	+464
Heebner	3982	-987
Lansing	4028	-1033
Muncie Creek	4171	-1176
Stark	4256	-1261
Hushpuckney	4292	-1297
Marmaton	4356	-1361
Little Osage	4484	-1489
Morrow	4608	-1613
Mississippian	4647	-1652
LTD	4728	

ALLIED CEMENTING CO., LLC. 040904

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

SERVICE POINT: Dakley KS

DATE <u>7-2-11</u>	SEC <u>34</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30am</u>	JOB FINISH <u>5:00pm</u>
LEASE <u>Dale</u>		WELL # <u>2-34</u>		LOCATION <u>Dakley 105-SW into</u>		COUNTY <u>Hogan</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Murfin #24

TYPE OF JOB PT-4

HOLE SIZE 2 7/8 I.D. 4 7/8

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2520

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 32.28 bbl

OWNER same

CEMENT AMOUNT ORDERED 220 sks 60/90 4/90

1/4 # flo-seal

EQUIPMENT

PUMP TRUCK # 431 CEMENTER Lakone HELPER Darren

BULK TRUCK # 404 DRIVER Earl

BULK TRUCK # _____ DRIVER _____

COMMON	<u>132sk @ 16.25</u>	<u>2145.00</u>
POZMIX	<u>86sk @ 8.50</u>	<u>728.00</u>
GEL	<u>8sk @ 21.25</u>	<u>170.00</u>
CHLORIDE	@	
ASC	@	
<u>Flo-seal 55#</u>	<u>@ 2.20</u>	<u>190.50</u>
HANDLING <u>230 sks</u>	<u>@ 2.25</u>	<u>517.50</u>
MILEAGE <u>118 sk/mile</u>		<u>253.00</u>
TOTAL		<u>3982.00</u>

REMARKS:

Mix 25 sks at 2520'

Mix 100 sks at 1390'

Mix 40 sks at 275'

Mix 10 sks at 40'

plug manhole 15 sks

plug Rathole 30 sks

Thank you

CHARGE TO: Grand Mesa

SERVICE

DEPTH OF JOB	<u>2520'</u>	
PUMP TRUCK CHARGE		<u>1820.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>10x2</u>	<u>@ 7.00</u>	<u>140.00</u>
MANIFOLD <u>light vehicle</u>	<u>@ 4.00</u>	<u>80.00</u>
TOTAL		<u>1420.00</u>

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Top wooden plug</u>	@	<u>92.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>92.00</u>

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 _____

DISCOUNT _____ IF PAID IN 30 DAYS _____

PRINTED NAME Anthony Martin

SIGNATURE Anthony Martin

GRAND MESA

OPERATING COMPANY

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

1700 N. WATERFRONT PARKWAY
BLOC, 600
WICHITA, KANSAS 67208-6514

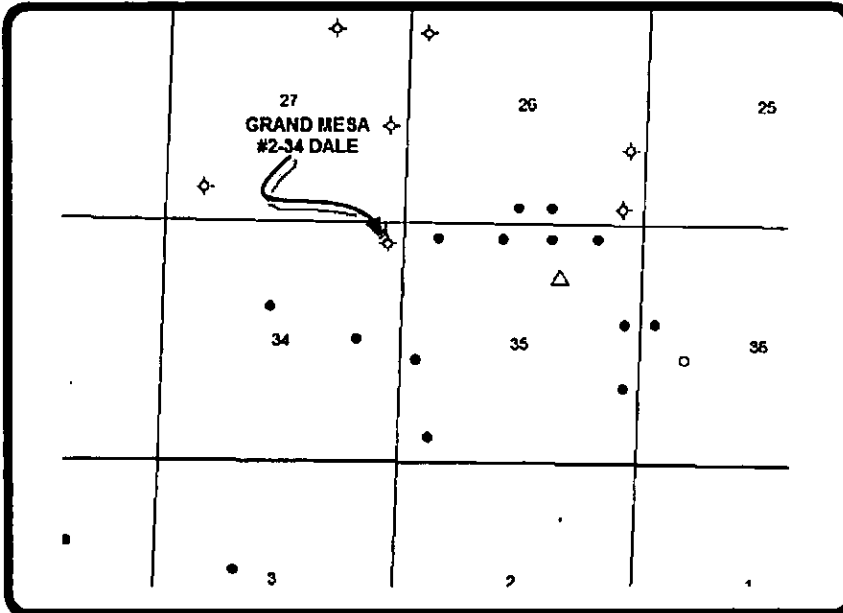
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Dale #2-34
Location: 478' FNL, 357' FEL, 34-12s-32w, Logan County, Kansas
License Number: API: 15-109-21012 Region: Logan County
Spud Date: 06/24/2011 Drilling Completed: 07/02/2011
Surface Coordinates: Lat: 38.9734112
Long: -100.851968
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 2990' K.B. Elevation (ft): 2995'
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4730'
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: Robert "Bob" Schrieber and Kent R. Matson
Company: Independent
Address: B. Schrieber
Beaver, KS

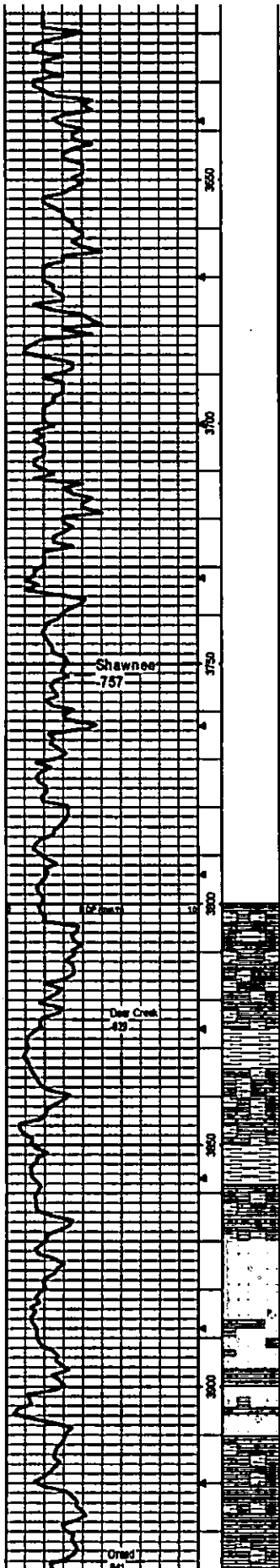


COMMENTS

Contractor: Murfin Drilling Company Rig #24
Pusher: Tony Martin
Surface Casing: 8 5/8" set at 222' w/165sx
Production Casing: Not set.
Mud by: MudCo
DST's by: Superior Testing
Logs by: Weatherford (DL, CN-CD, ML)
RTD=4730'
LTD=4728'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Stone Corral	2507'	+488	2508'	+489
B/Stone Corral	2531'	+484	2531'	+484



ROP Data begins @ 3816'

Shawnee Check @ 3800'
 04/27/12 3:04 PM
 wt via pH - 0.8
 0.7 GA 10.0 1000
 7.0 LCM
 7.0 X

Samples start at 3800'

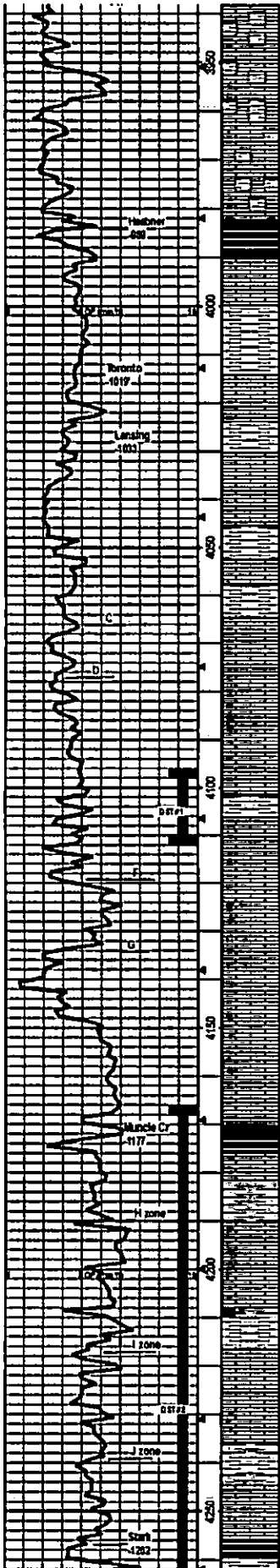
Cutting samples start at 3800'

- LS-buff to lt brn, hrd w/soft chalky pcs, some med gry SH, xtl w/fose-brac crin & ool, srt xtl and pinpt por, no odr, no flor, ns.
- LS-white to lt brn w/some dk gry streaks, hrd w/less soft chalky pcs, some med gry and grn SH, xtl, w/fose-brac crin, no vs por, no odr, no flor, ns.
- LS-white to buff, hrd, min soft chalky pcs, some med to dk gry SH, xtl, fose frag, no vs por, no odr, no flor, ns.
- LS-buff to lt brn w/some gry, hrd, min soft chalky pcs, some med to dk gry SH w/ptyria, xtl, some sdy pcs, min fose frags, srt xtl por, no odr, no flor, ns.
- LS-buff w/in lt brn, hrd w/increase in soft white chalky pcs, min med-gry SH, xtl, fose-crin and frags, some xtl por, no odr, no flor, ns.
- LS-buff to lt brn, hrd w/some soft white chalky pcs, min med-dk gry SH, xtl, fose-crin and frags, some xtl to vsq por, no odr, no flor, ns.
- LS-buff to lt brn, hrd w/in soft white chalky pcs, min med-dk gry SH, some ss pcs w/4 grn ss, some brcc fose, some frac and pinpt and xtl vsq por, no odr, no flor, ns.
- LS-buff to lt brn, hrd, increase in soft white chalky pcs, min med-dk gry SH, xtl, fose-brac ool and frags, some xtl and pinpt por, no odr, no flor, ns.
- SS-gry, w/4 grn, med, some LS pcs buff to lt brn hrd, min soft white chalky pcs, med-dk gry and blk SH w/ptyria, frac and intergranular por, no odr, no flor, ns.
- Same as above.
- SS-buff to brn and gry, w/4 grn, ss, some LS pcs buff to lt brn hrd, med-dk gry and blk, frac and intergranular por, no odr, no flor, ns.
- LS-buff and gry, hrd w/some white chalky pcs, med gry SH, xtl, fose frags, some w/4 w/some med grn SS, no vs por in LS, no odr, no flor, ns.
- LS-buff and gry, hrd w/some white chalky pcs, min white chalky pcs, med-dk gry SH, xtl, fose frags and bracc, some buff SS w/4 grn ss, no vs por in LS, no odr, srt flor, ns.
- LS-buff w/some lt brn, min med-dk gry SH, xtl, fose-crin fose ool and frags, some frac inter and pinpt por, no odr, no flor, ns.

Shawnee
757

Daw Creek
429

Orled
841



LS-buff, sh, hard wh in white cherty pec, blue and green SH, in ls interst por, no odr, no flux, no.

LS-buff, sh, hard wh in white cherty pec, in ls med gry and green SH, interst por, no odr, no flux, no.

Sh-blk, sil ind, sil-med flss, carb

LS-bl br, hd, microsh, sil frd tr ss fom, NS

Sh-gy, med ind, sil ip, grs to sil arg sil vln grn med ind, NS

LS-crm-off wh-br in, hd-med hd, w sil, vln-in ip xh, sil fom ip tr sil frd, no pec sil chry, tr ga blk, NS w/Ls-off wh sil, vchly NS

SH-gy-sil dkz gr, med ind, sil blk

LS-crm-off wh, med hd-hd, vln sil, sil secn, grd off wh, sil str med chly, NS

LS-crm-bl br, med hd-hd, vln sil, v secn, cool ip, sil fom, tr pr interst por, pr grd sil chly NS

SH-dk gy-gy-br blk, med ind, sil blk

LS-bl br, hd-med hd ip, microsh, med flss ip, grd off wh, sil sil es od chly nos flss NS

SH-gy-gr, med ind, sil wzy

LS-crm-off wh ip, hd-dk ip, vln sil, tr secn, sil flss, sil chly ip, NS

LS-bl br, hd, sil xh, med flss ip, cool ip, grd crm sil, sil chly ip, med in cool, grs, no pec pr interst-vug por NS

LS-crm, med hd-hd, vln-in sil, sil chly ip, sil flss, med in med secn, NS

LS-crm-med hd-hd ip-br sil, vln sil, sil ip ip, flss ip, sil frd, tr secn, tr-ame pr tr vug-sil flss sil ip ip, tr sil, sil-tr odr, sil sil med br or, no sil odd sil br or

LS-crm-dk br or off wh, med hd-hd ip, tr sil, tr secn, sil cool sil fom, no pec sil odd, no pec tr vug-sil flss sil ip ip, tr-ame pr cool por, sil flss ip ip, tr sil, tr sil, no pec sil, sil-tr odr, med dkz br or, no pec sil odd sil or

LS-vln br-crm ip, hd-br sil, vln-in ip sil, tr frd tr flss, secn ip, sil chly ip, NS

LS-crm-bl br, med hd-br-hd-tr sil, vln-in ip xh, grd sil ip-chry ip, sil whtr, sil flss, tr cool, tr-ame pr vug-coast por NS

LS-crm-off wh, med hd-hd ip, in sil, sil secn, sil cool ip, tr flss, sil ip, grd med chly ip, sil NS

SH-br-gy-gy, med ind, w some dkz gy-blk, sil med ind, sil flss ip, sil carb ip

SH-blk, sil ind, sil-med flss, carb ip

LS-br-bl br, hd-dk-tr med hd, microsh-vln sil, flss ip, tr sil frd, NS

SH-gy-tr gr, med ind, blk

LS-crm-br br ip, hd, vln sil, flss ip, tr ind ppt, NS

LS-crm, hd, vln sil, flss ip, grd to off wh, sil, in sil, chly in, NS

Sh-gy-dkz gy, med sil ind, sil blk

LS-off wh-crm, med hd-hd ip, vln-in ip sil, med in cool ip, sil fom, prd tr interst por, no pec sil sil, sil iply-tr pr sil so sil odd-dkz res sil or, vln med-dkz br or, ind odr

LS-crm-off wh, med hd, in sil, v sil chly, cool ip, grd crm ind br, hd, vln sil in, NS

SH-gy-rsly br, med ind sil blk

LS-crm-br gr med ip, med hd-hd ip, vln sil, cool ip, tr sil chly, tr secn, no pec iply sil-tr odr, some pr cool, sil, sil odd ip, odd-sil odd sil br vln sil-tr odr

SH-blk, sil-med ind, sil flss, carb

CFS @ 412P
20760

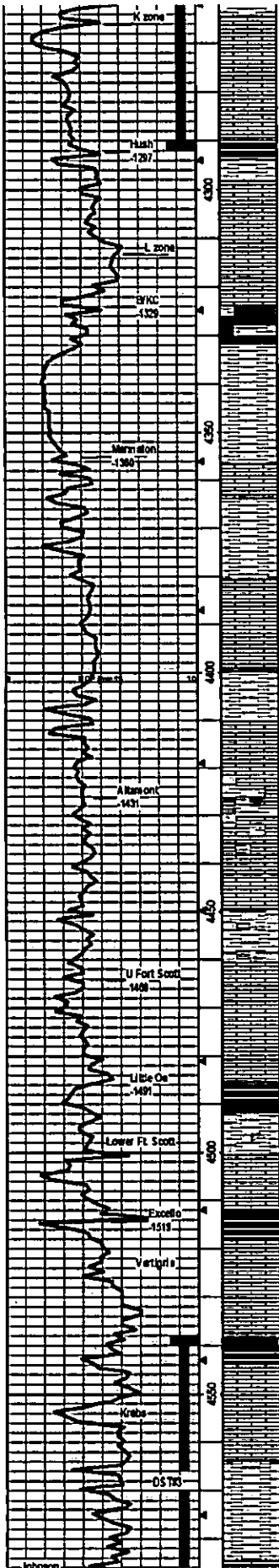
Master Check @ 411P
942811 03 00 00
0.3 04 0.3 2000
7M LCM
2.0 3

CFS @ 411P 30760
DST 14098-4111
30453030
1st: Initial weak blow
built to 12"
2nd: no blow,
Rac: 9' OCM,
IFP: 37-418,
ISIP: 10508,
FFP: 43-408,
FSP: 10538.

CFS @ 412P 20760

DST 24165-4282
30453030
1st: wh bl bid 3/4"
2nd: wh bl bid
Rac: 07' 8"
IFP: 100-114
FFP: 148-428
SIP: 1217-10018
HP: 2182-21048

Master Check @ 436P
942811 03 00 00
0.3 04 0.3 2000
7M LCM
2.0 3



LS-cm - tm, mott dk gy, md hd - trstr-r hd, vfn-fn xln, ool & foam lp, pr intr prtd - vug por, v prt mtl-sal, v-al gd odr, waste, tr str cut, tr fr flo

LS-cm - int ln lp, md hd-hd lp, tr str, chly ip, sll fow, sl ool lp, waste, tr str

SH-blk, all ind, all carb

LS-br-ft lr, hd, vfn xln, sl fbsa NS

LS-ft br -cm - int gy ip, md hd-hd, vfn-fn lp xln, foam lp, tr ool, wall chly ip, tr secin NS

LS-cm - ft br, hd - md hd, vfn - md cross, tr f fbsa, tr sl chly, grd mod dol lp, cm-4nt br, frul n, NS

SH-gy dk gy - lg gy wnt gr, mod ind, mat dub bily

SH-rsy - int br - tr - m-ft gr ip, mod - all ind, slly - andy lp, w/ some dk gy sh, w/ some ls-cm - int rsy, md hd - ft, ln xln, ln ool, NS

SH-rsy/br lr ip, sl - mod ind, slly/ andy lp, w/ ls - mtr - tr rsy/ pale rd, md hd, vfn xln NS

LS-cm - ft br lp, hd - md hd, vfn xln, tr ool, foam lp, tr all chly NS

LS-cm - off wh lp, md hd - hd - ft str, vfn-fn xln sl fbsa, vial gry ip, tr fosa, tr ga bbl, no odr, NS

LS-cm - lp - ln, hd - md hd lp, vfn xln, h - md secin lp, int lp, tr all fosa NS w/ some sh-gy-ft gr - ft gr, sl - mod ind, slly lp, sl way

LS - ln - cm, hd - md hd, vfn xln, tr secin lp, foam lp, tr frct NS

LS-cm - off wh, md hd-hd lp - ft str, fn xln, sl chly-chly lp, v sl fosa, tr slly, NS w/ some sh-rsy - rsy bc pale lp, all ind, str wnt way lp

LS-cm - tan w/ some ft gry, hrd bily brittle tan, cryp-xln, some ft gry green SH pcs, no vis por, no odr.

No sample collected.

LS-cm - tan w/ some ft med gry, hrd bily brittle tan, cryp-xln, sl-chly, some ft gry green SH pcs, no vis por, no odr.

LS-cm - tan, some ft med gry, hrd brittle tan w/ some white chly ool pcs, cryp-xln, some blk gry and green SH pcs, no vis por, no odr.

LS-cm - tan w/ some ft gry pcs, hrd, cryp-xln, no vis por, no odr.

SH-med brn w/ some green mottling, some red brn and dk gry pcs, soft, fissile, some tan LS pcs cm-4nt hard cryp-xln.

LS-cm - to blk gryish brn, cryp to ln xln, some pcs w/ fosa crin and frags, some med brn red green and gray SH pcs, no vis por.

LS-cm - to med gryish brn, cryp to ln xln, some chert pcs, some pcs w/ fosa brac ool and frags, some blk med gry and green shale pcs, no vis por.

LS-cm - to tan, cryp to ln xln, some chert pcs, some pcs w/ fosa frags, some ft med gry and green SH pcs, no vis por.

SH-blk-dk gy, sl ind, sl fba, carb lp

SH-med to dk gry and med green, soft, fissile.

LS-cm - off wh, md hd-hd - ft str, vfn-fn xln, sl chly-ft mod, sl ool lp, wall wntd lp, tr pr oolst-vug por, 1 pc sh & fly ool, NSFO, no odr

SH-blk, all-mod ind, all bily - all fba,

LS-ft br - br, hd dns, md crn xln, NS

LS-cm - off wh lp, hd - md hd lp, fn xln, all wntd, tr all fosa, tr secin, NS

LS-ft br - cm - int gy, md hd - hd, vfn xln, smew od - vool lp, tr all ft, NS

SH-blk, all-mod ind, all carb

LS-cm - int br - int gy, hd, md crn - vfn xln, tr ln imbd py, tr pr vug por, 2 pc prt sh, no odr, tr sl dd-dd o dibr - blk o, ? waste - all ddo

LS-cm - off wh lp, hd - ft str, vfn-fn lp xln, all frct, sl fosa lp, NS

SH-gy - dk gy, mod ind, sl way lp w/ some ls - cm - int gy, hd - md hd, vfn xln, tr ool, tr frd, sl apry lp, tr all fosa, NS

SH-ft gr - gr - int gr, all mod ind, tr all fosa

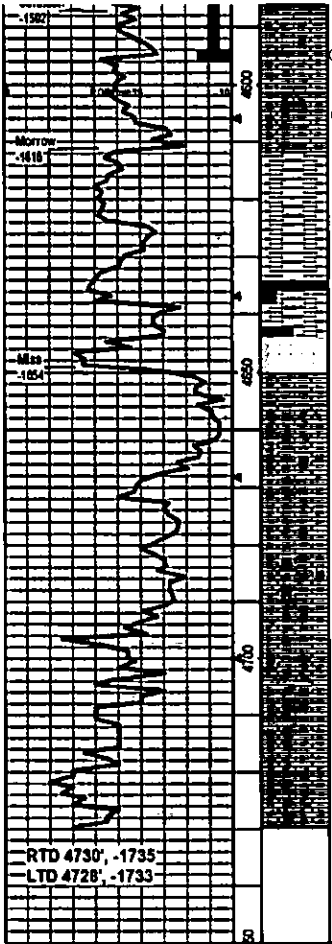
LS-ft br - br lp, hd - md hd lp, vfn xln, fosa lp, tr secin, tr pr -

Clr @ 4297 Clr 1 hr back on bottom

Madison Check @ 4320'
04201113 Dec
wt vis pH ch
9.3 69 16.0 3400
FM LCM
8 8 1

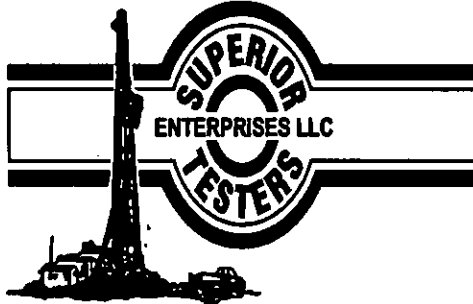
DST 314537-4595
30/45/50/30
1st: wk blw bld 1/4"
2nd: no blw
Rec: F OCMA
IFP 60-639
FFP 63-658
SIP 138-838
HP 2334-22678

Madison Check @ 4544'
07201113 Dec
wt vis pH ch
9.3 69 16.0 2700
FM LCM
8 8 1



forecast-vug por, v anprt met trgd to, v gd cut trdd o, v sfo dk br o,
 ss all ddo dk br -dk o
 LS - crm - br, md hd -hd, vln-th lp, v ool, grd off wh-crm, str, sl-
 mod chly lp, all trcl, 1-2 pct blk-dk br all dd-dd o, NSFO, no odr
 SH - pale oliv gr- gy lp, sl-mod ind, sl wxy, v fba
 wtr as off wh, fn grn, NS
 SH - pale gy-lp - mod yel, mod-all ind, blk, sl wxy, fba, all fn grn
 andy, w/ some ss- rn-epq, fmod l, fn grn, sl vln-th py/lp, NS,
 w/ some ls-lt br, vln-th, v fba, 1 pc edge sh Yabv
 SH - gy - br gr-lt gr, sl-mod ind, tr sty, andy lp, v glauc, w/ 3-5% vln
 loose grns, wtr SS - crm, grad shabv NS
 SH - dkrgy-bk, sl-mod lp ind, fn lp, sl mlc, v fba wtr
 ss-crm, vln grn, NS
 SS - off wh - epq, sl-mod lt, fn grn, qtz lp, tr pyr NS w/ 20-30% loose
 grns- wln-th grn, sbrmd, epq- fba, no sh
 LS - br - lt br, hd dna, fn- vln-th, all fba, v ool, tr mbd pyr, NS
 LS - crm - br br, hd - tr hd, vln-th, mod ool lp, sl andy lp tr glauc, NS,
 w/ some sh- dk gy-bk, all phyl-ls wxy
 LS - vln br hd, vln-th, ool lp, sl andy grd crm - off wh, str lp, sl- v
 mod chly, andy lp, sl ool, NS
 LS - crm - lt br, hd, vln - fn-th, ool trendy v all chly, NS wtr
 chrt-epq - br omg, msly frsh NS
 LS - lt br - crm, hd - md hd lp, vln-th lp str, ool lp, NS wtr
 chrt-epq - mod omg, frsh, v fba, NS
 LS - lt br - br, hd - md hd lp, vln - fn-th, mod vool lp, v all andy lp tr ga
 bbl, grd to lt br - br md hd -hd lp tr prty conrd ool lp fba/ fba, tr
 pr interpreted por, NS
 LS - lt br - br, hd md hd lp, vln-th sl-mod ool, fr-mod ool, fba lp,
 grd crm - off wh str, sl - mod chly lp, ool, 1-2 pct 77 prt lt str, no cut
 no odr, v gs bbl, NS
 LS - lt br - br lp, md hd - hd lp, fn-th, v ool mod fba sl - fr mod dol,
 tr ga bbl, NSO
 wh, str chly, LS, NS
 wtr gy-rlty sh

CFS @ 4287 Cr 1 hr
 back on bottom
 Station Check @ 4707'
 4702 2117 5/8 m
 wt vln 94 CM
 9.3 83 14.8 27.0
 9 m LCM
 5.8 T
 Cr 1 hr



DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Inc**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514

ATTN: Steve Striebling

34/12S/32W/Gove

Dale 2-34

Start Date: 2011.06.28 @ 08:53:00

End Date: 2011.06.28 @ 14:46:30

Job Ticket #: 16592 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.06.30 @ 09:05:18

Grand Mesa Operating Inc

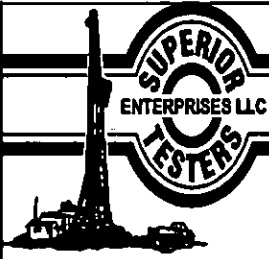
Date 2-34

34/12S/32W/Gove

DST # 1

Lansing Zone D,E

2011.06.28



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Date 2-34

1700 N Waterfront Parkw ay
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

GENERAL INFORMATION:

Formation: **Lansing Zone D,E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:30

Time Test Ended: 14:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: 4096.00 ft (KB) To 4111.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4111.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6748

Outside

Press@RunDepth: 49.32 psig @ 4108.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.06.28

End Date: 2011.06.28

Last Calib.: 2011.06.28

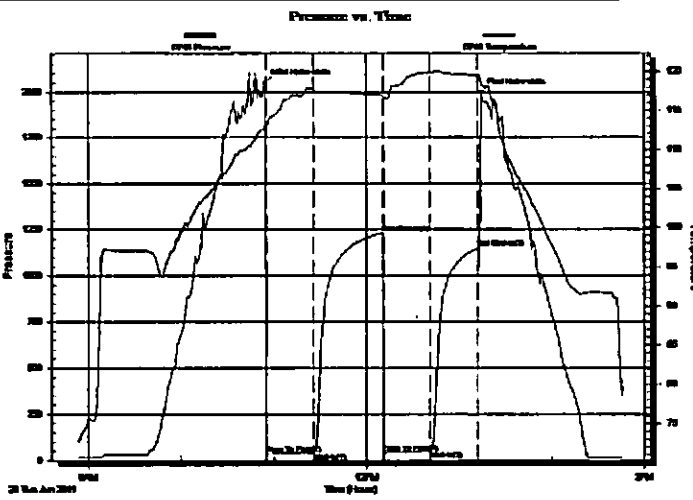
Start Time: 08:54:00

End Time: 14:46:30

Time On Btrr: 2011.06.28 @ 10:54:30

Time Off Btrr: 2011.06.28 @ 13:14:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/2 inch
 1ST Shut In 45 Minutes/No Blow Back
 2ND Open 30 Minutes/No Blow
 2ND Shut In 30 Minutes/No Blow Back



PRESSURE SUMMARY

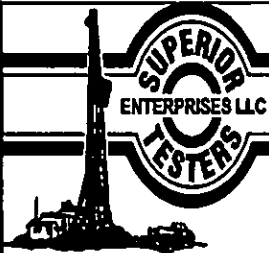
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.33	113.09	Initial Hydro-static
1	37.04	112.90	Open To Flow (1)
32	41.67	117.63	Shut-In(1)
76	1231.79	117.02	End Shut-In(1)
77	43.44	116.63	Open To Flow (2)
107	49.32	119.89	Shut-In(2)
138	1150.75	119.58	End Shut-In(2)
140	1999.21	118.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 5% Oil 95% Mud	0.02

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

GENERAL INFORMATION:

Formation: **Lansing Zone D,E**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:55:30

Time Test Ended: 14:46:30

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Ken Swinney**

Unit No: **3325 Scott City/72**

Interval: **4096.00 ft (KB) To 4111.00 ft (KB) (TVD)**

Reference Elevations: **2995.00 ft (KB)**

Total Depth: **4111.00 ft (KB) (TVD)**

2990.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **5.00 ft**

Serial #: **6749**

Inside

Press@RunDepth: **1148.57 psig @ 4107.00 ft (KB)**

Capacity: **5000.00 psig**

Start Date: **2011.06.28**

End Date: **2011.06.28**

Last Calib.: **2011.06.28**

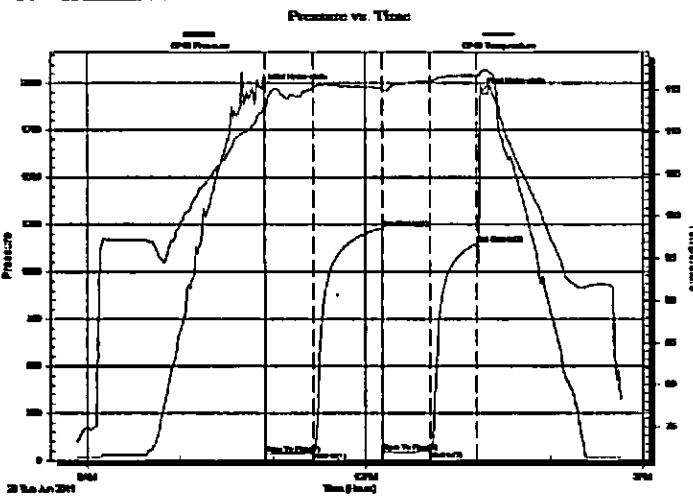
Start Time: **08:54:00**

End Time: **14:47:00**

Time On Btrr: **2011.06.28 @ 10:53:30**

Time Off Btrr: **2011.06.28 @ 13:15:30**

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/2 inch
 1ST Shut In 45 Minutes/No Blow Back
 2ND Open 30 Minutes/No Blow
 2ND Shut In 30 Minutes/No Blow Back



PRESSURE SUMMARY

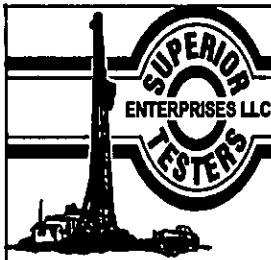
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.03	112.40	Initial Hydro-static
2	36.30	112.64	Open To Flow (1)
33	45.46	115.25	Shut-in(1)
77	1231.19	115.30	End Shut-in(1)
78	43.00	114.91	Open To Flow (2)
108	48.13	116.09	Shut-in(2)
139	1148.57	116.79	End Shut-in(2)
142	1955.21	117.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 5% Oil 95% Mud	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

Tool Information

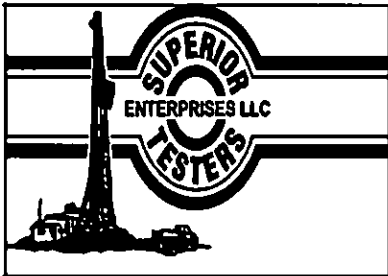
Drill Pipe:	Length: 3963.00 ft	Diameter: 3.88 inches	Volume: 57.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 58.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4096.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			4072.00	
Hydraulic tool	5.00			4077.00	
Change over sub	1.00			4078.00	
Jars	6.00			4084.00	
Safety Joint	2.00			4086.00	
Packer	5.00			4091.00	29.00 Bottom Of Top Packer
Packer	5.00			4096.00	
Anchor	10.00			4106.00	
Recorder	1.00	6749	Inside	4107.00	
Recorder	1.00	6748	Outside	4108.00	
Bullnose	3.00			4111.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Inc

Date 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 55.00 sec/qt
 Water Loss: 8.78 in³
 Resistivity: ohm.m
 Salinity: 2000.00 ppm
 Filter Cake: 1.00 inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig

Oil APt: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

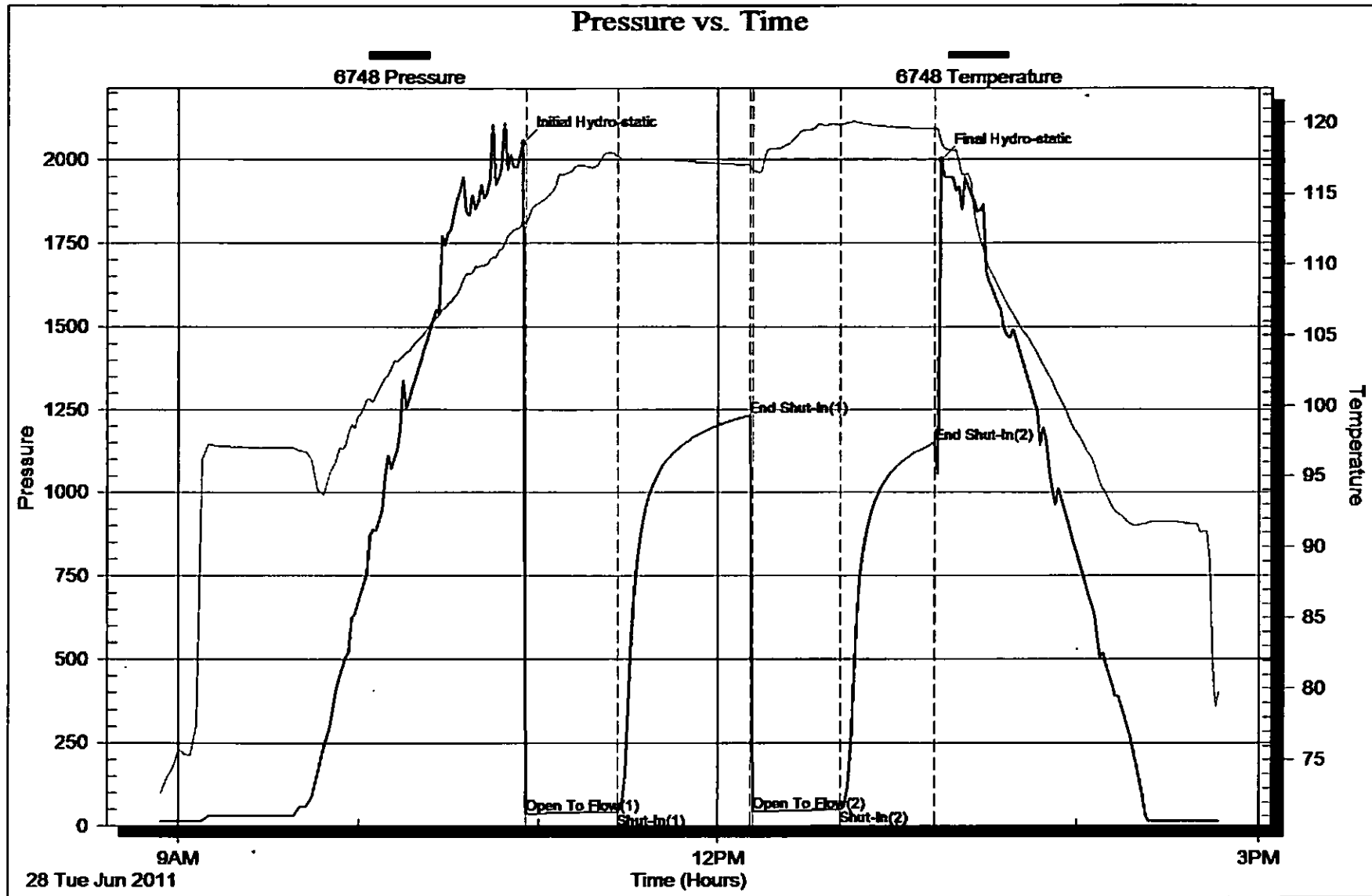
Length ft	Description	Volume bbl
5.00	Oil cut Mud 5% Oil 95% Mud	0.025

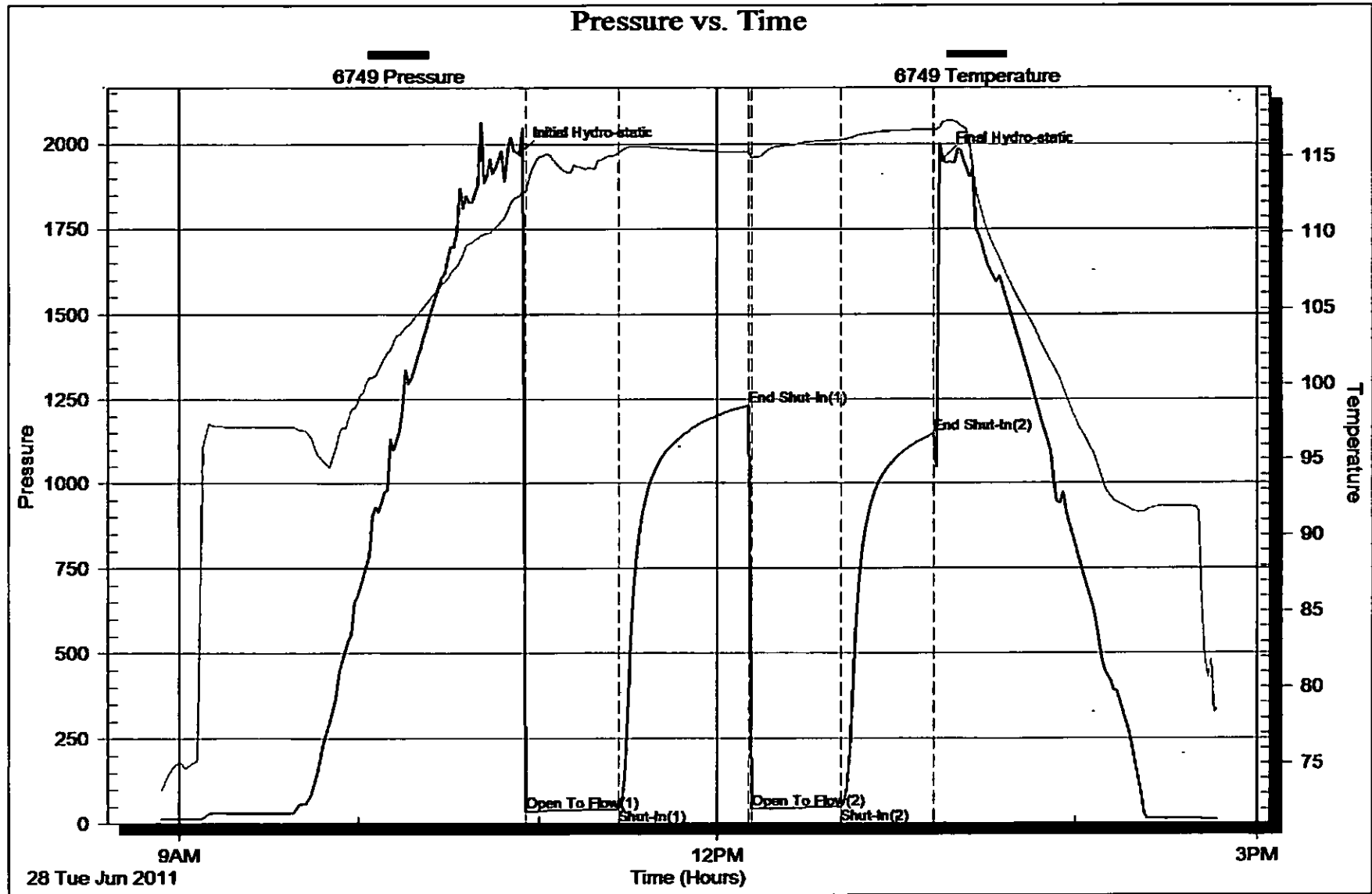
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Inc**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514

ATTN: Steve Striebling

34/12S/32W/Gove

Dale 2-34

Start Date: 2011.06.29 @ 14:20:00

End Date: 2011.06.30 @ 00:06:00

Job Ticket #: 16593 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.06.30 @ 09:26:01

Grand Mesa Operating Inc

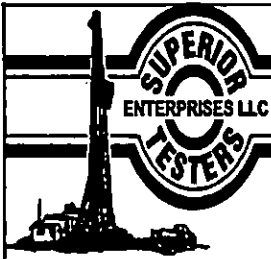
Dale 2-34

34/12S/32W/Gove

DST # 2

Lansing Zones H,I,J,

2011.06.29



DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Inc

Date 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebing

34/12S/32W/Gove

Job Ticket: 16593

DST#: 2

Test Start: 2011.06.29 @ 14:20:00

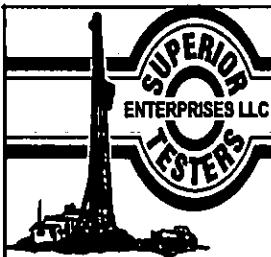
Tool Information

Drill Pipe:	Length: 4024.00 ft	Diameter: 3.88 inches	Volume: 58.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 59.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.75 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4165.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	127.10 ft			
Tool Length:	155.85 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			4141.25	
Hydraulic tool	5.00			4146.25	
Change over sub	0.75			4147.00	
Jars	6.00			4153.00	
Safety Joint	2.00			4155.00	
Packer	5.00			4160.00	28.75 Bottom Of Top Packer
Packer	5.00			4165.00	
Anchor	5.00			4170.00	
change over sub	0.75			4170.75	
drill pipe	93.60			4264.35	
change over sub	0.75			4265.10	
anchor	22.00			4287.10	
Recorder	1.00	6749	Inside	4288.10	
Recorder	1.00	6748	Outside	4289.10	
bull plug	3.00			4292.10	127.10 Bottom Packers & Anchor

Total Tool Length: 155.85



DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16593

DST#: 2

Test Start: 2011.06.29 @ 14:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APt

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud 100%	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

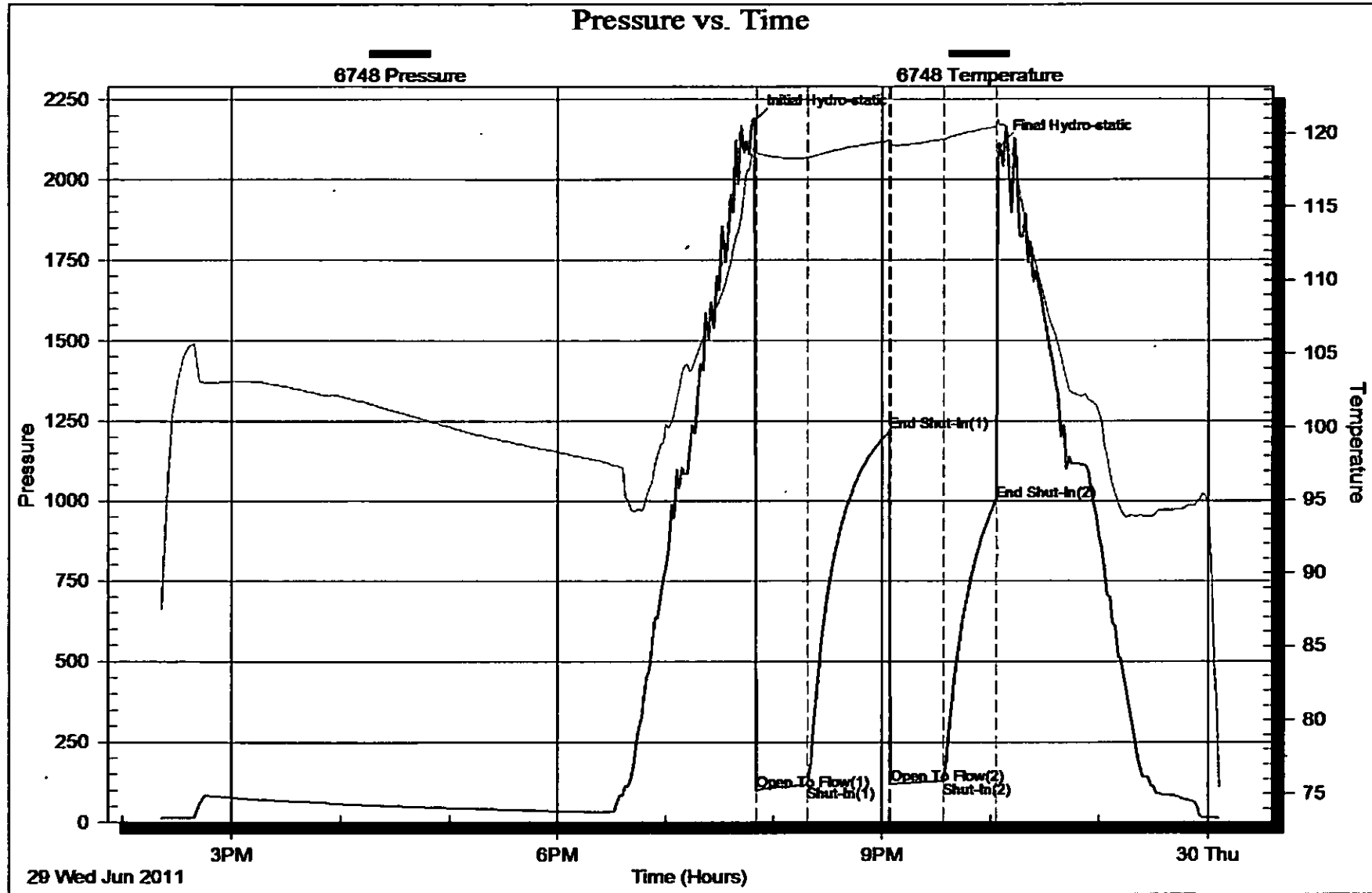
Num Gas Bombs: 0

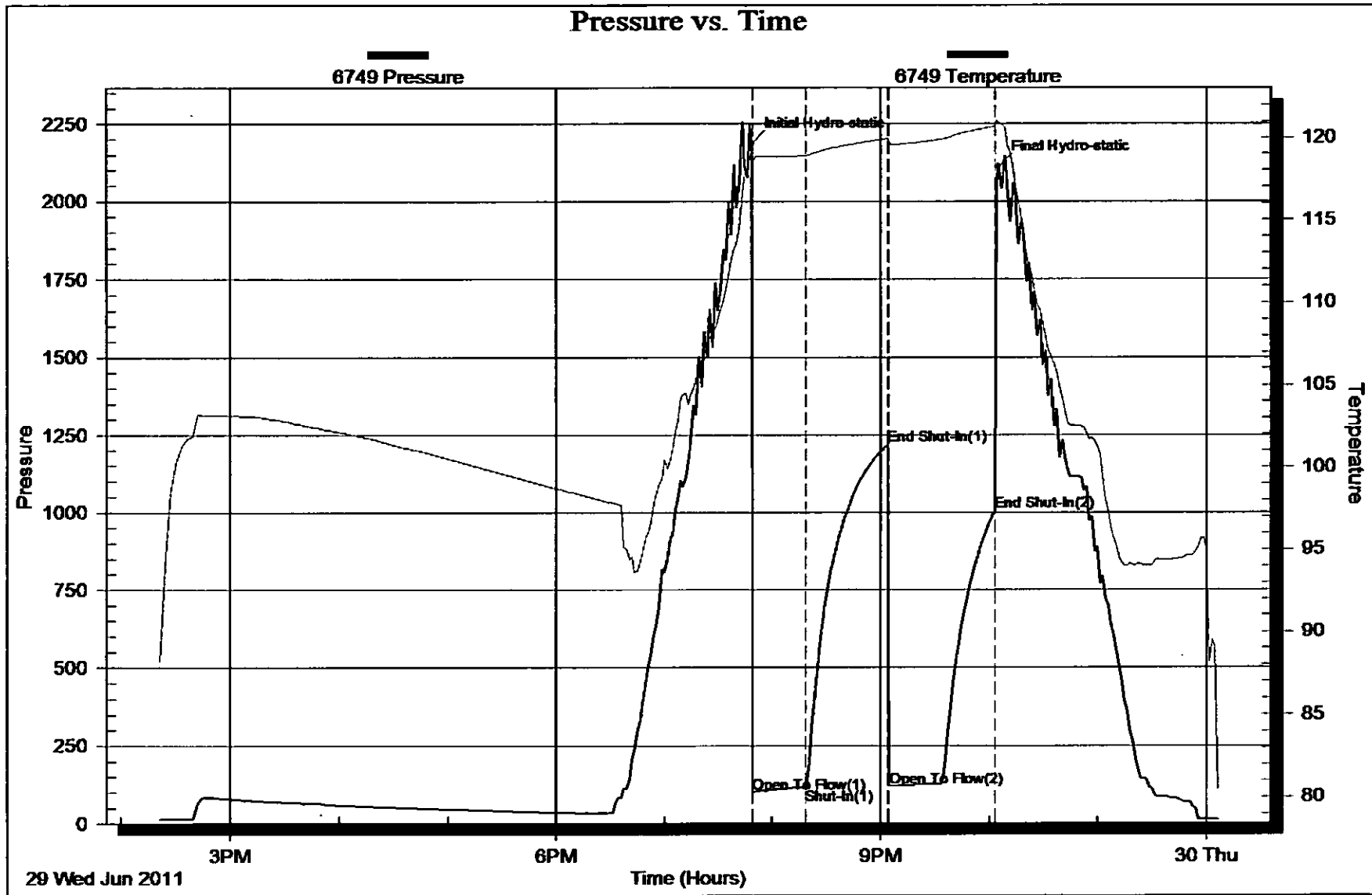
Serial #:

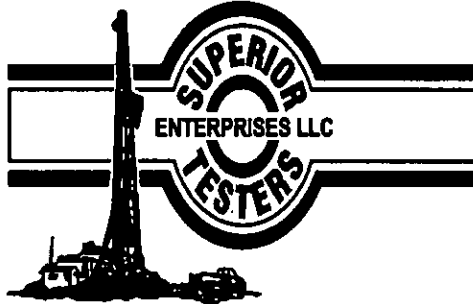
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Inc**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514

ATTN: Steve Striebling

34/12S/32W/Gove

Dale 2-34

Start Date: 2011.07.01 @ 08:52:00

End Date: 2011.07.01 @ 15:20:30

Job Ticket #: 16594 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.07.01 @ 13:21:14

Grand Mesa Operating Inc

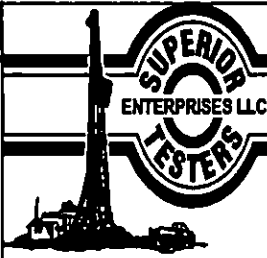
Dale 2-34

34/12S/32W/Gove

DST # 3

Upper Johnson

2011.07.01



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Date **2-34**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514
ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

GENERAL INFORMATION:

Formation: **Upper Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:30

Time Test Ended: 15:20:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: **4537.00 ft (KB) To 4595.00 ft (KB) (TVD)**

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4595.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **6749**

Inside

Press@RunDepth: 65.40 psig @ 4590.80 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.07.01

End Date: 2011.07.01

Last Calib.: 2011.07.01

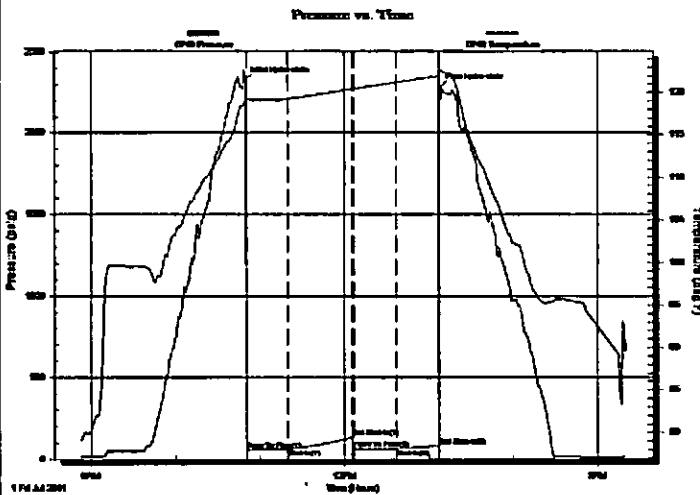
Start Time: 08:52:00

End Time: 15:20:30

Time On Btm: 2011.07.01 @ 10:49:00

Time Off Btm: 2011.07.01 @ 13:08:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch
1ST Shut In 45 Minutes/No blow back
2ND Open 30 Minutes/No blow
2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

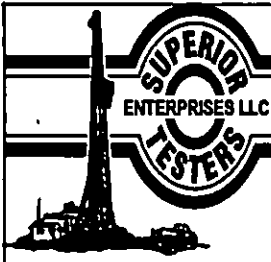
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.05	118.81	Initial Hydro-static
2	60.10	119.23	Open To Flow (1)
31	63.22	119.25	Shut-in(1)
77	134.46	120.43	End Shut-in(1)
78	64.70	120.45	Open To Flow (2)
108	65.40	121.22	Shut-in(2)
138	82.02	121.95	End Shut-in(2)
139	2282.42	122.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 10% oil 90% mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

GENERAL INFORMATION:

Formation: Upper Johnson

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:30

Time Test Ended: 15:20:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: 4537.00 ft (KB) To 4595.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4595.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6748

Outside

Press@RunDepth: 83.33 psig @ 4591.80 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.07.01 End Date: 2011.07.01

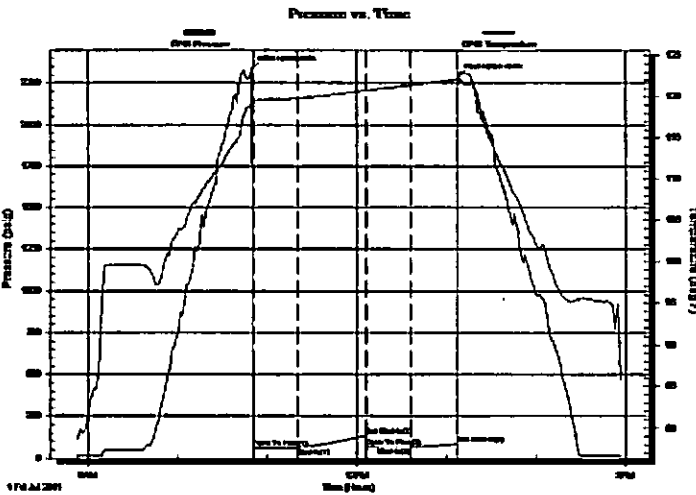
Last Calib.: 2011.07.01

Start Time: 08:52:00 End Time: 14:57:30

Time On Btm: 2011.07.01 @ 10:49:30

Time Off Btm: 2011.07.01 @ 13:08:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/No blow
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

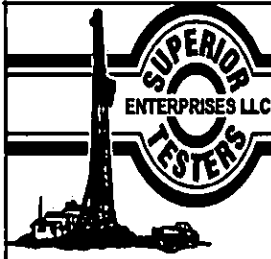
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.53	119.54	Initial Hydro-static
1	60.49	119.40	Open To Flow (1)
31	63.37	119.79	Shut-in(1)
77	136.50	120.75	End Shut-in(1)
77	65.59	120.73	Open To Flow (2)
107	65.88	121.40	Shut-in(2)
138	83.33	122.10	End Shut-in(2)
139	2287.54	122.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 10% oil 90% mud	0.02

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Inc

Date 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

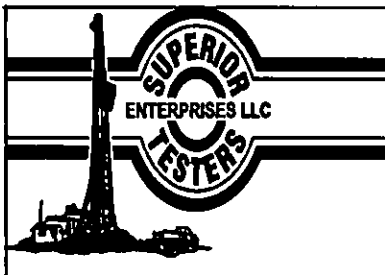
Test Start: 2011.07.01 @ 08:52:00

Tool Information

Drill Pipe:	Length: 4399.00 ft	Diameter: 3.88 inches	Volume: 64.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 64.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.75 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4537.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.80 ft			
Tool Length:	86.55 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			4513.25	
Hydraulic tool	5.00			4518.25	
Change over sub	0.75			4519.00	
Jars	6.00			4525.00	
Safety Joint	2.00			4527.00	
Packer	5.00			4532.00	28.75 Bottom Of Top Packer
Packer	5.00			4537.00	
Anchor	5.00			4542.00	
change over sub	0.75			4542.75	
drill pipe	31.30			4574.05	
change over sub	0.75			4574.80	
anchor	15.00			4589.80	
Recorder	1.00	6749	Inside	4590.80	
Recorder	1.00	6748	Outside	4591.80	
bull plug	3.00			4594.80	57.80 Bottom Packers & Anchor

Total Tool Length: 86.55



DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil cut Mud 10% oil 90% mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

