



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1207874
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
-----------------------------------	-----------------	---

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: _____

1207874

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
--	---

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
----------------	-------	---------	------------	---

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: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Burk Trust 'A' 6-23
Doc ID	1207874

All Electric Logs Run

Dual Induction
Dual Compensated
Microresistivity
Borehole Compensated

Robert L. Milford

PETROLEUM GEOLOGIST

Wichita, Kansas

Geologists' Report
Drilling Time and Sample Log

OPERATOR - Murfin Drilling Company, Inc.
LEASE - Burk Trust 'A' #6-23
LOC. SPOT - NW NE NW

ELEVATIONS
KB 3,302'
GL 3,297'

LOC. FOOTAGE 330 FNL 1,650 FWL
SEC. 23 **TWSP** 15 **RNG** 36W
COUNTY Rawlins **STATE** Kansas

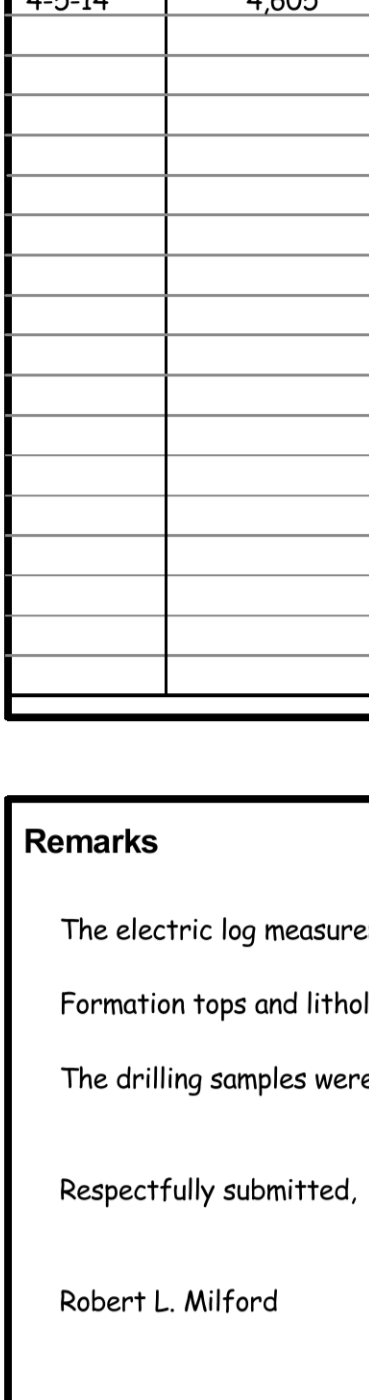
API 15-153-21000-00-00
CONTRACTOR - Murfin Drilling Co., Inc. **RIC NO.** 8
DRILLING STARTED 3-28-2014 **COMPLETED** 4-4-2014
WU/DISPLACED 3,495 **MUD TYPE** Chemical
DRILLING TIME (HRT) 3,990' **TO** RTD
SAMPLES SAVED FROM 3,990' **TO** RTD
SAMPLES EXAMINED FROM 3,990' **TO** RTD
GEOLOGICAL SUPERVISION FROM 3,990' **TO** RTD

MEASUREMENTS
CASING RECORD
Casing
Surface 8.5/6" @ 262'
Production 5.1/2" @ 460'

ELECTRICAL SURVES:
Pioneer Wirelines:
Dadl Induction Log
Dadl Compensated -

FORMATION
NAME **TOP LOG** **DATE/TIME** **TOP SAMPLE**
DATE/TIME **DATE/TIME**

Stone Corral	3,214'	+88	3,214'	+88
Base Stone Corral	3,245'	+57	3,245'	+57
Neva	3,698'	-396	3,699'	-397
Topeka	3,806'	-504	3,808'	-506
Foreaker	4,023'	-721	4,023'	-721
Oread	4,134'	-832	4,134'	-832
Lansing	4,236'	-934	4,236'	-934
Stark	4,460'	-1158	4,460'	-1158
B/KC	4,502'	-1200	4,502'	-1200
Total Depth	4,606'	-1304	4,605'	-1303



Porosity Log
Microresistivity Log
Borehole Compensated

Stone Corral 3214' (+88) EL
B/Stone Corral 3245' (+57) EL

Neve 3698' (-396) EL
Topeka 3806' (-504) EL
Foreaker 4023' (-721) EL
Oread 4134' (-832) EL
Lansing 4236' (-934) EL
Stark 4460' (-1158) EL
B/KC 4502' (-1200) EL

3214' (+88)
3245' (+57)
3698' (-396)
3806' (-504)
4023' (-721)
4134' (-832)
4236' (-934)
4460' (-1158)
4502' (-1200)
4606' (-1304)

DATE 7:00 AM DEPTH REMARKS
3-28-14 0' Spud @ 10:00 am. Plug down @ 3:00 pm. Drilled out plug @ 11:00 pm w/ PDC bit
3-29-14 1,052' Cut 1,052' in last 24 hrs; 790' in 7.25 hrs w/ PDC bit. Lost circ. @ 2792' (down 4 hrs)
3-30-14 3,170' Cut 2,118' in last 24 hrs; 18,25 hrs drlg. Bit trip @ 3582' (ran button bit)
3-31-14 3,785' Cut 615' in last 24 hrs; 15,75 hrs drlg.
4-1-14 4,250' Cut 465' in last 24 hrs; 21.5 hrs drlg. DST #1 @ 4255'. DST #2 @ 4310'
4-2-14 4,310' Cut 60' in last 24 hrs; 2,75 hrs drlg. DST #3 @ 4370'
4-3-14 4,370' Cut 60' in last 24 hrs; 2,5 hrs drlg. DST #4 @ 4460'
4-4-14 4,460' Cut 90' in last 24 hrs; 3,75 hrs drlg. RTD 4605' @ 7:34 pm
4-5-14 4,605' Cut 145' in last 24 hrs; 7,75 hrs drlg. Ran production casing.

Remarks

The electric log measurements correlate from even to 2' higher to the drilling measurements.

Formation tops and lithology on this report have been corrected to the electric log.

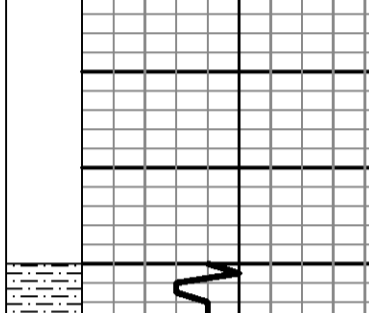
The drilling samples were deposited at the Kansas Geological Survey office in Wichita.

Respectfully submitted,

Robert L. Milford

Drill Stem Test Charts

Drill Stem Test by Trilobite Testing, Inc.



LITH	DRILL TIME (MIN/FT)	DEPTH	SAMPLE DESCRIPTIONS	REMARKS
		3200		Stone Corral 3214' (+88) EL
		3250		B/Stone Corral 3245' (+57) EL
		3600	Sdy Sh: red-brn, fn-vry fn grain sd, sli calc in prt w/ some Sd: lt gry, fn-vry fn grain, sli calc in prt, semi fri-brittle, pr vis por, NS	Samples start 3590' @ 6:58 pm on 3-30-14 Mud displaced @ 3455'; down for 1.45 hrs Bit trip at 3582'. Replaced PDC bit with button bit. Pipe Strap @ 3582': Strap long 0.64' Straight Hole Survey @ 3582': 1° Dev.
		3650	Sdy Sh & Sd: A.A.	
		3700	Sdy Sh: red-brn, some soft & gummy, w/ small amt of Sh: gry & grn, & some Sd: lt gry, fn-vry fn grain, sli calc, soft-semi fri, pr vis por, NS	Neve 3698' (-396) EL
		3750	Sdy Sh: red-brn, w/ some Sh: grn, & some Sd: lt gry, fn-vry fn grain, semi fri, pr vis por, NS	
		3800	LS: Dol: crm-lt gry, fxln, fos in prt, sli chty (tan-org), sub chky-prtly dns w/ some chky-vry chky, pr por, NS LS: lt-med gry, fxln, sli shly in prt, sli sub chky-prtly dns, pr por, NS Sdy Sh: red-brn, soft & gummy in prt, w/ small amt Sd: lt gry, fn-vry fn grain, sli calc, semi fri, pr vis por, NS A.A. w/ small amt of Sh: drk gry Sdy Sh: red-brn, some soft & gummy, w/ small amt Sd: gry	Red Eagle 3759' (-457) EL Morgan Mud check @ 3795': 72 Vis, 8.6 Wt, 5.2 WL, 700 ppm Chl, 6# LCM
		3850	LS: wh-crm, fxln, fos in prt, sub chky-prtly dns w/ some chky-vry chky, pr w/ some fr fos por, fr amt lt-med brn patchy-sat stn, SFSFO, sli odor LS: crm-gry, fxln, fos in prt, some sli shly, sli chty, sub chky-prtly dns w/ some chky, pr por, NS LS: tan-gry, fxln, sli fos, sli shly in prt, sli sub chky-prtly dns, pr por, NS LS: wh-tan, fxln, fos in prt, vry chky-prtly dns, pr w/ some fr fos por, NS Dol: tan, fxln, sli sub chky, some pin point-small vug por, NS	Foraker 3806' (-504) EL Note: wind blowing geograph cable was giving erroneous readings. Took drill time by marking footage on kelly and used stop watch for time from 3820' to 4055'. Too windy to trip pipe for a DST. Wind speed about 40 mph, gusting over 60 mph.
		3900	LS: gry-brn, fxln, prtly dns, pr por, NS Sh: red-brn, soft & gummy in prt Sh: A.A. w/ small amt of drk gry	
		3950	LS: crm-gry, fxln, sli fos, some sli dolomitic, sub chky-prtly dns w/ some chky, pr por, NS Sh: red-brn, mostly soft & gummy, w/ some gry-grn	
		4000	LS: wh-tan, fxln, sli fos, some shly (lt red-brn), sub chky-prtly dns w/ some chky, pr por, NS Sh: red-brn, soft & gummy in prt, w/ some gry & grn	Stotler 3957' (-655) EL
		4050	LS: tan-gry, fxln, sli fos, sub chky-prtly dns, pr por, NS Sh: A.A. Sh: red-brn, soft & gummy in prt, w/ some gry	
		4100	LS: crm-lt gry, fxln, fos (some crs), sub chky-prtly dns, pr por, NS LS: A.A. w/ some chky-vry chky, pr por, NS Sh: red-brn w/ some gry	
		4150	LS: wh-tan, fxln, fos in prt, sub chky-prtly dns w/ some chky, pr por, NS LS: wh-tan, fxln, sli fos, shly in prt (red-brn, mottled), sub chky-prtly dns w/ some chky-vry chky, pr por, NS LS: wh-lt gry, fxln, fos in prt, chky-prtly dns w/ some vry chky, pr por, NS Shly Sd-Sdy Sh: red-brn w/ tr grn, fn-vry fn grain, sli calc, soft-semi brittle, pr vis por, NS Sh: red-brn, w/ some gry	
		4200	LS: crm-lt gry, fxln, sli fos, some sli shly (red-brn, mottled), sli chty (tan), sub chky-prtly dns w/ some chky, pr por, NS LS: crm, fxln, fos (crs) in prt, shly in prt (red-brn, mottled), chky-prtly dns, pr por, NS Sh: red-brn, soft & gummy in prt, sdy in prt, w/ some gry Sh: A.A. Sh: red-brn, w/ some gry-grn LS: lt gry-tan, fxln, sli shly in prt, sub chky-prtly dns, pr por, NS Sh: gry, w/ some red-brn Sd: lt gry, fn-vry fn grain, sli calc, sli shly, semi brittle, pr vis por, NS Sh: gry, w/ some red-brn & tr grn Sh: red-brn, soft & gummy in prt, w/ some gry & grn	DST #1 4180'-4255' L/KC 'A' zn IF: blow built to 2.5', built to 3' in 20 min, then died back to 2.5' FF: no blow Rec: 80' Mud w/ oil spots (3% G, 3% O, 94% M) IFF: 65-60#/30' ISIP: 1092#/60' FFP: 61-62#/30' FSP: 1026#/60' Note: tool slid 5' at open, and lost 10' mud. Had 2.5' surge blow at open.
		4250	LS: crm-tan, fxln, sli fos, sub chky-prtly dns w/ some chky, pr fos w/ tr small vug por, scat lt brn blk sptd-sub sat stn & some edge stn, vry sat brn w/ S-FSFO, no odor LS: crm-tan, fxln, sli fos, sub chky-prtly dns w/ some chky, pr por, NS Sd: lt gry, fn-vry fn grain, sli calc, semi fri-brittle, pr vis por, NS, & Sdy Sh-Shly Sd: red-brn Sh: red-brn, soft & gummy in prt, some gry & grn	Oread 4134' (-832) EL Ran 21 stand short trip prior to DST #1 Morgan Mud check @ 4255': 65 Vis, 8.7 Wt, 5.2 WL, 700 ppm Chl, 10# LCM
		4300	LS: wh-crm, fxln, fos in prt, sli gry: sub chky-prtly dns w/ some chky, pr fr-fos w/ gd vug por, scat lt-drk brn patchy-sat stn, SFSFO, no odor LS: lt gry, fxln, sli shly in prt, sub chky-prtly dns, pr por, NS, intermixed w/ Calc Sh: lt-med gry LS: A.A., becoming sli darker gry-tan, pr por, NS Shly LS: drk gry, fxln, gritty, pr por, NS Calc Sh: drk gry LS: lt gry-tan, fxln, sli shly in prt, sub chky-prtly dns, pr por, NS Sh: gry, w/ some red-brn Sd: lt gry, fn-vry fn grain, sli calc, sli shly, semi brittle, pr vis por, NS Sh: gry, w/ some red-brn & tr grn Sh: red-brn, soft & gummy in prt, w/ some gry & grn	DST #2 4250'-4310' L/KC 'b' zn IF: blow built to 6" ISI: no blow back FF: BOB in 11.25' FSI: 0.5' blow back Recovery: 270' TOTAL FLUID: 10' MCO (85% G, 6% O, 92% M) 73' OCM (2% G, 6% O, 92% M) 62' SO&WCM (2% G, 2% O, 32% W, 63% M) 125' MCW w/ oil spts (1% O, 64% W, 35% M) Chl ppm: 23,000 DST: 1,000 Mud IFF: 21-106#/30' ISIP: 1179#/60' FFP: 107-140#/60' FSP: 552#/90'
		4350	LS: crm-lt gry, fxln, sli shly in prt, sub chky-prtly dns, pr por, NS Sh: lt gry, some calc Sh: red-brn & gry, some grn LS: crm-lt brn, fxln, sli fos, sub chky-prtly dns, pr por, tr lt brn sptd-patchy stn, NSFO, no odor Sh: red-brn w/ some gry, intermixed w/ some Sd: lt gry, fn-vry fn grain, sli calc, sli shly, soft-brittle, pr vis por, NS LS: crm-lt gry, fxln, fos in prt, sub chky-prtly dns w/ some chky, pr por, NS Sh: red-brn, gd amt soft & gummy	DST #3 4303'-4370' L/KC 'G' zn IF: BOB in 23' ISI: 0.75' blow back FF: BOB in 11.25' FSI: 0.5' blow back Rec: 827' TOTAL FLUID: 20' MCO (2% G, 91% O, 87% M) 180' OCM (3% G, 10% O, 87% M) 190' WM w/ oil spots (3% G, 3% O, 45% W, 49% M) 437' MCW w/ trace oil (trace O, 94% W, 6% M) Oil Gravity 32.6° APT Chl ppm: 25,000 DST: 1,100 Mud IFF: 153-261#/30' ISIP: 525#/60' FFP: 278-402#/60' FSP: 521#/90' Note: Tool chased 13' to bottom at open. Lost 15' of mud.
		4400	LS: wh-crm-fxln, fos-ool (small) in prt, sub chky-prtly dns w/ some chky, pr fr-fos w/ gd vug por, scat lt-drk brn patchy-sat stn, SFSFO, no odor LS: wh-tan, fxln, sli fos, sub chky-prtly dns w/ some chky-vry chky, pr por, NS Sh: red-brn, w/ some gry-grn	
		4450	LS: red-brn, some soft & gummy, w/ some gry & grn, & small amt Sd: lt gry-tan, fn-vry fn grain, calc, sli shly, mostly brittle, pr vis por, NS LS: wh-lt gry, fxln, sli fos, sub chky-prtly dns w/ some chky-vry chky, pr por, NS Sh: red-brn & gry-grn, some lt gry (soft & gummy)	DST #4 4405'-4460' L/KC 'J' zn IF: BOB in 8.25' ISI: 2' blow back FF: BOB in 11.25' FSI: 0.5' blow back Rec: 827' TOTAL FLUID: 20' MCO (2% G, 91% O, 87% M) 180' OCM (3% G, 10% O, 87% M) 190' WM w/ oil spots (3% G, 3% O, 45% W, 49% M) 437' MCW w/ trace oil (trace O, 94% W, 6% M) Oil Gravity 32.6° APT Chl ppm: 25,000 DST: 1,100 Mud IFF: 153-261#/30' ISIP: 525#/60' FFP: 278-402#/60' FSP: 521#/90' Note: Tool chased 13' to bottom at open. Lost 15' of mud.
		4500	LS: wh-tan, sli fos, shly in prt (mottled), sub chky-prtly dns, pr por, NS LS: A.A. w/ some chky-vry chky, pr por, NS Sh: red-brn, some soft & gummy, w/ some gry-grn LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS Sh: red-brn, soft & gummy in prt, w/ some gry-grn LS: crm-tan, fxln, fos, sub chky-prtly dns, pr por, NS LS: A.A., intermixed w/ Calc Sh: lt gry, grn, red-brn & purple Sh: red-brn, w/ some gry & grn, some calc LS: crm-lt gry, fxln, sli fos, sub chky-prtly dns, pr por, NS Sh: red-brn, w/ some Calc Sh: lt gry	
		4550	LS: crm-tan, fxln, fos in prt, sub chky-prtly dns w/ some chky, pr por, NS LS: A.A., intermixed w/ Calc Sh: lt gry, grn, red-brn & purple Sh: red-brn, w/ some gry & grn, some calc LS: crm-lt gry, fxln, sli fos, sub chky-prtly dns, pr por, NS Sh: red-brn, w/ some Calc Sh: lt gry	
		4600	LS: crm-tan, fxln, fos in prt, sub chky-prtly dns w/ some chky, pr por, NS Calc Sh-Shly LS: lt gry & Sh: red-brn & gry	Ran 7 stand short trip @ TD, prior to CFS R.T.D. 4605' (-1303) L.T.D. 4606' (-1304) Straight Hole Survey @ 4605': 0.5° Dev.



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc**

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

Burk Trust 'A' #6-23

23-1s-36w Rawlins KS

Start Date: 2014.04.01 @ 12:52:00

End Date: 2014.04.01 @ 20:27:45

Job Ticket #: 56981 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.04.04 @ 12:00:20



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc
 250 N. Water Suite 300
 Wichita, KS 67202
 ATTN: Rocky Milford

23-1s-36w Rawlins KS

Burk Trust 'A' #6-23

Job Ticket: 56981 **DST#: 1**
 Test Start: 2014.04.01 @ 12:52:00

GENERAL INFORMATION:

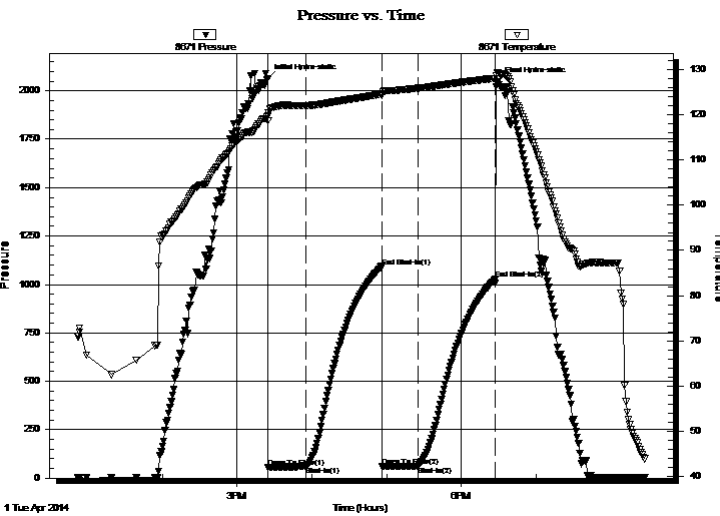
Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:25:00
 Time Test Ended: 20:27:45
 Interval: **4180.00 ft (KB) To 4255.00 ft (KB) (TVD)**
 Total Depth: 4255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3302.00 ft (KB)
 3297.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press@RunDepth: 62.32 psig @ 4181.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.01 End Date: 2014.04.01 Last Calib.: 2014.04.01
 Start Time: 12:52:05 End Time: 20:27:44 Time On Btm: 2014.04.01 @ 15:24:45
 Time Off Btm: 2014.04.01 @ 18:29:15

TEST COMMENT: 30 - IF: 2 1/2" surge blow at open, built to 3" in 20 min., died back to 2 1/2" at close
 60 - IS!: No blow back
 30 - FF: No blow
 60 - FS!: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.32	119.77	Initial Hydro-static
1	55.47	118.80	Open To Flow (1)
31	59.63	122.04	Shut-In(1)
92	1092.43	124.58	End Shut-In(1)
92	61.39	124.20	Open To Flow (2)
121	62.32	125.94	Shut-In(2)
183	1026.33	128.12	End Shut-In(2)
185	2048.79	129.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Mud w /Oil spots 94%m, 3%o, 3%g	0.39

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS

Burk Trust 'A' #6-23

Job Ticket: 56981

DST#: 1

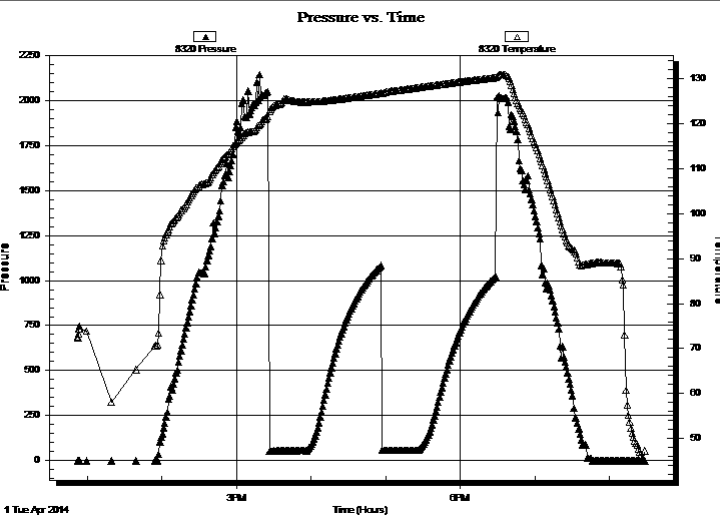
Test Start: 2014.04.01 @ 12:52:00

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:25:00
Time Test Ended: 20:27:45
Interval: **4180.00 ft (KB) To 4255.00 ft (KB) (TVD)**
Total Depth: 4255.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3302.00 ft (KB)
3297.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8320 Outside
Press@RunDepth: psig @ 4181.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.01 End Date: 2014.04.01 Last Calib.: 2014.04.01
Start Time: 12:52:05 End Time: 20:28:29 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF: 2 1/2" surge blow at open, built to 3" in 20 min., died back to 2 1/2" at close
60 - ISI: No blow back
30 - FF: No blow
60 - FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Mud w /Oil spots 94%m, 3%o, 3%g	0.39

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56981 **DST#: 1**
Test Start: 2014.04.01 @ 12:52:00

Tool Information

Drill Pipe:	Length: 3976.00 ft	Diameter: 3.80 inches	Volume: 55.77 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 56.69 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4180.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool chased 5' to bottom at open - Lost 10' of mud on topside - 2 1/2" surge blow at open

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4157.00	
Hydraulic tool	5.00			4162.00	
Jars	5.00			4167.00	
Safety Joint	3.00			4170.00	
Packer	5.00			4175.00	28.00 Bottom Of Top Packer
Packer	5.00			4180.00	
Stubb	1.00			4181.00	
Recorder	0.00	8671	Inside	4181.00	
Recorder	0.00	8320	Outside	4181.00	
Perforations	6.00			4187.00	
Blank Spacing	65.00			4252.00	
Bullnose	3.00			4255.00	75.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc

23-1s-36w Rawlins KS

250 N. Water Suite 300
Wichita, KS 67202

Burk Trust 'A' #6-23

Job Ticket: 56981

DST#: 1

ATTN: Rocky Milford

Test Start: 2014.04.01 @ 12:52:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	Mud w /Oil spots 94%m, 3%o, 3%g	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

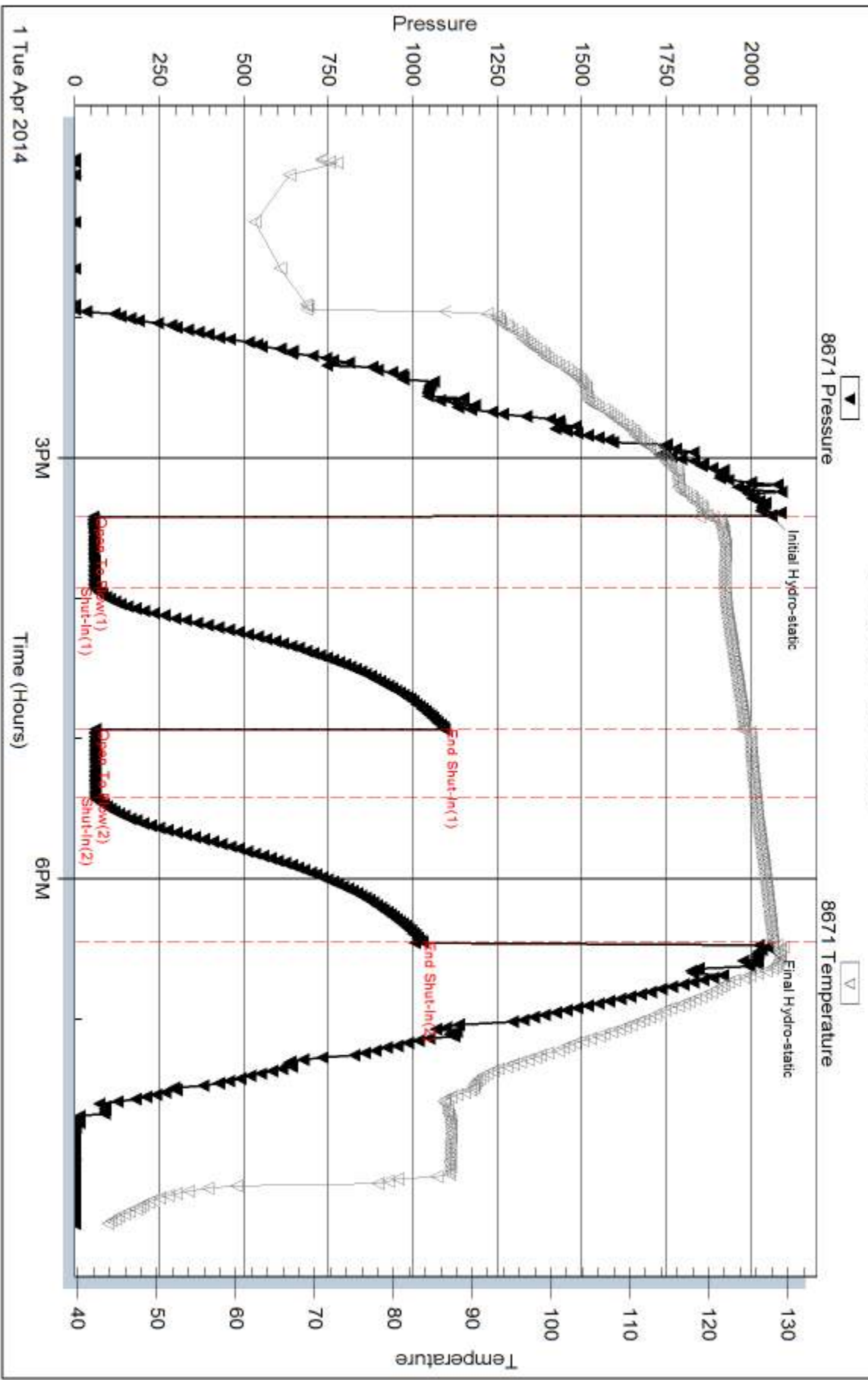
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 10#

Pressure vs. Time

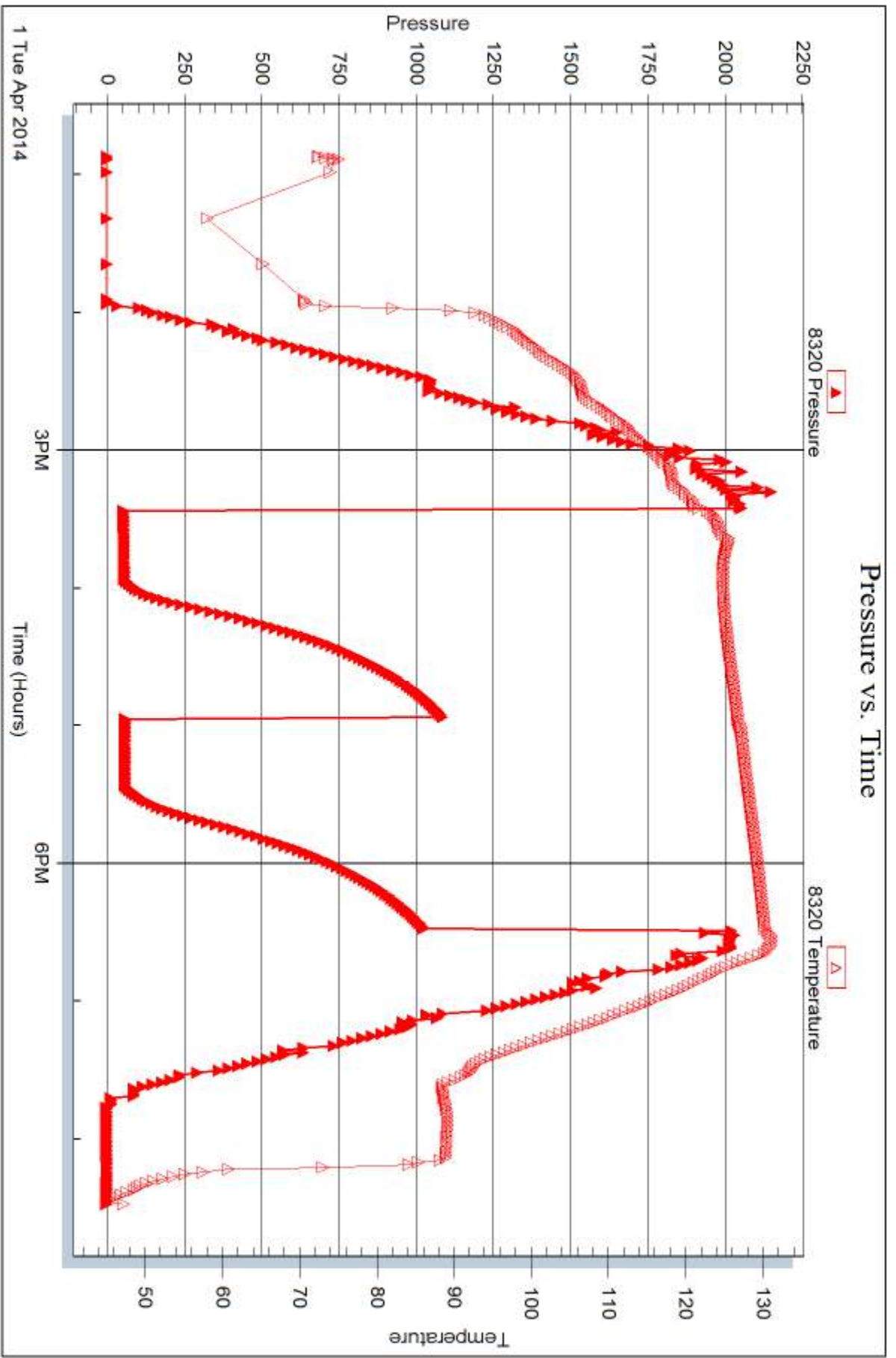


Serial #: 8320

Outside Murfin Drilling Co., Inc

Burk Trust 'A' #6-23

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56981

Printed: 2014.04.04 @ 12:00:22



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc**

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

Burk Trust 'A' #6-23

23-1s-36w Rawlins KS

Start Date: 2014.04.02 @ 05:27:00

End Date: 2014.04.02 @ 14:13:30

Job Ticket #: 56982 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.04.04 @ 11:59:58

Murfin Drilling Co., Inc
23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
DST # 2
LKC "D"
2014.04.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS

Burk Trust 'A' #6-23

Job Ticket: 56982 **DST#: 2**
Test Start: 2014.04.02 @ 05:27:00

GENERAL INFORMATION:

Formation: **LKC "D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:53:45
Time Test Ended: 14:13:30
Interval: **4250.00 ft (KB) To 4310.00 ft (KB) (TVD)**
Total Depth: 4310.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3302.00 ft (KB)
3297.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 57

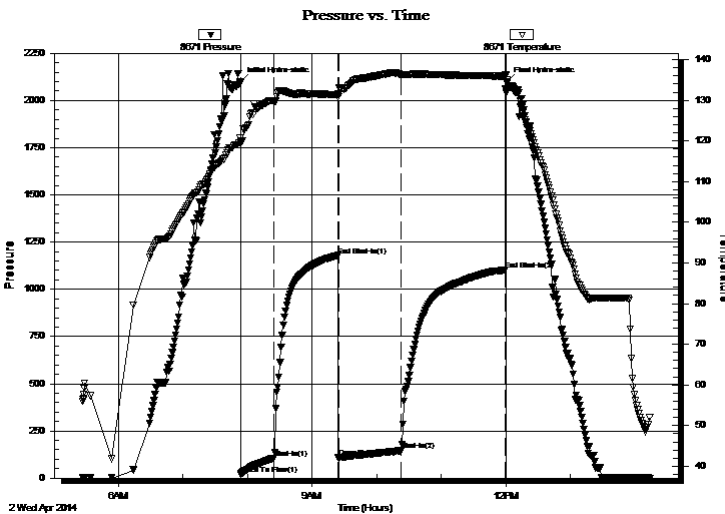
Serial #: 8671

Inside

Press@RunDepth: 145.37 psig @ 4251.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.04.02 End Date: 2014.04.02 Last Calib.: 2014.04.02
Start Time: 05:27:05 End Time: 14:13:30 Time On Btm: 2014.04.02 @ 07:53:30
Time Off Btm: 2014.04.02 @ 12:01:00

TEST COMMENT: 30 - IF: Blow built to 6"
60 - IS: No blow back
60 - FF: Blow built to 8"
90 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2102.07	120.62	Initial Hydro-static
1	21.18	119.31	Open To Flow (1)
32	106.30	129.71	Shut-In(1)
91	1179.21	131.33	End Shut-In(1)
91	108.81	131.55	Open To Flow (2)
150	145.37	136.33	Shut-In(2)
246	1102.73	135.97	End Shut-In(2)
248	2098.19	134.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/OS 64%w, 35%m, 1%o	0.61
62.00	SO/WCM 63%m, 32%w, 3%o, 2%g	0.30
73.00	OCM 92%m, 6%o, 2%g	1.02
10.00	MCO 85%o, 15%m	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56982 **DST#: 2**
Test Start: 2014.04.02 @ 05:27:00

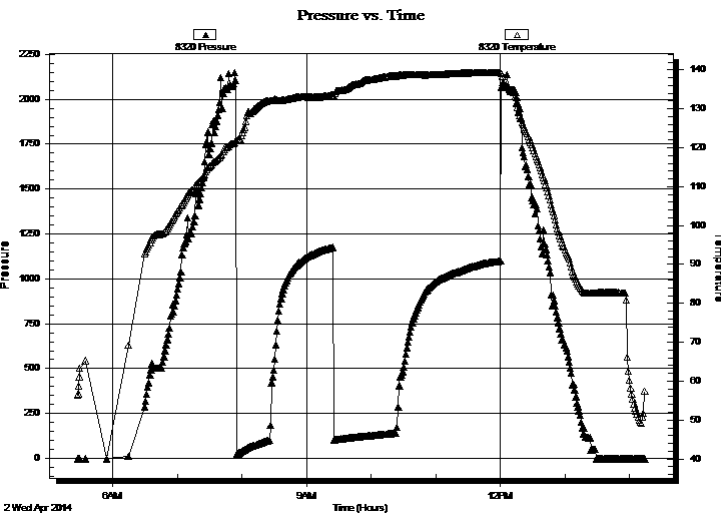
GENERAL INFORMATION:

Formation: **LKC "D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:53:45
Time Test Ended: 14:13:30
Interval: **4250.00 ft (KB) To 4310.00 ft (KB) (TVD)**
Total Depth: 4310.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 57
Reference Elevations: 3302.00 ft (KB)
3297.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8320 Outside

Press@RunDepth: psig @ 4251.00 ft (KB)
Start Date: 2014.04.02 End Date: 2014.04.02
Start Time: 05:27:05 End Time: 14:14:15
Capacity: 8000.00 psig
Last Calib.: 2014.04.03
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to 6"
60 - IS: No blow back
60 - FF: Blow built to 8"
90 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/OS 64%w , 35%m, 1%o	0.61
62.00	SO/WCM 63%w , 32%w , 3%o, 2%g	0.30
73.00	OCM 92%w , 6%o, 2%g	1.02
10.00	MCO 85%o, 15%w	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56982 **DST#: 2**
Test Start: 2014.04.02 @ 05:27:00

Tool Information

Drill Pipe:	Length: 4039.00 ft	Diameter: 3.80 inches	Volume: 56.66 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 57.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4250.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool slid 6' to bottom before open - No mud loss

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			4227.00	
Hydraulic tool	5.00			4232.00	
Jars	5.00			4237.00	
Safety Joint	3.00			4240.00	
Packer	5.00			4245.00	28.00 Bottom Of Top Packer
Packer	5.00			4250.00	
Stubb	1.00			4251.00	
Recorder	0.00	8671	Inside	4251.00	
Recorder	0.00	8320	Outside	4251.00	
Perforations	20.00			4271.00	
Blank Spacing	33.00			4304.00	
Perforations	3.00			4307.00	
Bullnose	3.00			4310.00	60.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56982 **DST#: 2**
Test Start: 2014.04.02 @ 05:27:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 24.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 23000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1000.00 ppm		
Filter Cake: 2.00 inches		

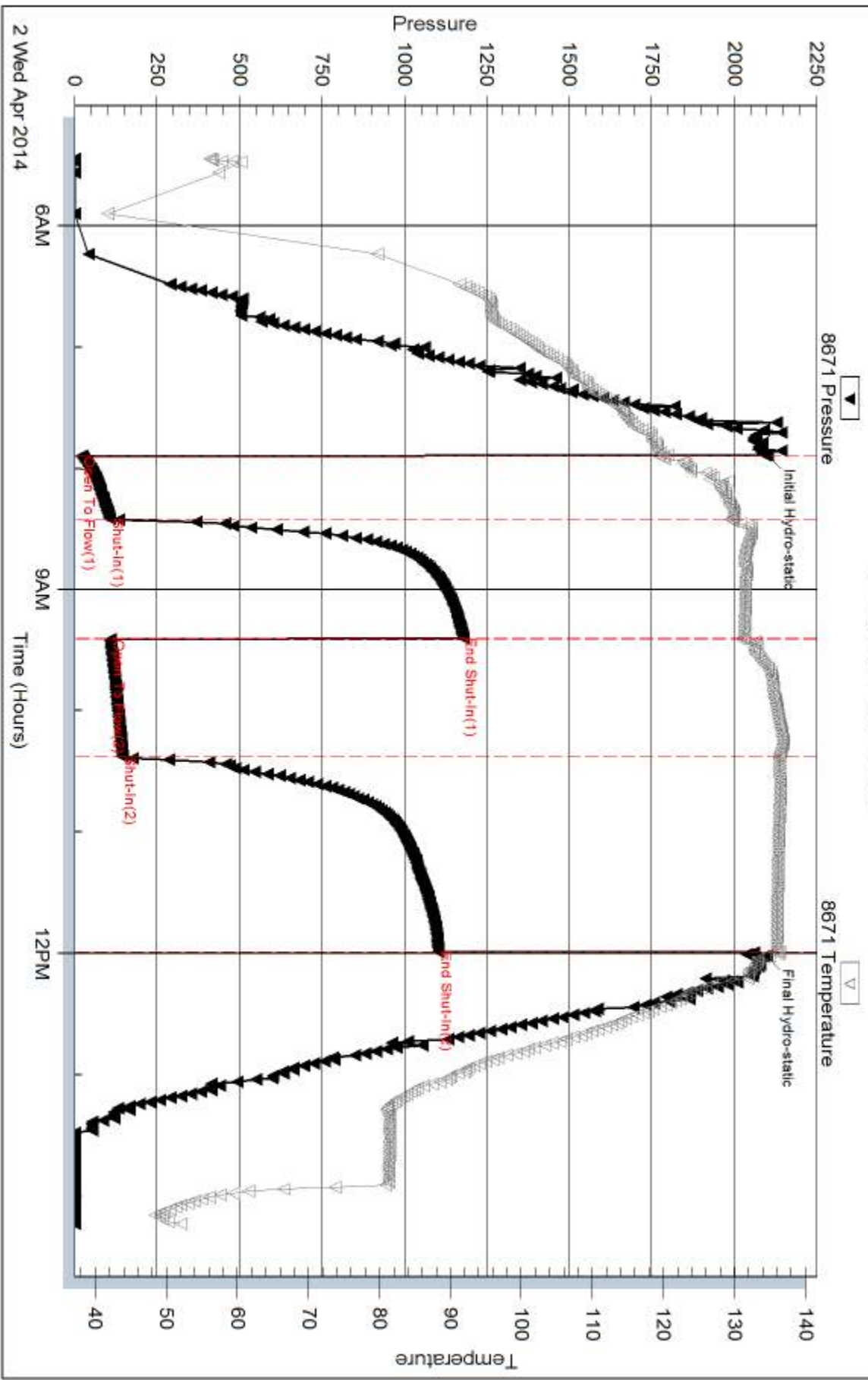
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCW w/OS 64%w , 35%m, 1%o	0.615
62.00	SO/WCM 63%m, 32%w , 3%o, 2%g	0.305
73.00	OCM 92%m, 6%o, 2%g	1.024
10.00	MCO 85%o, 15%m	0.140

Total Length: 270.00 ft Total Volume: 2.084 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Gravity = 25 api @ 66 deg F Corrected Gravity = 24.4 api
 RW = .311 ohms @ 67.7 deg F Chlorides = 23,000 ppm

Pressure vs. Time

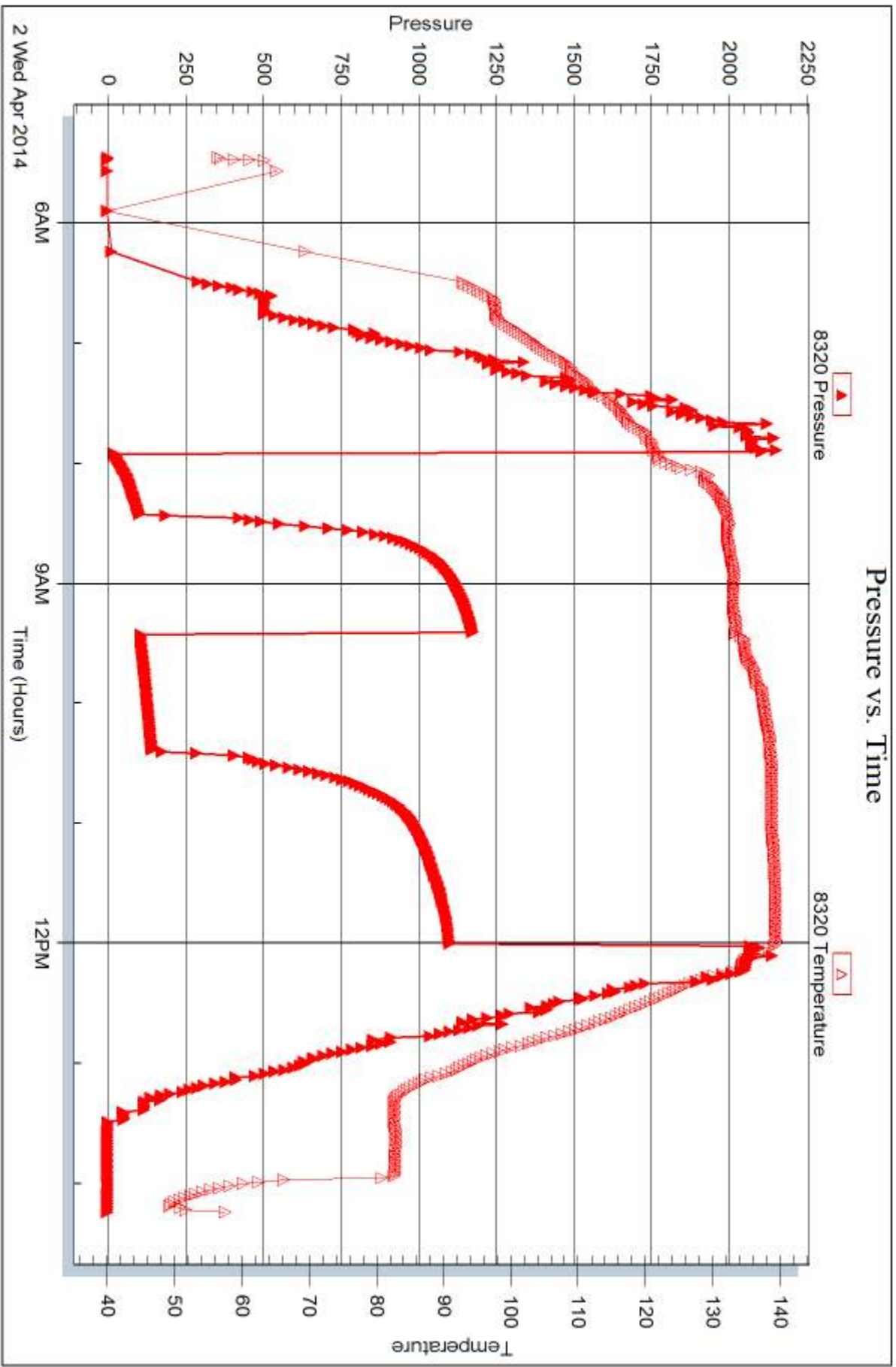


Serial #: 8320

Outside Murfin Drilling Co., Inc

Burk Trust 'A' #6-23

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56982

Printed: 2014.04.04 @ 12:00:00



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc**

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

Burk Trust 'A' #6-23

23-1s-36w Rawlins KS

Start Date: 2014.04.02 @ 23:53:00

End Date: 2014.04.03 @ 09:39:15

Job Ticket #: 56983 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.04.04 @ 11:59:23

Murfin Drilling Co., Inc
23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
DST # 3
LKC "G"
2014.04.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc
 250 N. Water Suite 300
 Wichita, KS 67202
 ATTN: Rocky Milford

23-1s-36w Rawlins KS

Burk Trust 'A' #6-23

Job Ticket: 56983

DST#: 3

Test Start: 2014.04.02 @ 23:53:00

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:01:15
 Time Test Ended: 09:39:15
 Interval: **4303.00 ft (KB) To 4370.00 ft (KB) (TVD)**
 Total Depth: 4370.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3302.00 ft (KB)
 3297.00 ft (CF)
 KB to GR/CF: 5.00 ft

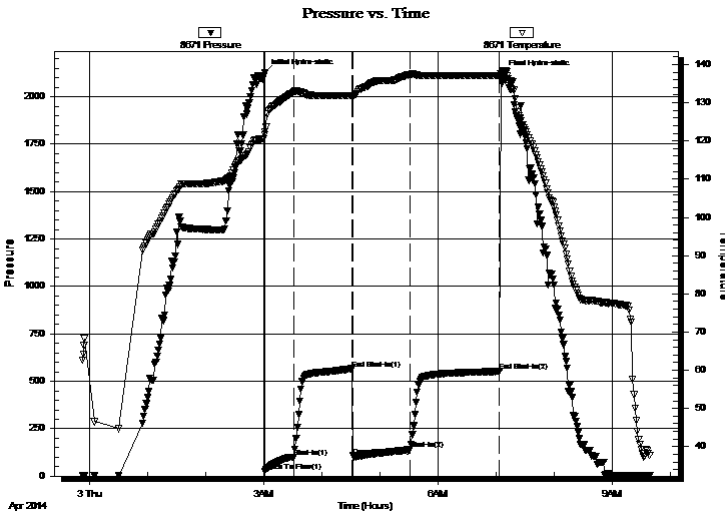
Serial #: 8671

Inside

Press@RunDepth: 140.15 psig @ 4304.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.02 End Date: 2014.04.03 Last Calib.: 2014.04.03
 Start Time: 23:53:05 End Time: 09:39:15 Time On Btm: 2014.04.03 @ 03:01:00
 Time Off Btm: 2014.04.03 @ 07:06:30

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 23 min.
 60 - IS: Blow back built to 3/4"
 60 - FF: Blow built to BOB in 20 min.
 90 - FS: Blow back built to 2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2124.57	122.48	Initial Hydro-static
1	24.56	121.67	Open To Flow (1)
31	99.56	132.90	Shut-In(1)
91	566.53	131.92	End Shut-In(1)
91	106.62	131.72	Open To Flow (2)
151	140.15	137.32	Shut-In(2)
243	552.17	137.12	End Shut-In(2)
246	2117.56	138.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GOCM 49% m, 29% o, 22% g	0.61
75.00	OM 50% m, 43% o, 7% g	0.49
110.00	CGO 79% o, 17% g, 4% m	1.54
0.00	GIP = 380'	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56983 **DST#: 3**
Test Start: 2014.04.02 @ 23:53:00

Tool Information

Drill Pipe:	Length: 4103.00 ft	Diameter: 3.80 inches	Volume: 57.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 58.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4303.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool slid around 5' to bottom before open - no mud loss

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4280.00	
Hydraulic tool	5.00			4285.00	
Jars	5.00			4290.00	
Safety Joint	3.00			4293.00	
Packer	5.00			4298.00	28.00 Bottom Of Top Packer
Packer	5.00			4303.00	
Stubb	1.00			4304.00	
Recorder	0.00	8671	Inside	4304.00	
Recorder	0.00	8320	Outside	4304.00	
Perforations	27.00			4331.00	
Blank Spacing	33.00			4364.00	
Perforations	3.00			4367.00	
Bullnose	3.00			4370.00	67.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56983 **DST#: 3**
Test Start: 2014.04.02 @ 23:53:00

Mud and Cushion Information

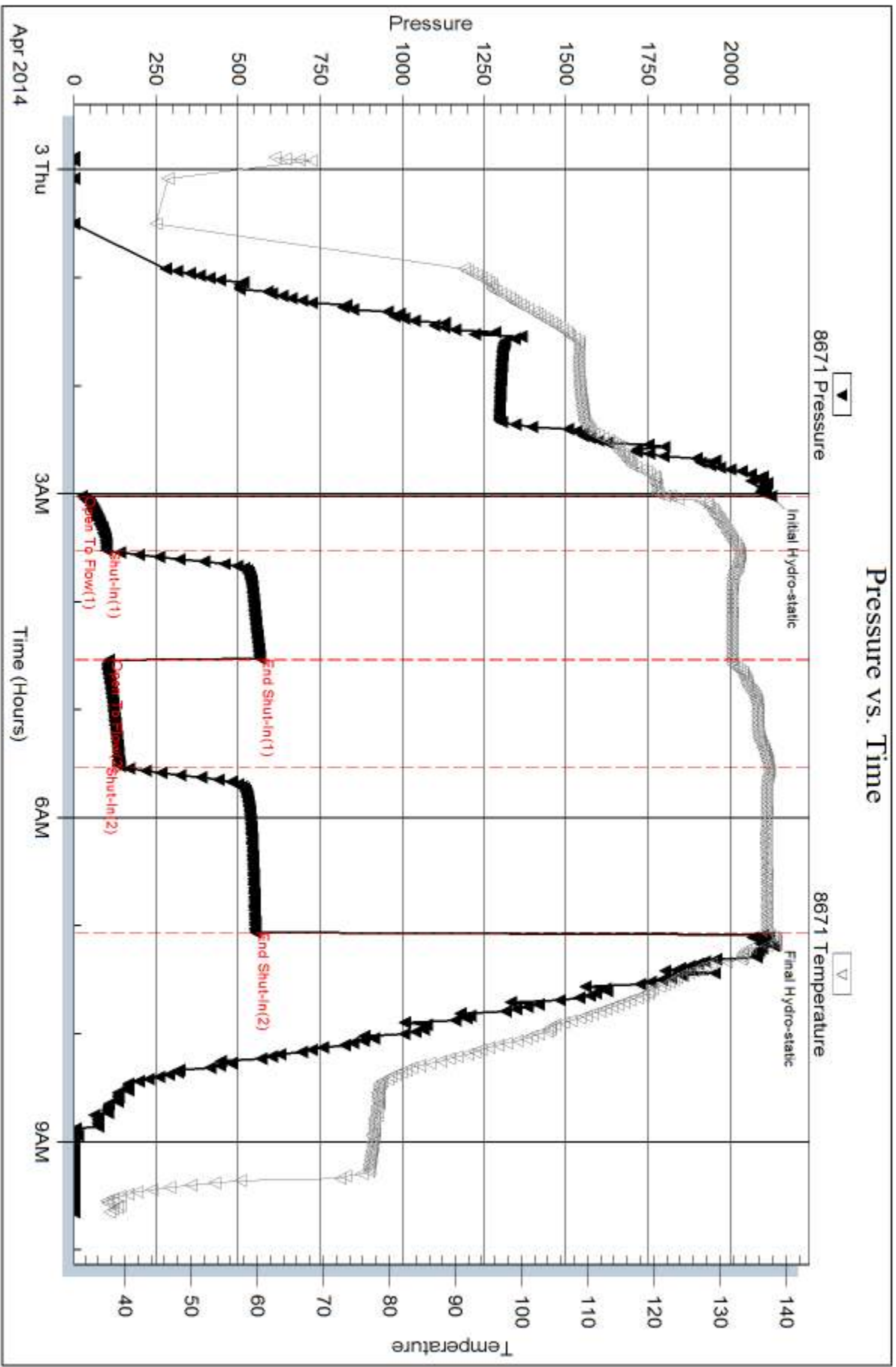
Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.57 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1000.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GOCM 49% <i>m</i> , 29% <i>o</i> , 22% <i>g</i>	0.615
75.00	OM 50% <i>m</i> , 43% <i>o</i> , 7% <i>g</i>	0.487
110.00	CGO 79% <i>o</i> , 17% <i>g</i> , 4% <i>m</i>	1.543
0.00	GIP = 380'	0.000

Total Length: 310.00 ft Total Volume: 2.645 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Gravity = 29.6 api @ 36 deg F
Corrected Gravity = 32 api

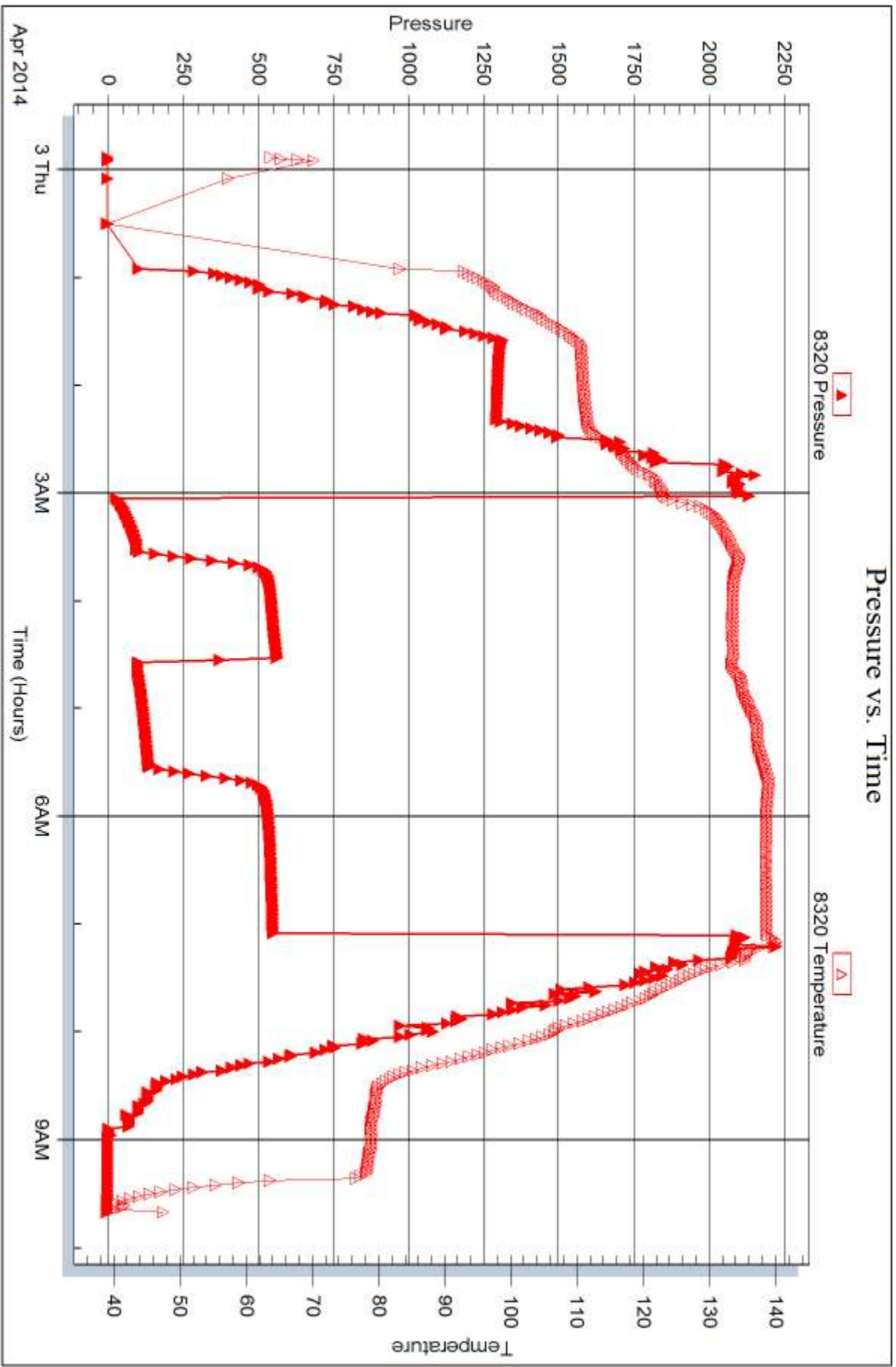


Serial #: 8320

Outside Murfin Drilling Co., Inc

Burk Trust 'A' #6-23

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co., Inc**

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

Burk Trust 'A' #6-23

23-1s-36w Rawlins KS

Start Date: 2014.04.03 @ 21:45:00

End Date: 2014.04.04 @ 07:55:30

Job Ticket #: 56984 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.04.04 @ 11:48:32



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc
 250 N. Water Suite 300
 Wichita, KS 67202
 ATTN: Rocky Milford

23-1s-36w Rawlins KS

Burk Trust 'A' #6-23

Job Ticket: 56984 **DST#: 4**
 Test Start: 2014.04.03 @ 21:45:00

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:35:15
 Time Test Ended: 07:55:30
 Interval: **4405.00 ft (KB) To 4460.00 ft (KB) (TVD)**
 Total Depth: 4460.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3302.00 ft (KB)
 3297.00 ft (CF)
 KB to GR/CF: 5.00 ft

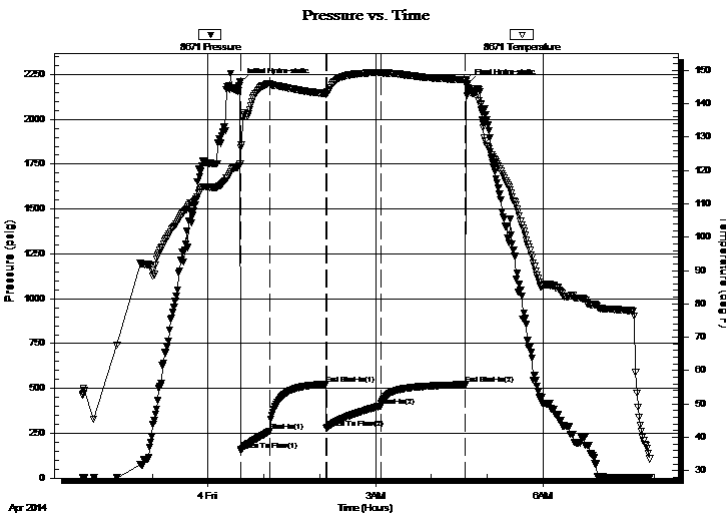
Serial #: 8671

Inside

Press@RunDepth: 402.13 psig @ 4406.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.04.03 End Date: 2014.04.04 Last Calib.: 2014.04.04
 Start Time: 21:45:05 End Time: 07:55:30 Time On Btm: 2014.04.04 @ 00:34:30
 Time Off Btm: 2014.04.04 @ 04:39:30

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 8 1/4 min.
 60 - ISI: Blow back built to 2"
 60 - FF: Blow built to BOB in 11 1/4 min.
 90 - FSI: Blow back built to 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2207.68	121.92	Initial Hydro-static
1	152.98	126.79	Open To Flow (1)
32	261.21	146.08	Shut-In(1)
93	524.70	143.08	End Shut-In(1)
93	278.30	142.94	Open To Flow (2)
151	402.13	149.41	Shut-In(2)
242	521.58	147.17	End Shut-In(2)
245	2201.31	144.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
437.00	MCW w/Trace Oil 94%w, 6%m	4.43
190.00	WM w/Oil spots 49%m, 45%w, 3%o, 3%g	2.67
180.00	OCM 87%m, 10%o, 3%g	2.52
20.00	SMCO 91%o, 7%m, 2%g	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56984 **DST#: 4**
Test Start: 2014.04.03 @ 21:45:00

Tool Information

Drill Pipe:	Length: 4196.00 ft	Diameter: 3.80 inches	Volume: 58.86 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.78 bbl</u>	Tool Chased	13.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	67000.00 lb
Depth to Top Packer:	4405.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Tool chased 13' to bottom at open, Lost 15' o mud

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			4382.00	
Hydraulic tool	5.00			4387.00	
Jars	5.00			4392.00	
Safety Joint	3.00			4395.00	
Packer	5.00			4400.00	28.00 Bottom Of Top Packer
Packer	5.00			4405.00	
Stubb	1.00			4406.00	
Recorder	0.00	8671	Inside	4406.00	
Recorder	0.00	8320	Outside	4406.00	
Perforations	15.00			4421.00	
Blank Spacing	33.00			4454.00	
Perforations	3.00			4457.00	
Bullnose	3.00			4460.00	55.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

23-1s-36w Rawlins KS
Burk Trust 'A' #6-23
Job Ticket: 56984 **DST#: 4**
Test Start: 2014.04.03 @ 21:45:00

Mud and Cushion Information

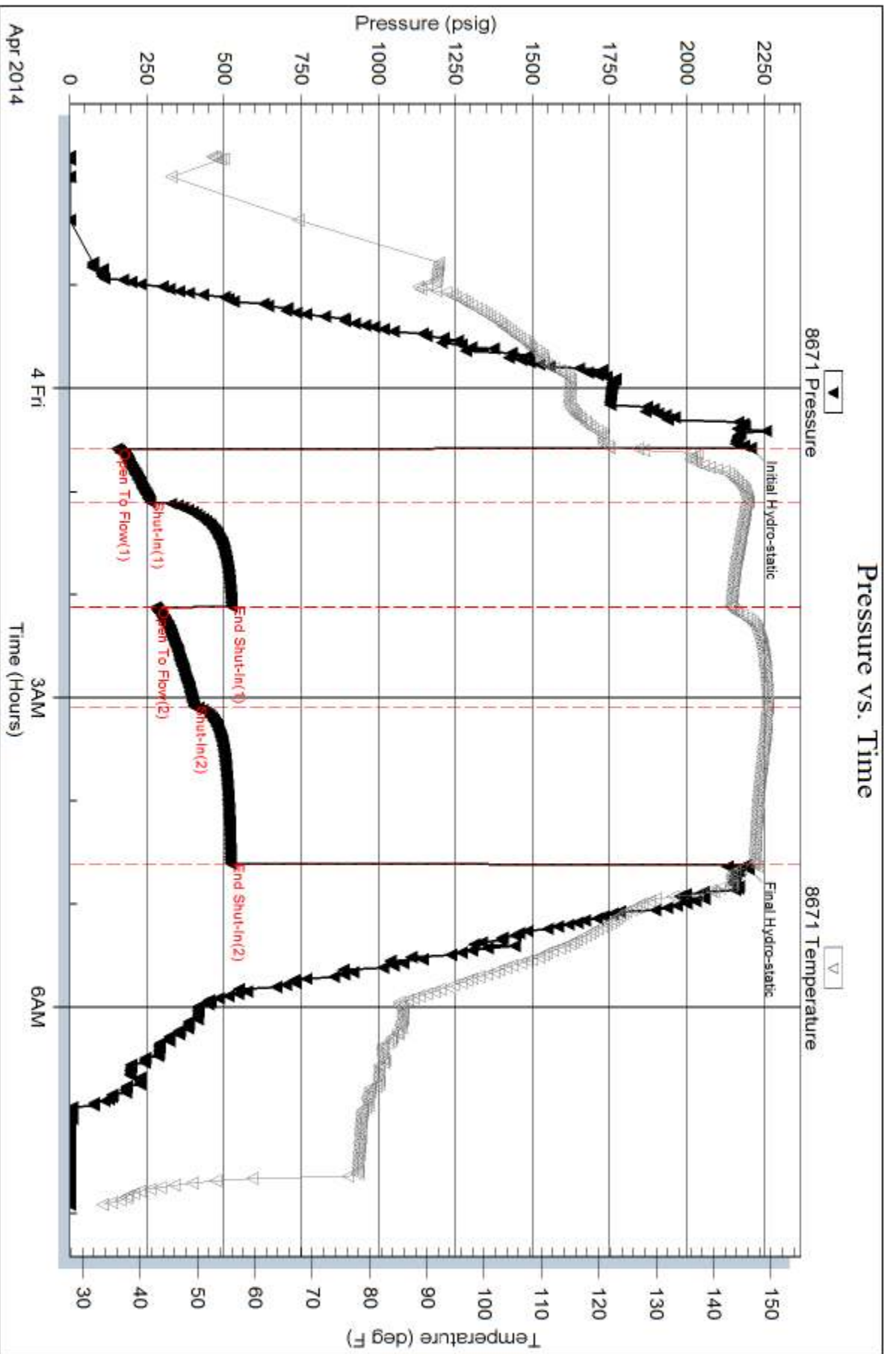
Mud Type: Gel Chem	Cushion Type:	Oil API: 32.6 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1100.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
437.00	MCW w /Trace Oil 94%w , 6%m	4.426
190.00	WM w /Oil spots 49%m, 45%w , 3%o, 3%g	2.665
180.00	OCM 87%m, 10%o, 3%g	2.525
20.00	SMCO 91%o, 7%m, 2%g	0.281

Total Length: 827.00 ft Total Volume: 9.897 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Gravity = 29.4 api @ 28 deg F Corrected Gravity = 32.6 api
RW = .618 ohms @ 31.1 deg F Chlorides = 25,000 ppm

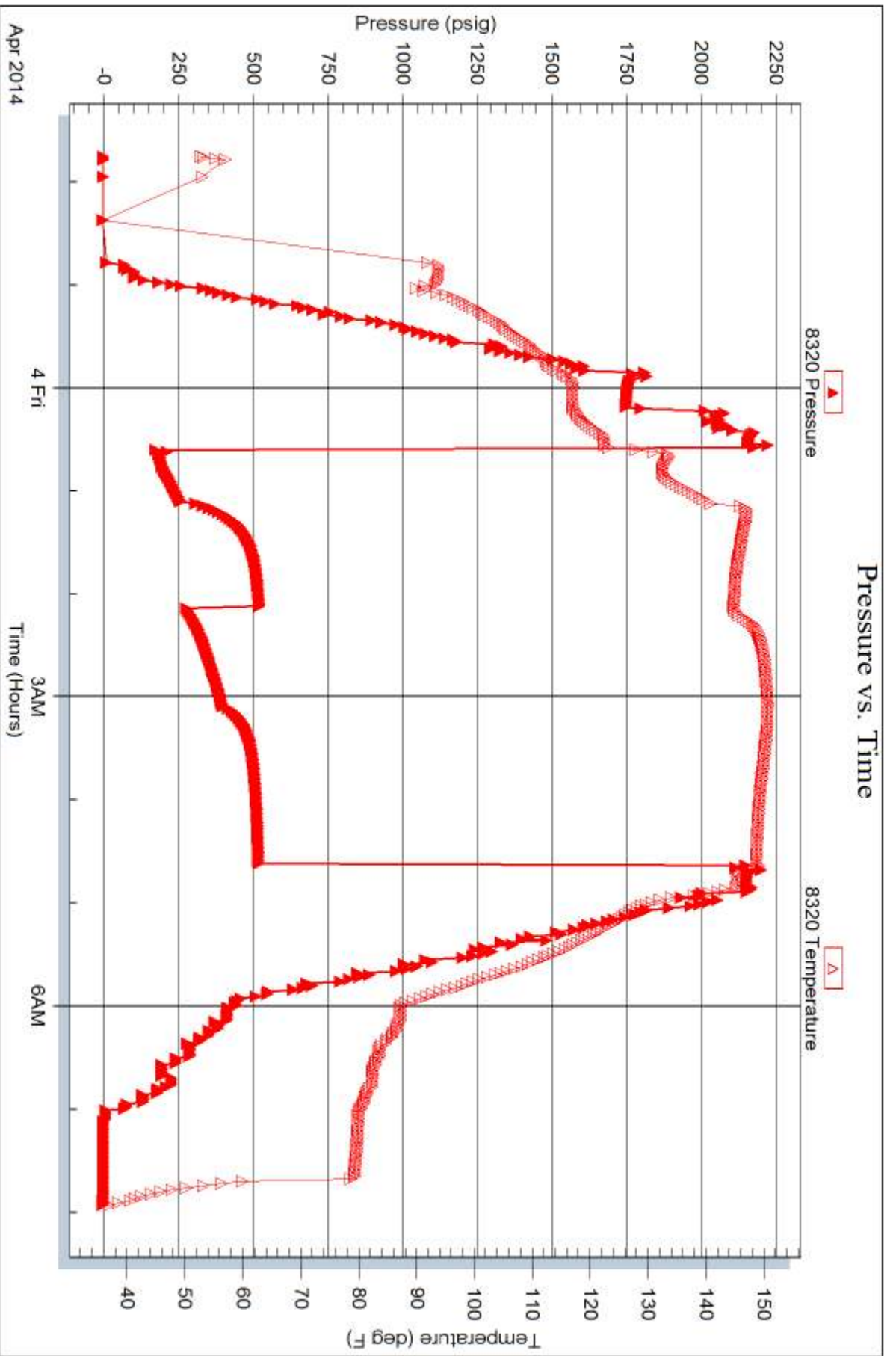


Serial #: 8320

Outside Murfin Drilling Co., Inc

Burk Trust 'A' #6-23

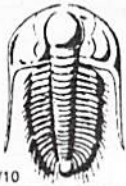
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 56984

Printed: 2014.04.04 @ 11:48:34



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56981

4/10

Well Name & No. Buck Trust A #6-23 Test No. 1 Date 4-1-14
 Company murfin Drilling Co. Inc Elevation 3302 KB 3297 GL
 Address 250 N. Water Suite 300 Wichita, KS 67202
 Co. Rep / Geo. Rocky milford Rig murfin #8
 Location: Sec. 23 Twp. 1s Rge. 36w Co. Rawlins State KS

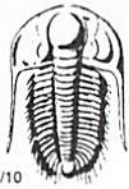
Interval Tested 4180 - 4255 Zone Tested Lans. "A"
 Anchor Length 75 Drill Pipe Run 3976 Mud Wt. 8.7
 Top Packer Depth 4175 Drill Collars Run 187 Vis 65
 Bottom Packer Depth 4180 Wt. Pipe Run - WL 5.2
 Total Depth ~~4220~~ 4255 Chlorides 700 ppm System LCM 10
 Blow Description IF: 2 1/2" surge blow at open, built to 3" in 20 min, died back to 2 1/2" at close
ISI: No blowback
FF: No blow
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>Mud w/oil spots</u>	<u>3</u>	<u>3</u>	<u>-</u>	<u>94</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80 BHT 128 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2061</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>55</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:52</u>
(C) First Final Flow <u>60</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:25</u>
(D) Initial Shut-In <u>1092</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>18:27</u>
(E) Second Initial Flow <u>61</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>20:20</u>
(F) Second Final Flow <u>62</u>	<input checked="" type="checkbox"/> Mileage <u>108 RT</u> 167.40	Comments <u>Tool slid 5' at open - lost 10' mud - 2 1/2" surge blow</u>
(G) Final Shut-In <u>1026</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2049</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1742.40</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1742.40</u>	

Approved By Rocky Milford Our Representative James Winder
 Trilobite Testing Inc. shall not be liable for damaged or any kind of 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 statements or opinion concerning the results 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56982

Well Name & No. Burk Trust 'A' #6-23 Test No. 2 Date 4-2-14
 Company Murfin Drilling Co. Inc. Elevation 3302 KB 3297 GL
 Address 250 N. Water Suite 300 Wichita, KS 67202
 Co. Rep / Geo. Rocky Milford Rig Murfin #8
 Location: Sec. 23 Twp. 1s Rge. 36w Co. Rawlins State KS

Interval Tested 4250 - 4310 Zone Tested LKC "D"
 Anchor Length 60 Drill Pipe Run 4039 Mud Wt. 9.2
 Top Packer Depth 4245 Drill Collars Run 187 Vis 60
 Bottom Packer Depth 4250 Wt. Pipe Run - WL 5.6
 Total Depth 4310 Chlorides 1000 ppm System LCM 10
 Blow Description IF: Blow built to 6"
ISI: No blowback
FF: Blow built to 8"
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MCO</u>	<u>-</u>	<u>85</u>	<u>-</u>	<u>15</u>
<u>73</u>	<u>OCM</u>	<u>2</u>	<u>6</u>	<u>-</u>	<u>92</u>
<u>62</u>	<u>SO/WCM</u>	<u>2</u>	<u>3</u>	<u>32</u>	<u>63</u>
<u>125</u>	<u>MCW w/oil spots</u>	<u>-</u>	<u>1</u>	<u>64</u>	<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 270 BHT 136 Gravity 24.4 API RW 311 @ 67.7 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic 2102 Test 1250 T-On Location 4:15
 (B) First Initial Flow 21 Jars 250 T-Started 5:27
 (C) First Final Flow 106 Safety Joint 75 T-Open 7:53
 (D) Initial Shut-In 1179 Circ Sub _____ T-Pulled 11:59
 (E) Second Initial Flow 109 Hourly Standby _____ T-Out 14:10
 (F) Second Final Flow 145 Mileage 108 RT 167.40 Comments Tool slid 6' to bottom
 (G) Final Shut-In 1103 Sampler _____ before open - No mud loss
 (H) Final Hydrostatic 2098 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Sub Total 1742.40

Sub Total 1742.40
 Total 1742.40
 MP/DST Disc't _____

Approved By Rocky Milford Our Representative James Winder
 Trilobite Testing Inc. shall not be liable for damaged or any kind of 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 statements or opinion concerning the results 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56983

Well Name & No. Burk Trust 'A' #6-23 Test No. 3 Date 4-2-14
 Company Murfin Drilling Co. Inc Elevation 3302 KB 3297 GL
 Address 250 N. Water Suite 300 Wichita, KS 67202
 Co. Rep / Geo. Rocky Milford Rig Murfin #8
 Location: Sec. 23 Twp. 15 Rge. 36W Co. Rawlins State KS

Interval Tested 4303 - 4370 Zone Tested LKC "G"
 Anchor Length 67 Drill Pipe Run 4103 Mud Wt. 9.0
 Top Packer Depth 4298 Drill Collars Run 187 Vis 63
 Bottom Packer Depth 4303 Wt. Pipe Run - WL 5.6
 Total Depth 4370 Chlorides 1000 ppm System LCM 10

Blow Description IF: Blow built to BOB(11") in 23 min.
ISI: Blowback built to 3/4"
FF: Blow built to BOB in 20 min.
FSI: Blowback built to 2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>110</u>	<u>60</u>	<u>17</u>	<u>79</u>	<u>-</u>	<u>4</u>
<u>75</u>	<u>0M</u>	<u>7</u>	<u>43</u>	<u>-</u>	<u>50</u>
<u>125</u>	<u>60cm</u>	<u>22</u>	<u>29</u>	<u>-</u>	<u>49</u>
<u> </u>	<u>GIP=380'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 310 BHT 137 Gravity 32 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2125 Test 1250 T-On Location 22:45 4/2
 (B) First Initial Flow 25 Jars 250 T-Started 23:53
 (C) First Final Flow 100 Safety Joint 75 T-Open 3:01
 (D) Initial Shut-In 567 Circ Sub T-Pulled 7:03
 (E) Second Initial Flow 107 Hourly Standby T-Out 9:35 4/3
 (F) Second Final Flow 140 Mileage 108RT 167.40 Comments
 (G) Final Shut-In 552 Sampler
 (H) Final Hydrostatic 2118 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 60 Extra Packer Extra Copies
 Final Flow 60 Extra Recorder Sub Total 0
 Final Shut-In 90 Day Standby Total 1742.40
 Accessibility MP/DST Disc't
 Sub Total 1742.40

Approved By Robert Milford Our Representative James Winder

Trilobite Testing Inc. shall not be liable for damaged at any kind of 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 statements or opinion concerning the results 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56984

Well Name & No. Burk Trust 'A' #6-23 Test No. 4 Date 4-3-14
 Company Murfin Drilling Co. Inc Elevation 3302 KB 3297 GL
 Address 250 N. Water Suite 300 Wichita, KS 67202
 Co. Rep / Geo. Rocky Milford Rig Murfin #8
 Location: Sec. 23 Twp. 1s Rge. 36w Co. Rawlins State KS

Interval Tested 4405-4460 Zone Tested LKC "J"
 Anchor Length 55 Drill Pipe Run 4196 Mud Wt. 9.3
 Top Packer Depth 4400 Drill Collars Run 187 Vis 64
 Bottom Packer Depth 4405 Wt. Pipe Run - WL 6.4
 Total Depth 4460 Chlorides 1100 ppm System LCM 8

Blow Description IF: Blow built to BOB (11") in 8 1/4 min.
ISI: Blowback built to 2"
FF: Blow built to BOB in 11 1/4 min.
FSI: Blowback built to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>MCO</u>	<u>2</u>	<u>91</u>	<u>-</u>	<u>7</u>
<u>180</u>	<u>OCM</u>	<u>3</u>	<u>10</u>	<u>-</u>	<u>87</u>
<u>190</u>	<u>WM w/oilspots</u>	<u>3</u>	<u>3</u>	<u>45</u>	<u>49</u>
<u>437</u>	<u>MCW w/trace oil</u>	<u>%gas</u>	<u>trace</u>	<u>94</u>	<u>6</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 827 BHT 147 Gravity 32.6 API RW .618 @ 31.1 °F Chlorides 25000 ppm

(A) Initial Hydrostatic 2208 Test 1250 T-On Location 20:45 4/3
 (B) First Initial Flow 153 Jars 250 T-Started 21:45
 (C) First Final Flow 261 Safety Joint 75 T-Open 00:35
 (D) Initial Shut-In 525 Circ Sub _____ T-Pulled 4:36
 (E) Second Initial Flow 278 Hourly Standby _____ T-Out 7:50 4/4
 (F) Second Final Flow 402 Mileage 108 RT 167.40 Comments Tool chased 13' to
 (G) Final Shut-In 521 Sampler _____ bottom at open - lost 15' of
 (H) Final Hydrostatic 2201 Straddle _____ mud
 Ruined Shale Packer _____
 Ruined Packer 320

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 60 Extra Recorder _____ Sub Total 0
 Final Flow 60 Day Standby _____ Total 2062.40
 Final Shut-In 90 Accessibility _____ MP/DST Disc't _____
 Sub Total 1742.40

Approved By Rocky Milford Our Representative James Winder
 Trilobite Testing Inc. shall not be liable for damaged or any kind of 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 statements or opinion concerning the results 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.



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

*acct.
Prod-CH*

INVOICE

Invoice Number: 142229
Invoice Date: Mar 28, 2014
Page: 1

Bill To:
Murfin Drlg. Co., Inc.
250 N. Water
STE #300
Wichita, KS 67202

Customer ID	Field Ticket #	Payment Terms	
Murfin	62056	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 28, 2014	4/27/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Burk Trust A #6-23		
250.00	CEMENT MATERIALS	Class A Common	17.90	4,475.00
9.00	CEMENT MATERIALS	Chloride	64.00	576.00
262.50	CEMENT SERVICE	Cubic Feet Charge	2.48	651.00
907.72	CEMENT SERVICE	Ton Mileage Charge	2.60	2,360.07
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	EQUIPMENT OPERATOR	Talon Jones		
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

Subtotal	10,756.82
Sales Tax	399.03
Total Invoice Amount	11,155.85
Payment/Credit Applied	
TOTAL	11,155.85

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 3,764.89 *360*

ONLY IF PAID ON OR BEFORE

Apr 22, 2014

OK

SR

3764.89

7390.96

ALLIED OIL & GAS SERVICES, LLC 062056

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999

SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley ks

DATE <u>3-28-14</u>	SEC. <u>23</u>	TWP. <u>1</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30</u>	JOB FINISH <u>3:00</u>
LEASE <u>Burk Trust</u>	WELL # <u>A' 6-33</u>	LOCATION <u>Beadsby ks N to Rd AA</u>			COUNTY <u>Rawlins</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		W to Rd 5.5 N to Rd BB W & S into					

CONTRACTOR Murkin #8 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 262 ft CEMENT AMOUNT ORDERED 250 sks com 3% CC

CASING SIZE 8 5/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON 250 sks @ 17.90 4,475.00

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. 15 ft. GEL @

PERFS. CHLORIDE 9 sks @ 64.00 576.00

DISPLACEMENT No. 661 ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Talon Jones

422 HELPER Andrew Forslund

BULK TRUCK

396/306 DRIVER Brandon Wilkinson

BULK TRUCK

DRIVER

HANDLING 262.5 cart @ 2.48 651.00

MILEAGE 12.1036 x 75 mi @ 2.40 2,360.00

TOTAL 8,062.09

REMARKS:

mix 250 sks @ 262 ft

cement did circulate

15 bbls

Thank you!

CHARGE TO: Murkin drly

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 1,512.75

EXTRA FOOTAGE @

MILEAGE 75 mi @ 7.70 577.50

MANIFOLD Sledge @ 275.00

light duty mi 75 mi @ 4.40 330.00

TOTAL 2,694.75

PLUG & FLOAT EQUIPMENT

 @ _____
 @ _____
 @ _____
 @ _____
 @ _____

TOTAL _____

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

PRINTED NAME Rodney Farr

SIGNATURE Rodney Farr

SALES TAX (If Any) _____

TOTAL CHARGES 10,756.84

DISCOUNT 3,764.89 IF PAID IN 30 DAYS

6,991.94 Net



CONSOLIDATED
Oil Well Services, LLC

Francis

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

Margos

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 267158

Invoice Date: 04/08/2014 Terms: 10/10/30,n/30

Page 1

MURFIN DRILLING
P.O. BOX 288
RUSSELL KS 67655
() -

BURK TRUST A 6-23
38169
23-1S-36W
04-05-2014
KS

APPROVED

JR
FH

67655 FOR IC 103

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	200.00	23.7000	4740.00
1104D	CLASS "A" CEMENT CMD	300.00	27.9200	8376.00
1110A	KOL SEAL (50# BAG)	1000.00	.5600	560.00
1107	FLO-SEAL (25#)	150.00	2.9700	445.50
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
1142A	KCL SUB MB6875 CC3107 (1	2.00	41.1000	82.20
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4454	5 1/2" LATCH DOWN PLUG	1.00	567.0000	567.00
4136	TURBOLIZER 5 1/2"	14.00	75.7500	1060.50
4104	CEMENT BASKET 5 1/2"	3.00	290.0000	870.00
4315	ROTATING SCRATCHERS	15.00	94.5000	1417.50
4310	5 1/2" ROTATING HEAD	1.00	150.0000	150.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-1920.25
9995-130	CEMENT EQUIPMENT DISCOUNT	-711.73

Description	Hours	Unit Price	Total
T-118 CEMENT PUMP	1.00	3175.00	3175.00
T-118 EQUIPMENT MILEAGE (ONE WAY)	85.00	5.25	446.25
T-127 TON MILEAGE DELIVERY	1.00	3496.05	3496.05

IC103 Z 0597.0006.1 25053.05 Cement Prod Cqg #6-23

Amount Due 27836.73 if paid after 05/08/2014

Parts:	19202.45	Freight:	.00	Tax:	1365.28	AR	25053.05
Labor:	.00	Misc:	.00	Total:	25053.05		
Sublt:	-2631.98	Supplies:	.00	Change:	.00		

Signed _____

Date _____



CONSOLIDATED
Oil Well Services, LLC

267158

TICKET NUMBER 38169
LOCATION Oakley Ks
FOREMAN Jerry Y
Miles 5

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
4-5-14	5406	Bark Tract A 6-23	23	15	364	Rawlins
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address			456-7-118	Jordan L		
CITY			529-7-127	Doc K		
STATE						
ZIP CODE						

JOB TYPE long string HOLE SIZE 7 7/8 HOLE DEPTH 4605 CASING SIZE & WEIGHT 5 1/2 15.5*
CASING DEPTH 4600 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 11/14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 22.25'
DISPLACEMENT 109 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on Marlin 8 run float equip turbolizers on 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 33, 52, baskets 13, 34, 53, run casing to bottom hook up to mud tree & pump 11 then circulate 45 min hook up to truck pump 6 bbl lead, 500 gal WFR 2, 5 bbl water behind mix 250 sks CMD lead & 200 sks OWC tail shut down release plug clean pump & lines and displace w/ 1000 fresh water plug loaded @ 1900' with 1400' 1.44, released back & float held 30 sks circulated to pit 30 Rh 20 Mh

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	3175.00	3175.00
5406	85	MILEAGE	5.25	446.25
5407A	23.5	ton mileage delivery	1.25	349.05
1126	200 sks	OWC	23.70	4740.00
1104D	300 sks	CMD	27.92	8376.00
1104A	1000#	Kolseal	56	5600.00
1107	150#	Flascol	29.2	4455.00
1144G	500 gal	WFR 2 med fluid	1.00	500.00
1142A	2 gal	KCL	41.00	82.00
4159	1	5 1/2 AFU float shoe (w)	433.25	433.25
4454	1	5 1/2 latchdown assy (w)	567.00	567.00
4136	14	5 1/2 turbolizers (w)	75.25	1060.50
4104	3	5 1/2 baskets (w)	290.00	870.00
4315	15	5' Scrubbers (w)	94.50	1417.50
4310	1	5 1/2 rotating head	150.00	150.00
		subtotal		26319.75
		less 10% disc		2631.98
		subtotal		23687.77
		SALES TAX		13165.88
		ESTIMATED TOTAL		25053.05

Revin 3737

AUTHORIZATION Bud Sabo TITLE _____ DATE _____

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.

Burk Trust 'A' #6-23
 Daily Drilling Report
 Page Two

4/3/14 Depth 4370'. Cut 60'. DT: None. CT: 21¼ hrs. Dev.: None. **LKC G**: fr-gd fos-vug por, fr amnt lt-drk brn patchy-sat stn, FSFO, sli odor. **DST #3 4303-4370 (LKC G)**: 30-60-60-90. IF: BOB in 23 min. ISI: blw back built to ¾". FF: BOB in 20 min. FSI: blw back built to 2". Rec. 380' GIP, 310' TF, 110' CGO (17%G, 79%O, 4%M), 75' OM (7%G, 43%O, 50%M), 125 GOCM (22%G, 29%O, 49%M). Oil Gravity 32° API. HP: 2125-2118. FP: 25/100, 107/140. SIP: 567-552. BHT: 137°.

4/4/14 Depth 4460'. Cut 90'. DT: 1hr Drlg line. CT: 19¼ hrs. Dev.: None. **LKC G**: pr por, tr lt brn sptd-patchy stn, NSFO, no odor. **LKC H**: pr por, NS. **LKC I**: pr por, NS. **LKC J**: fr-gd intrprt & vug por, fr amnt lt brn patchy-sub sat w/ tr sat stn, FSFO, no odor. **DST #4 4405-4460 (LKC J)**: 30-60-60-90. IF: BOB in 8¼ min. ISI: blow back built to 2". FF: BOB in 11¼ min. FSI: blow back built to ½". Rec. 827' TF, 20' MCO (2%G, 91%O, 7%M), 180' OCM (3%G, 10%O, 87%M), 190' WM w/oil spts (3%G, 3%O, 45%W, 49 M), 437' MCW w/trc oil (trc O, 94%W, 6%M). Oil Grav 32.6° API. Chlr. 25,000 ppm. Pit chlr. 1,1000 ppm. HP: 2208-2201. FP: 153/261, 278/402. SIP: 525-521. BHT: 147°.

4/5/14 RTD 4605'. Cut 145'. DT: None. CT: 16hrs. Dev.: ¼° @ 4605'. TD @ 7:30PM 4/4. Pioneer logged 11:30PM – 4:30AM 4/5. LTD: 4606'.

4/6/14 RTD: 4605'. CT: 14hrs. Ran 109jts of 15.5# 5 ½" prod csg, set @ 4600'. C.O.W.S. cmt w/ 250sxs CMD, 200sxs OWC. PD @ 5:00PM 4/5. 30sxs RH, 20sxs MH. Circ 20BBLs. RR @ 9:00PM 4/5/2014 FINAL REPORT

MDCI Burk Trust 'A' #6-23 330' FNL 1650' FWL Sec. 23-T1S-R36W 3302' KB							Berexco Michael #3-23 990FNL 990FWL Sec. 23-T1S-R36W 3272' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	3217	+85	-7	3214	+88	-4	3180	+92
B/Anhydrite	3245	+57	-5	3245	+57	-5	3210	+62
Neva	3697	-395	-5	3698	-396	-6	3662	-390
Red Eagle	3758	-456	-6	3759	-457	-7	3722	-450
Foraker	3804	-502	-5	3806	-504	-7	3769	-497
Topeka	4026	-724	-9	4022	-720	-5	3987	-715
Oread	4137	-835	-9	4134	-832	-6	4098	-826
Lansing	4236	-934	-8	4236	-934	-8	4198	-926
Stark	4458	-1156	-7	4460	-1158	-9	4421	-1149
BKC	4505	-1203	-5	4502	-1200	-2	4470	-1198
RTD	4605						4550	
LTD				4606				