



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1187544
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1187544

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Formation	MDCI Burk Trust 'C' #3-22 330' FSL 400' FEL Sec. 22-T1S-R36W 3240' KB						MDCI Burk Trust 'C' #1-22 1980' FSL 660' FEL Sec. 22-T1S-R36W 3225' KB		Berexco Bernita #1-27 440' FNL 340' FEL Sec. 27-T1S-R36W 3229' KB	
	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum	Log Top	Datum
Anhydrite	3135	+105	+2 / -2	3138	+102	-1 / -5	3122	+103	3122	+107
B/Anhydrite	3175	+65	-8 / -4	3174	+66	-7 / -3	3152	+73	3160	+69
Neva	3627	-387	-7 / -2	3627	-387	-7 / -2	3605	-380	3614	-385
Red Eagle	3690	-450	-10 / -4	3688	-448	-8 / -2	3665	-440	3675	-446
Foraker	3736	-496	-7 / -2	3737	-497	-8 / -3	3714	-489	3723	-494
Topeka	3954	-714	-9 / -2	3956	-716	-11 / -4	3930	-705	3941	-712
Oread	4068	-828	-13 / +5	4069	-829	-14 / -14	4040	-815	4062	-833
Lansing	4168	-928	-5 / +2	4173	-933	-10 / -3	4148	-923	4159	-930
Stark	4392	-1152	-11 / -5	4392	-1152	-11 / -5	4366	-1141	4376	-1147
BKC	4438	-1198	-9 / -6	4438	-1198	-9 / -6	4414	-1189	4421	-1192
Pawnee							4534	-1309	4546	-1317
Cherokee							4620	-1395		
Mississippi										
RTD	4545						4720	-1495	4600	-1371
LTD				4547			4719	-1494	4599	-1370



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

Well Name: Burk Trust 'C' #3-22
 Location: W2 SE SE SE Sec 22 T15 R36W
 License Number:
 Spud Date: 10/18/2013
 Surface Coordinates: 330' FSL & 400' FEL
 Region: Rawlins County, KS
 Drilling Completed: 10/26/2013

Bottom Hole Coordinates:
 Ground Elevation (ft): 3235
 Logged Interval (ft): 3520
 Formation:
 Type of Drilling Fluid: Chemical Mud

K.B. Elevation (ft): 3240
 Total Depth (ft): 4545

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

OPERATOR

Company: Murfin Drilling Co., Inc.
 Address: 250 N Water, Suite 300
 Wichita, KS 67202

GEOLOGIST

Name: Clayton Erickson
 Company: Erickson Wellsite Geology
 Address: 402 Palmer Street
 P.O. Box 294
 Loomis, NE 68958

DSTs

DST #1 4230-4240; 30-60-30-60; Hydro: 2260-2140 IFFP: 21-90 ISIP: 933 FFP: 130-160 FSIP: 914; Rec: 62' 45%
 55%w, 62' 20% 80%w, 62' 10% 60%w 30%w, 62' 10% 50%w 40%w; Cht: 34,000ppm; IF: surface ISI: dead FF: dead FSI: dead

DST #2 4256-4325; 30-60-60-90; Hydro: 2198-2133 IFFP: 22-32 ISIP: 1196 FFP: 30-44 FSIP: 1331; Rec: 45' 60%
 40%w; BHT: 124; IF: surface ISI: dead FF: 3" FSI: dead

DST #3 4340-4395; 30-60-60-90; Hydro: 2281-2192 IFFP: 39-47 ISIP: 1174 FFP: 109-62 FSIP: 1166; Rec: 30' 35%
 65%w; BHT: 135; IF: 1" ISI: dead FF: v weak surface FSI: dead

COMMENTS

FORMATION TOPS

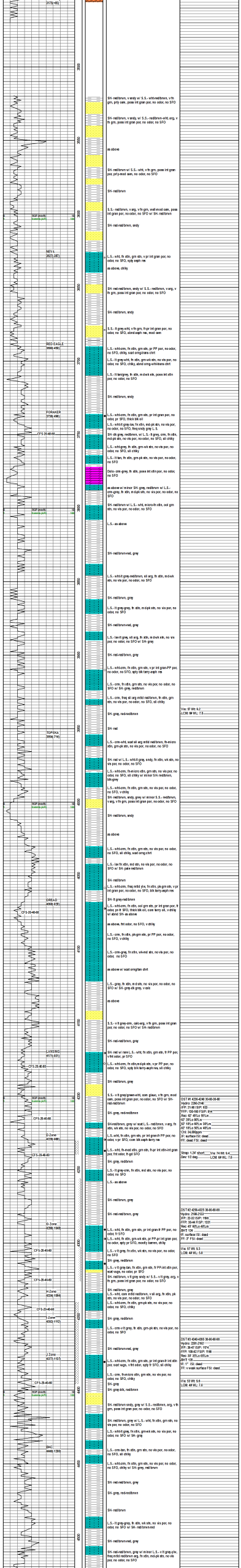
Formation	Log Tops	Sample tops
Anhydrite	3137(+103)	3135(+105)
Base Anhy	3172(+68)	3175(+65)
NEVA	3627(-387)	3627(-387)
RED EAGLE	3688(-448)	3690(-450)
FORAKER	3738(-498)	3736(-496)
TOPEKA	3956(-716)	3954(-714)
OREAD	4078(-838)	4068(-828)
LANSING	4173(-933)	4171(-931)
BKC	4438(-1198)	4440(-1200)
TD	4547(-1307)	4545(-1305)

ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Carb. shale	ligne	Salt	Silst
Brec	Arkose	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Tll

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Quas		Dst





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste.300
Wichita KS 67202

ATTN: Clayton Erickson

Burk Trust C #3-22

22 1s 36w Rawlins KS

Start Date: 2013.10.23 @ 16:35:00

End Date: 2013.10.24 @ 00:40:00

Job Ticket #: 53585 DST #: 1

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

Printed: 2013.10.29 @ 08:31:37

Murfin Drilling Co. 22 1s 36w Rawlins KS Burk Trust C #3-22 DST # 1 LKC-D 2013.10.23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53585

DST#: 1

ATTN: Clayton Erickson

Test Start: 2013.10.23 @ 16:35:00

GENERAL INFORMATION:

Formation: **LKC-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:58:30

Time Test Ended: 00:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 4230.00 ft (KB) To 4240.00 ft (KB) (TVD)

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4240.00 ft (KB) (TVD)

3235.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8673

Inside

Press @ Run Depth: 159.98 psig @ 4231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.23

End Date:

2013.10.24

Last Calib.: 2013.10.24

Start Time: 16:35:01

End Time:

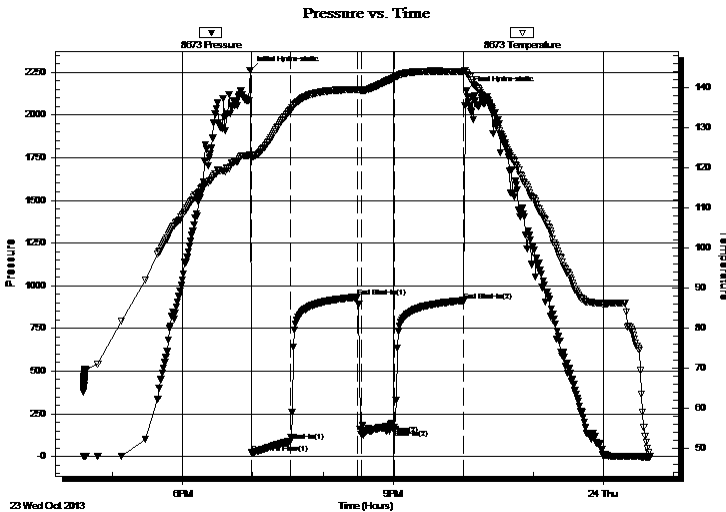
00:40:00

Time On Btm: 2013.10.23 @ 18:57:30

Time Off Btm: 2013.10.23 @ 22:02:30

TEST COMMENT: IF: Weak surface blow over 30 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2260.49	123.07	Initial Hydro-static
1	21.41	122.42	Open To Flow (1)
35	89.58	134.32	Shut-In(1)
92	933.07	139.49	End Shut-In(1)
95	129.85	139.20	Open To Flow (2)
124	159.98	142.45	Shut-In(2)
183	913.58	143.87	End Shut-In(2)
185	2140.24	143.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	ocw m-10%o40%m50%w	0.30
62.00	ocmw -10%o30%m50%w	0.30
62.00	ocw -20%o80%w	0.30
62.00	ocw -45%o55%w	0.87

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53585

DST#: 1

ATTN: Clayton Erickson

Test Start: 2013.10.23 @ 16:35:00

Tool Information

Drill Pipe:	Length: 4041.00 ft	Diameter: 3.80 inches	Volume: 56.68 bbl	Tool Weight: 2600.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 57.59 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4230.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4207.00	
Hydraulic tool	5.00			4212.00	
Jars	5.00			4217.00	
Safety Joint	3.00			4220.00	
Packer	5.00			4225.00	28.00 Bottom Of Top Packer
Packer	5.00			4230.00	
Stubb	1.00			4231.00	
Recorder	0.00	8673	Inside	4231.00	
Recorder	0.00	8651	Outside	4231.00	
Perforations	6.00			4237.00	
Bullnose	3.00			4240.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53585

DST#: 1

ATTN: Clayton Erickson

Test Start: 2013.10.23 @ 16:35:00

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: 76.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	ocw m-10%o40%m50%w	0.305
62.00	ocmw -10%o30%m50%w	0.305
62.00	ocw -20%o80%w	0.305
62.00	ocw -45%o55%w	0.870

Total Length: 248.00 ft

Total Volume: 1.785 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

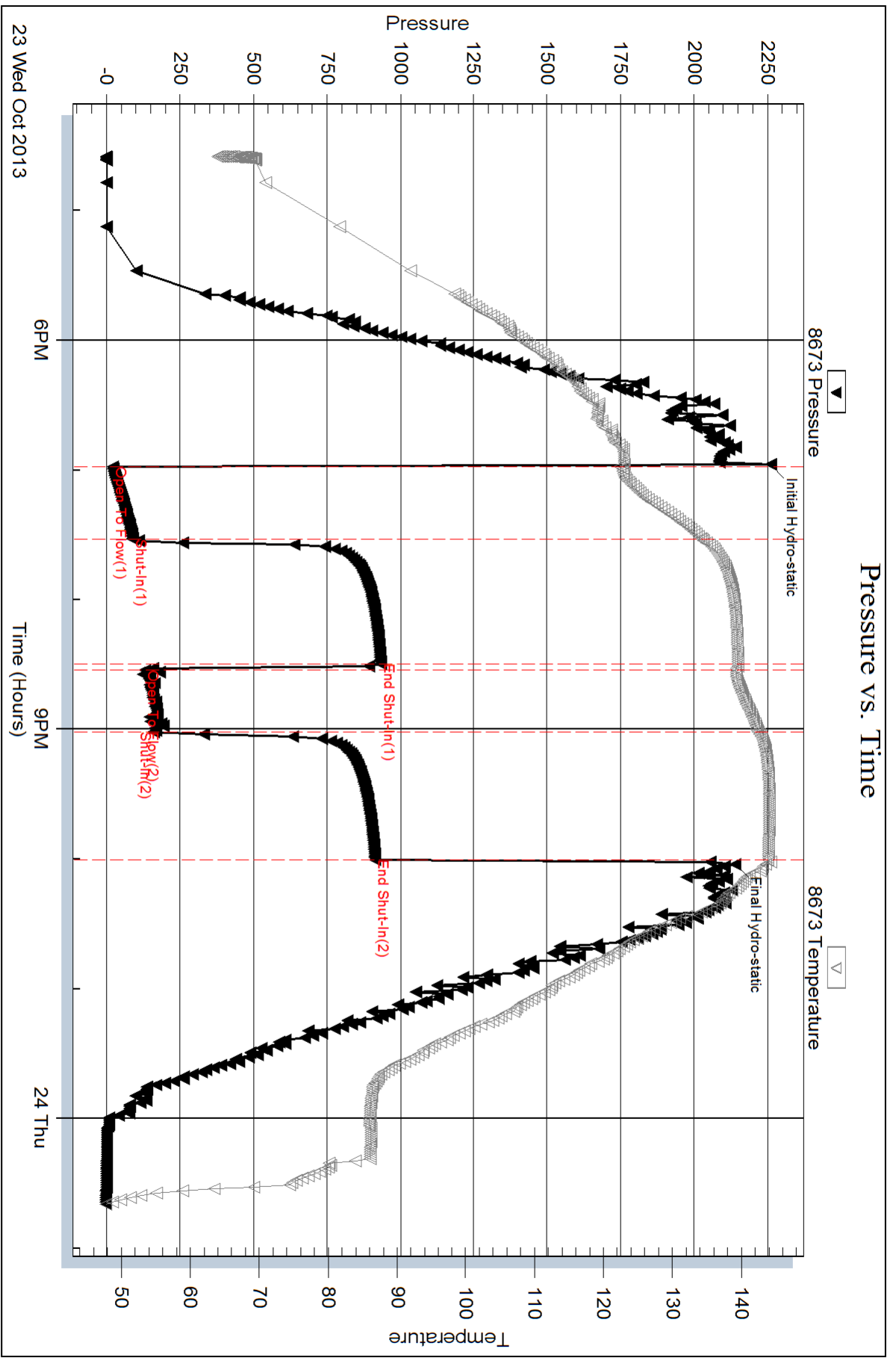
Serial #: 8673

Inside

Murfin Drilling Co.

Burk Trust C#3-22

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 53585

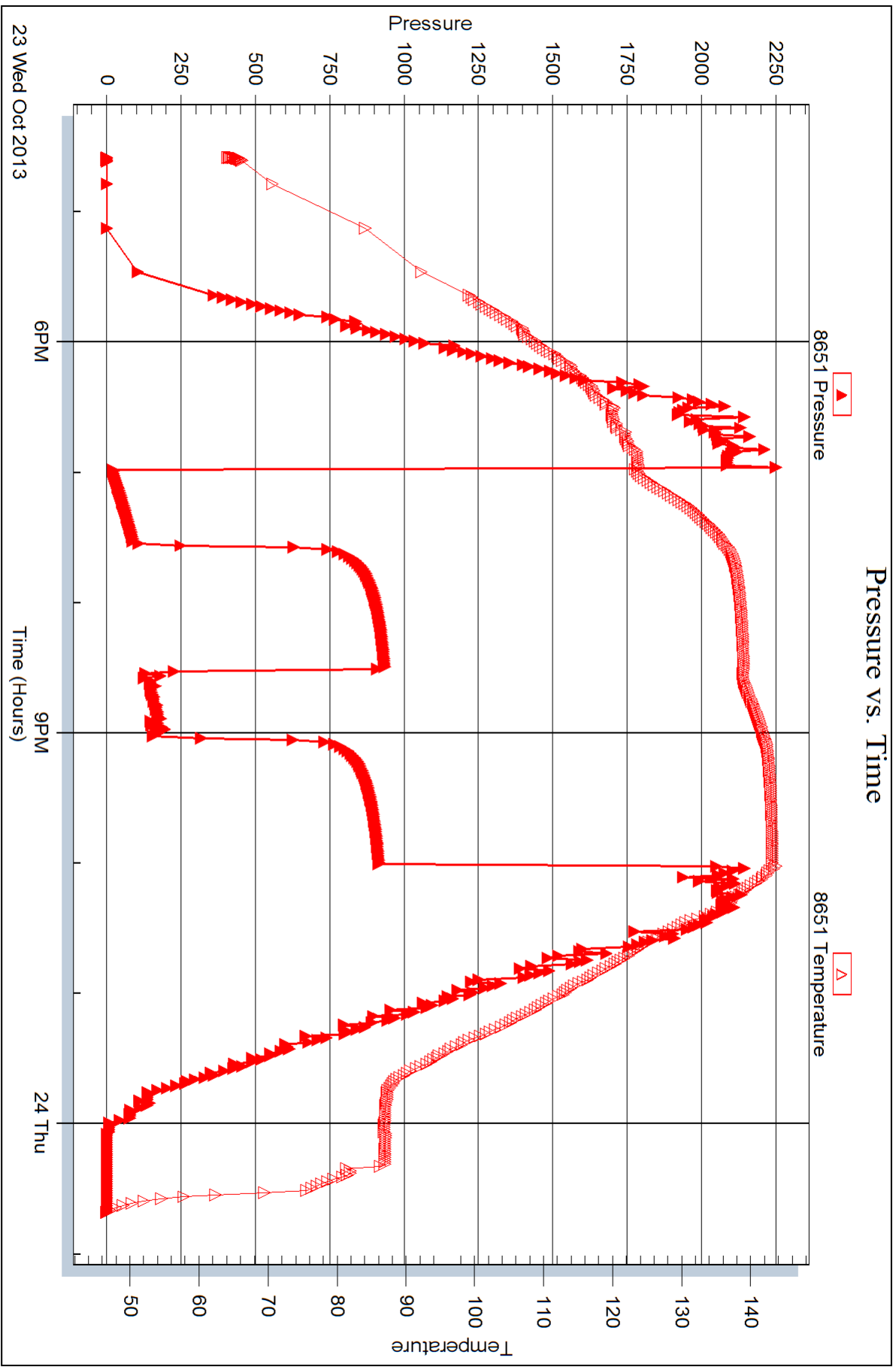
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Serial #: 8651

Outside Murfin Drilling Co.

Burk Trust C#3-22

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 53585

Printed: 2013.10.29 @ 08:31:39



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste.300
Wichita KS 67202

ATTN: Clayton Erickson

Burk Trust C #3-22

22 1s 36w Rawlins KS

Start Date: 2013.10.24 @ 13:05:00

End Date: 2013.10.24 @ 21:31:00

Job Ticket #: 53586 DST #: 2

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

Printed: 2013.10.29 @ 08:31:06

Murfin Drilling Co. 22 1s 36w Rawlins KS Burk Trust C #3-22 DST # 2 LKC-G 2013.10.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53586

DST#: 2

ATTN: Clayton Erickson

Test Start: 2013.10.24 @ 13:05:00

GENERAL INFORMATION:

Formation: **LKC-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:10:00

Time Test Ended: 21:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 4256.00 ft (KB) To 4325.00 ft (KB) (TVD)

Reference Elevations: 3240.00 ft (KB)

Total Depth: 4325.00 ft (KB) (TVD)

3235.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8673

Inside

Press @ Run Depth: 43.85 psig @ 4257.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.24

End Date:

2013.10.24

Last Calib.: 2013.10.24

Start Time: 13:05:01

End Time:

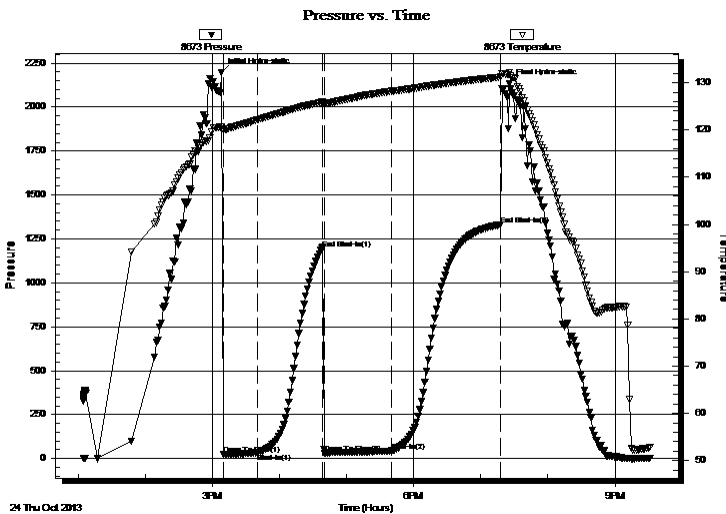
21:31:00

Time On Btm: 2013.10.24 @ 15:08:30

Time Off Btm: 2013.10.24 @ 19:25:30

TEST COMMENT: IF: Weak surface blow over 30 mins.
IS: No blow back over 60 mins
FF: Weak blow built to 3 in. over 60 mins.
FS: No blow back over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.72	120.62	Initial Hydro-static
2	22.39	120.11	Open To Flow (1)
32	32.00	122.16	Shut-In(1)
90	1195.78	125.85	End Shut-In(1)
92	29.61	125.63	Open To Flow (2)
152	43.85	128.21	Shut-In(2)
249	1330.60	131.20	End Shut-In(2)
257	2133.17	132.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	ocm-40% m60%o	0.22

* 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.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53586

DST#: 2

ATTN: Clayton Erickson

Test Start: 2013.10.24 @ 13:05:00

Tool Information

Drill Pipe:	Length: 4073.00 ft	Diameter: 3.80 inches	Volume: 57.13 bbl	Tool Weight: 2600.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 58.04 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4256.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	97.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4233.00	
Hydraulic tool	5.00			4238.00	
Jars	5.00			4243.00	
Safety Joint	3.00			4246.00	
Packer	5.00			4251.00	28.00 Bottom Of Top Packer
Packer	5.00			4256.00	
Stubb	1.00			4257.00	
Recorder	0.00	8673	Inside	4257.00	
Recorder	0.00	8651	Outside	4257.00	
Perforations	2.00			4259.00	
change Over Sub	1.00			4260.00	
Drill Pipe	31.00			4291.00	
Change Over Sub	1.00			4292.00	
Perforations	30.00			4322.00	
Bullnose	3.00			4325.00	69.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53586

DST#: 2

ATTN: Clayton Erickson

Test Start: 2013.10.24 @ 13:05:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	ocm-40% m60%o	0.221

Total Length: 45.00 ft Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

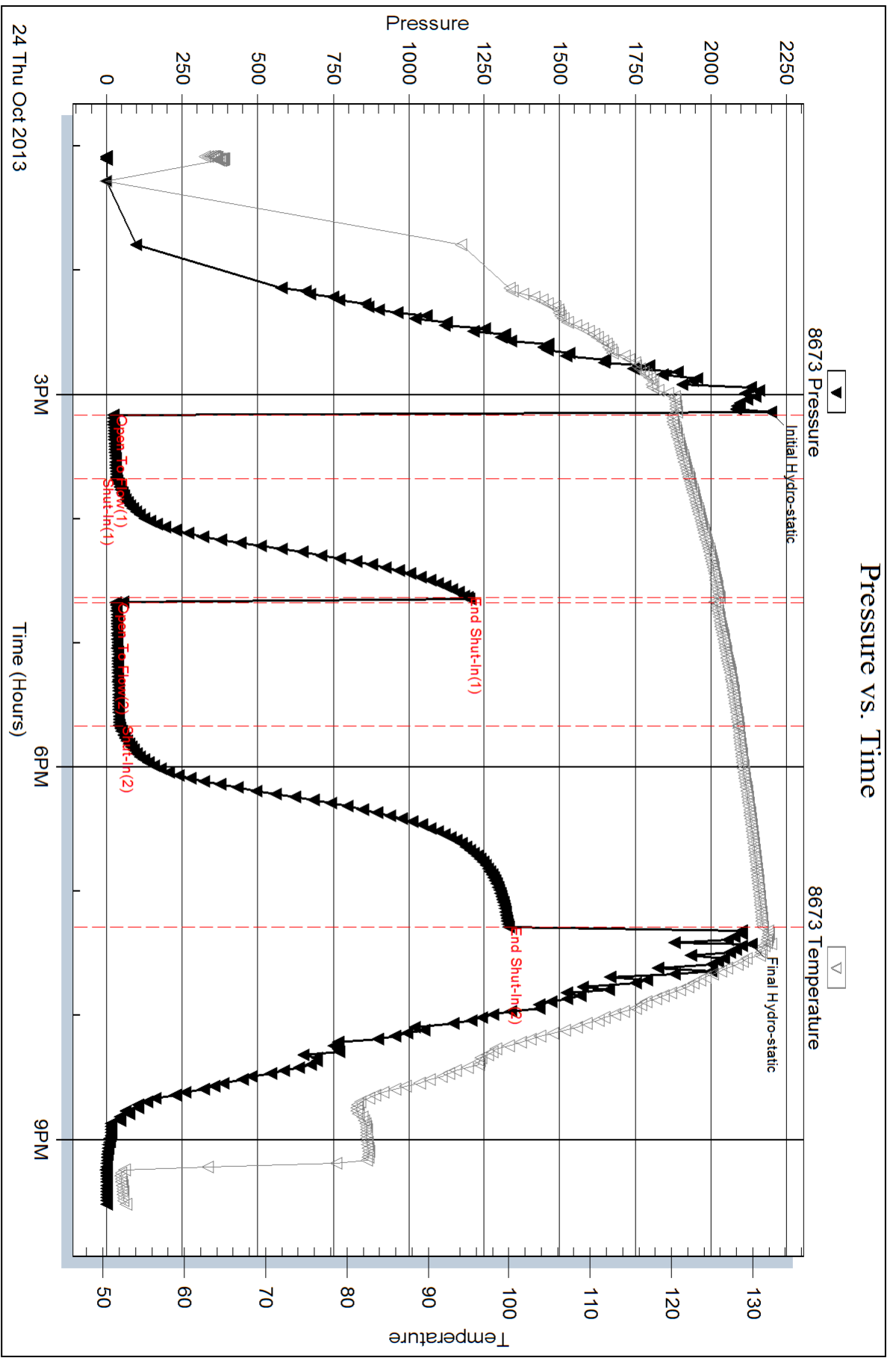
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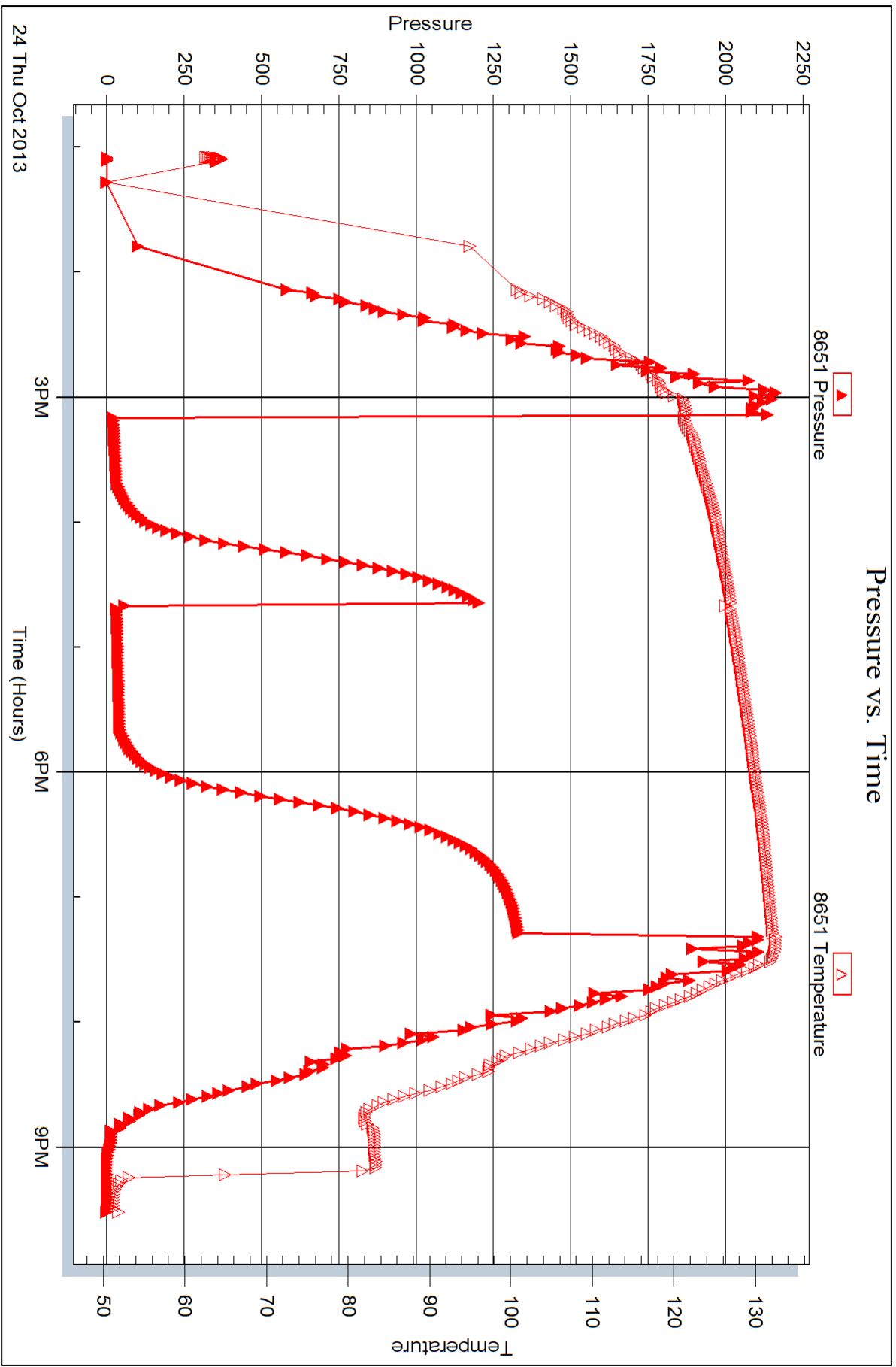
Inside

Murfin Drilling Co.

Burk Trust C#3-22

DST Test Number: 2







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water Ste.300
Wichita KS 67202

ATTN: Clayton Erickson

Burk Trust C #3-22

22 1s 36w Rawlins KS

Start Date: 2013.10.25 @ 10:40:00

End Date: 2013.10.25 @ 19:45:30

Job Ticket #: 53587 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.10.29 @ 08:30:24

Murfin Drilling Co.

22 1s 36w Rawlins KS

Burk Trust C #3-22

DST # 3

LKC-J

2013.10.25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53587

DST#: 3

ATTN: Clayton Erickson

Test Start: 2013.10.25 @ 10:40:00

GENERAL INFORMATION:

Formation: **LKC-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:21:30
 Time Test Ended: 19:45:30
 Interval: **4340.00 ft (KB) To 4395.00 ft (KB) (TVD)**
 Total Depth: 4395.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreuzer Jr.
 Unit No: 61
 Reference Elevations: 3240.00 ft (KB)
 3235.00 ft (CF)
 KB to GR/CF: 5.00 ft

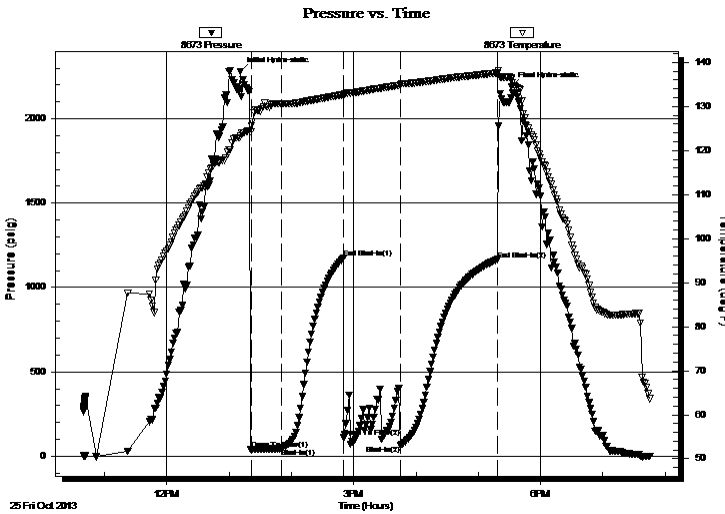
Serial #: 8673

Inside

Press @ Run Depth: 61.85 psig @ 4341.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.25 End Date: 2013.10.25 Last Calib.: 2013.10.25
 Start Time: 10:40:01 End Time: 19:45:30 Time On Btm: 2013.10.25 @ 13:11:00
 Time Off Btm: 2013.10.25 @ 17:32:00

TEST COMMENT: IF: Weak blow, Built to 1 in. over 30 mins.
 IS: No blow back
 FF: Weak blow off and on over 60 mins.
 FS: No blow back over 90 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.92	123.27	Initial Hydro-static
11	39.46	125.60	Open To Flow (1)
40	46.77	130.55	Shut-In(1)
99	1173.93	132.65	End Shut-In(1)
100	109.35	132.57	Open To Flow (2)
154	61.85	134.99	Shut-In(2)
248	1165.92	137.58	End Shut-In(2)
261	2191.61	136.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm-35%o65%m	0.15

* 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.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53587

DST#: 3

ATTN: Clayton Erickson

Test Start: 2013.10.25 @ 10:40:00

Tool Information

Drill Pipe:	Length: 4142.00 ft	Diameter: 3.80 inches	Volume: 58.10 bbl	Tool Weight: 2600.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4340.00 ft			Final 52000.00 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 Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4317.00	
Hydraulic tool	5.00			4322.00	
Jars	5.00			4327.00	
Safety Joint	3.00			4330.00	
Packer	5.00			4335.00	28.00 Bottom Of Top Packer
Packer	5.00			4340.00	
Stubb	1.00			4341.00	
Recorder	0.00	8673	Inside	4341.00	
Recorder	0.00	8651	Outside	4341.00	
Perforations	2.00			4343.00	
change Over Sub	1.00			4344.00	
Drill Pipe	32.00			4376.00	
Change Over Sub	1.00			4377.00	
Perforations	15.00			4392.00	
Bullnose	3.00			4395.00	55.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

22 1s 36w Rawlins KS

250 N. Water Ste.300
Wichita KS 67202

Burk Trust C #3-22

Job Ticket: 53587

DST#: 3

ATTN: Clayton Erickson

Test Start: 2013.10.25 @ 10:40:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	ocm-35%o65%m	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

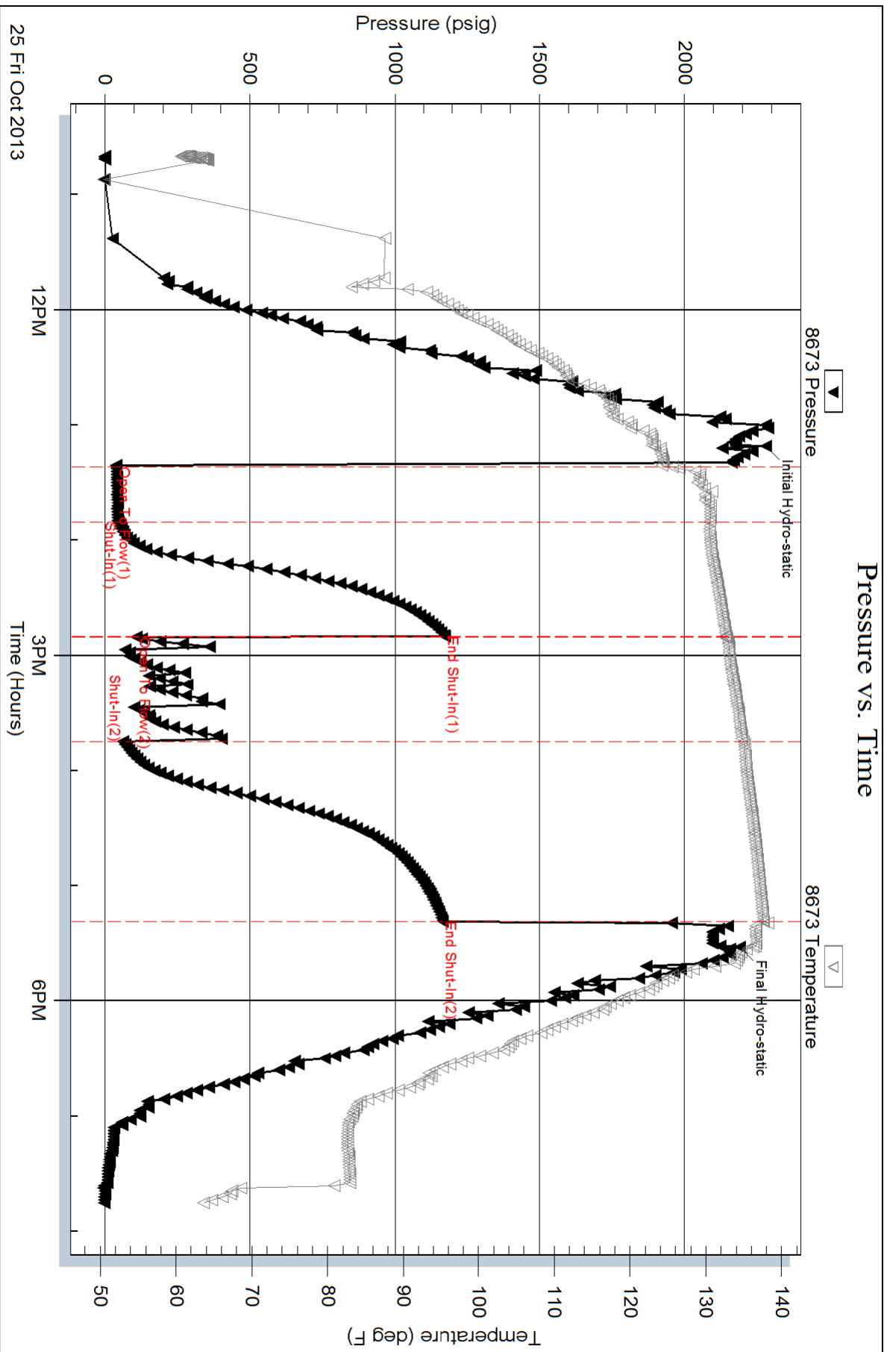
Serial #: 8673

Inside

Murfin Drilling Co.

Burk Trust C#3-22

DST Test Number: 3

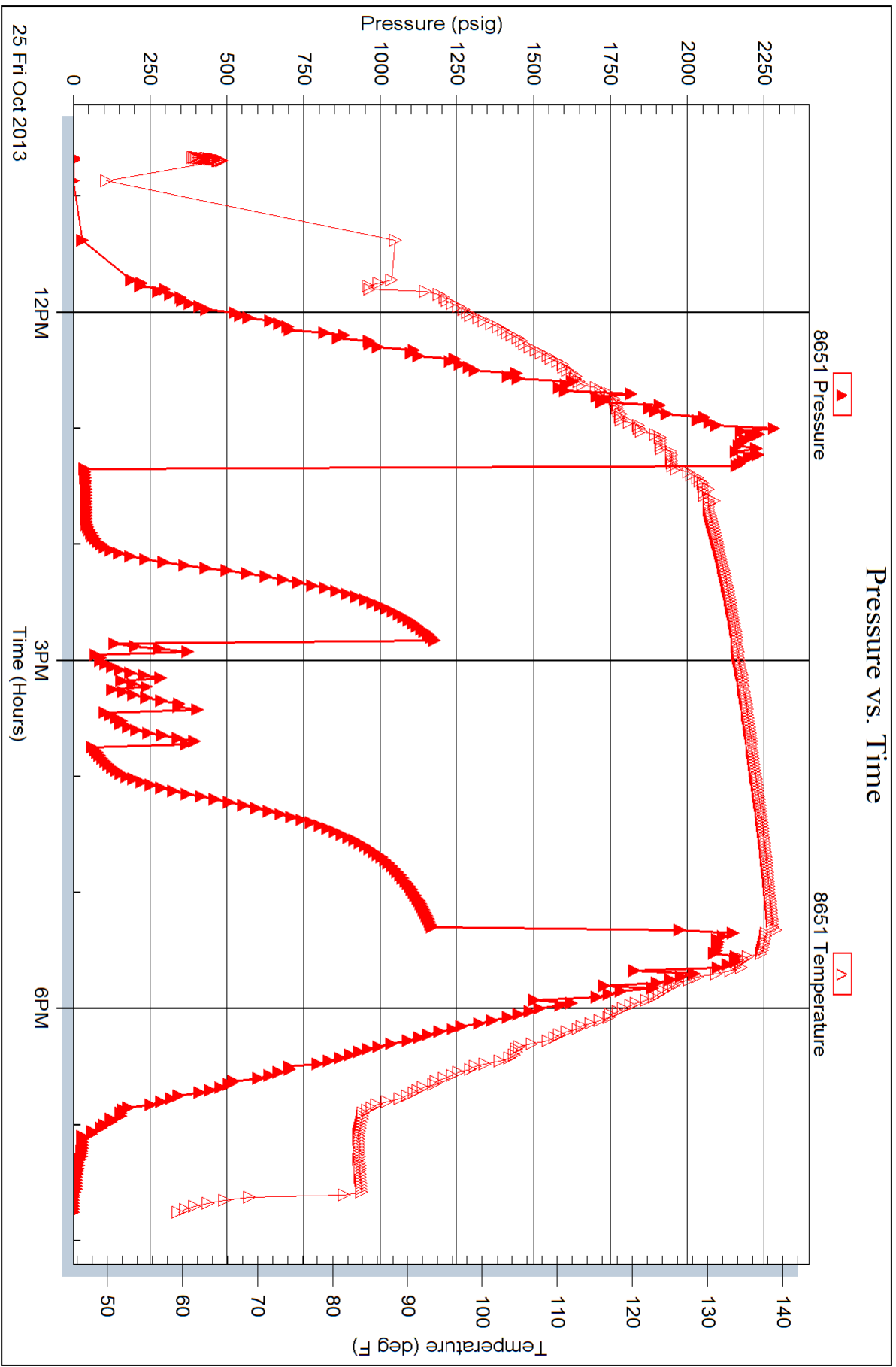


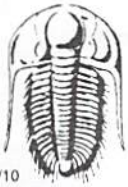
Serial #: 8651

Outside Murfin Drilling Co.

Burk Trust C#3-22

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53585

Well Name & No. Ark Trust 'C' #3-22 Test No. 1 Date 10-23-2013
 Company Murfin Drilling Co. Elevation 3240 KB 3235 GL
 Address 250 N. Water St. 300 Wichita KS.
 Co. Rep / Geo. Clayton Erickson Rig LKC-0
 Location: Sec. 22 Twp. 15 Rge. 36W Co. Rawlins State KS

Interval Tested 4230 4240 Zone Tested LKC-0
 Anchor Length 10 Drill Pipe Run 4041 Mud Wt. 9.4
 Top Packer Depth 4225 Drill Collars Run 186 Vis 76
 Bottom Packer Depth 4230 Wt. Pipe Run -0- WL 6.0
 Total Depth 4240 Chlorides 300 ppm System LCM #4

Blow Description IFI Weak surface blow over 30 mins

ISI: No blow back

FF: No blow

FSD: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>OCW</u>	<u>45</u>	<u>55</u>	<u>55</u>	<u>5</u>
<u>62</u>	<u>OCW</u>	<u>20</u>	<u>80</u>	<u>80</u>	<u>4</u>
<u>62</u>	<u>OCMW</u>	<u>10</u>	<u>60</u>	<u>60</u>	<u>30</u>
<u>62</u>	<u>OCWM</u>	<u>10</u>	<u>50</u>	<u>50</u>	<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 248 BHT 142.4 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2260 Test 1250 T-On Location 14:15
 (B) First Initial Flow 21 Jars 250 T-Started 16:35
 (C) First Final Flow 90 Safety Joint 75 T-Open 19:58
 (D) Initial Shut-In 933 Circ Sub _____ T-Pulled 10:00
 (E) Second Initial Flow 130 Hourly Standby _____ T-Out 06:40
 (F) Second Final Flow 160 Mileage 54 x 2 = 108 x 1.55 = 167.40 Comments _____
 (G) Final Shut-In 914 _____
 (H) Final Hydrostatic 2140 _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Shale Packer _____ Ruined Packer _____
 Final Flow 36 Extra Packer _____ Extra Copies _____
 Final Shut-In 60 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1742.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1742.40

Approved By _____ Our Representative Chuck Kuyper
 Trilobite Testing Inc. shall not be liable for damaged of 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. 53586

Well Name & No. Burk Trust '0' #3-22 Test No. 2 Date 10-24-2013
 Company Murfin Drilling Co. Elevation 3240 KB 3235 GL
 Address 250 N. water ste. 300 wichita ks.
 Co. Rep / Geo. Clayton Erickson Rig LKC-D
 Location: Sec. 22 Twp. 15 Rge. 36w Co. Rawlins State Ks

Interval Tested 4256 4325 Zone Tested LKC-G
 Anchor Length 69 Drill Pipe Run 4073 Mud Wt. 9.3
 Top Packer Depth 4251 Drill-Collars Run 186 Vis 5.7
 Bottom Packer Depth 4256 Wt. Pipe Run -0- WL 5.8
 Total Depth 4325 Chlorides 300 ppm System LCM 4#

Blow Description IF: Weak surface Blow over 30mins.

ESI: No blow ball

FF: weak blow built to 3in. over 60mins

FSF: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>OCM</u>		<u>60%</u>		<u>40%</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 45 BHT 124 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

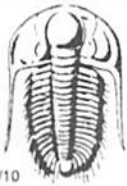
(A) Initial Hydrostatic 2198 Test 1250 T-On Location 13:13
 (B) First Initial Flow 22 Jars 250 T-Started 14:05
32 Safety Joint 75 T-Open 15:10
 (C) First Final Flow 1196 Circ Sub _____ T-Pulled 20:15
 (D) Initial Shut-In 30 Hourly Standby _____ T-Out 21:31
 (E) Second Initial Flow 44 Mileage 54x2 = 108x1.56 167.40
 (F) Second Final Flow 1331 Sampler _____
 (G) Final Shut-In 2133 Straddle _____
 (H) Final Hydrostatic 30 Shale Packer _____
60 Shale Packer _____
60 Extra Packer _____
40 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1742.40

MP/DST Disc't _____

Approved By _____ Our Representative Chad [Signature]

Trilobite Testing Inc. shall not be liable for damaged of 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. 53587

Well Name & No. Burk Trust 'C' # 3-22 Test No. 3 Date 10-25-2013
 Company Murfin Drilling Co. Elevation 3240 KB 3235 GL
 Address 250 N. Water Ste. 300 Wichita Ks,
 Co. Rep / Geo. Clayton Erickson Rig LKC-D
 Location: Sec. 22 Twp. 15 Rge. 36w Co. Rawlins State Ks.

Interval Tested 4340 4395 Zone Tested LKC-D
 Anchor Length 55 Drill Pipe Run 4142 Mud Wt. 9.3
 Top Packer Depth 4335 Drill Collars Run 186 Vis 57
 Bottom Packer Depth 4340 Wt. Pipe Run -0- WL 5.8
 Total Depth 4395 Chlorides 200 ppm System LCM 4#

Blow Description IF: Weak blow, Built to 1in. over 30 mins.
ISF: No blow back

FF: Weak blow off and on over 60 mins

FSF: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>OCM</u>		<u>35</u>		<u>65</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 30 BHT 135 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2281 Test 1250 T-On Location 10:00
 (B) First Initial Flow 39 Jars 250 T-Started 10:40
 (C) First Final Flow 47 Safety Joint 75 T-Open 13:21
 (D) Initial Shut-In 1174 Circ Sub _____ T-Pulled 17:15
 (E) Second Initial Flow 109 Hourly Standby _____ T-Out 19:45
 (F) Second Final Flow 62 Mileage 54x2 = 108x1.55 = 167.40x2 = 334.80 Comments _____
 (G) Final Shut-In 2148 _____ - Went out to load tools
 (H) Final Hydrostatic 2192 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 1909.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1909.80

Approved By _____ Our Representative Chuck [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of 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

INVOICE

*acct.
L.H. Prod.*

Invoice Number: 139256
Invoice Date: Oct 18, 2013
Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	61179	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 18, 2013	11/17/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Burk Trust C #3-22		
220.00	CEMENT MATERIALS	Class A Common	17.90	3,938.00
8.00	CEMENT MATERIALS	Chloride	64.00	512.00
231.00	CEMENT SERVICE	Cubic Feet	2.48	572.88
905.25	CEMENT SERVICE	Ton Mileage	2.60	2,353.65
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
85.00	CEMENT SERVICE	Pump Truck Mileage	7.70	654.50
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
85.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	374.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	OPERATOR ASSISTANT	Kevin Ryan		

Handwritten signature

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

\$ 3,567.29 *ok 15/10*

ONLY IF PAID ON OR BEFORE
Nov 12, 2013

Subtotal	10,192.28
Sales Tax	351.55
Total Invoice Amount	10,543.83
Payment/Credit Applied	
TOTAL	10,543.83

- 3567.29

ALLIED OIL & GAS SERVICES, LLC 061179

Federal Tax I.D. # 20-8651476

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

SERVICE POINT:

DeRly, TX

DATE <i>10/12/13</i>	SEC <i>22</i>	TWP. <i>1</i>	RANGE <i>36</i>	CALLED OUT	ON LOCATION	JOB START <i>8:00 AM</i>	JOB FINISH <i>8:30 PM</i>
LEASE # <i>3-22</i>		WELL # <i>3-22</i>		LOCATION <i>McBee Rd at 70th E. & Sinto</i>		COUNTY <i>Harris</i>	STATE <i>TX</i>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Martin 8* OWNER *Some*

TYPE OF JOB *Surface*
HOLE SIZE *12 1/4* T.D. *200'*
CASING SIZE *8 7/8* DEPTH *200'*
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH

PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. *18 FT*
PERFS.
DISPLACEMENT *11.79 BBL*

EQUIPMENT
PUMP TRUCK CEMENTER *Alex Ryan*
725-281 HELPER *Kevin Ryan*
BULK TRUCK
396 DRIVER *Alex (TWS)*
BULK TRUCK
DRIVER

REMARKS:
Run Log, Circulate, Displacement, Displace Cement
Sheet w. r.
Cement bed 7 BBL Circulate
TD P.T.
Thank you
Alex Ryan 10/12/13

COMMON *220* @ *17.00* *3740.00*
POZMIX @
GEL @
CHLORIDE *8* @ *64.00* *512.00*
ASC @
HANDLING *231.00* @ *2.48* *572.88*
MILEAGE *2 @ 700/mile 10.65 213.00* *2353.88*
TOTAL *2326.88*

SERVICE
DEPTH OF JOB
PUMP TRUCK CHARGE *150.00*
EXTRA FOOTAGE @
MILEAGE *25* @ *7.00* *175.00*
MANIFOLD @ *225.00*
Cy to vehicle 85 @ *4.00* *340.00*
TOTAL *2815.25*

PLUG & FLOAT EQUIPMENT
@
@
@
@
@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES *16,192.28*

DISCOUNT *3,567.29* IF PAID IN 30 DAYS

6,624.98 Net.

PRINTED NAME *Rodney Fan*
SIGNATURE *Rodney Fan*

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.



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



cc: WF
cc: Liz
cc: L-L

Invoice

DATE	INVOICE #
10/27/2013	25223

BILL TO
Murfin Drilling Co Inc PO Box 661 Colby, KS 67701-0661

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3-22	Burke Trust C	Rawlins	Murfin Drilling	Oil	Development	5-1/2" LongString	Josh
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				150	Miles	6.00	900.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
403-5	5 1/2" Cement Basket				3	Each	285.00	855.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				15	Each	90.00	1,350.00T
413-5	5 1/2" Roto Wall Scratcher				5	Each	40.00	200.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				200	Sacks	14.00	2,800.00T
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	17.00	5,100.00T
276	Flocele				125	Lb(s)	2.00	250.00T
283	Salt				1,000	Lb(s)	0.20	200.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				150	Lb(s)	4.00	600.00T
581D	Service Charge Cement				500	Sacks	2.00	1,000.00
583D	Drayage				3,814	Ton Miles	1.00	3,814.00
Subtotal								20,669.00
Sales Tax Rawlins County							7.90%	1,062.95
We Appreciate Your Business!							Total	\$21,731.95

USED FOR 12102
APPROVED JFR



CHARGE TO: Murfm Drly
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 252223
 PAGE 1 OF 2

SERVICE LOCATIONS

1. Hays KS WELLS/PROJECT NO. 3-22 LEASE Berk Trust "C" COUNTY/PARISH Awslins STATE KS CITY Location DATE 10-27-12 OWNER

2. Ness City KS TICKET TYPE SERVICE SALES CONTRACTOR Murfm RIG NAME NO. 8 SHIPPED VIA CT ORDER NO.

3. WELLS TYPE D-1 WELLS CATEGORY Development JOB PURPOSE 5 1/2 Long string WELLS PERMIT NO. WELLS LOCATION Sec 22 Twp 15 R 36 W

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE * 113	150	mi			6.00	900.00
578					Auger Charge Long string	1	ea			1500.00	1500.00
221					Loguid KCL	4	gal			25.00	100.00
281					Mud Flush	500	gal			1.25	625.00
290					O-Air	5	gal			42.00	210.00
403					Cement Basket	3	ea			285.00	855.00
406					Latch Down Plug + Baffle	1	ea			275.00	275.00
407					Insert Foot Shoe w/Auto Roll	1	ea			375.00	375.00
409					Turboliners	15	ea			90.00	1350.00
413					Auto Wall Scrabbers	5	ea			40.00	200.00
419					Rotating Head Rental	1	ea			200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED 10-27-13 TIME SIGNED 12:11 P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	P1
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6590.00
WE UNDERSTOOD AND MET YOUR NEEDS?				14079.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				20,669.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				10662.95
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		21,731.95
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				
TOTAL				21,731.95

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

SWIFT OPERATOR MM APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-27-13 PAGE NO.

CUSTOMER *Murkin* WELL NO. 3-22 LEASE *Buck Trust "C"* JOB TYPE *5 1/2 Long string* TICKET NO. 28223

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0030							on location
								TD 4545 SS 24
								TP 4544 Insert 4520
								5 1/2 x 15.5"
								Centralizers 1,2,3,4,5,6,7,8,9,10,11,12,13, 34, 44
								Baskets 10, 35, 45
	0215							Start Pipe
	0315							Break Circulation
	0345							Finish Pipe
	0445							Drop Ball Break. Circulation Restart <i>Did Not Circulate</i>
	0520	5	12				300	Start mud flush
		5	20				300	Start KCL flush
	0530	5	138				200	Start SMD Cement 250 sks
		5	48				200	Start E A-2 Cement 200 sks
	0623							Drop Plug
								Wash out Pump & Lines
	0625	6	20				200	Start Displacement w/20 bbl KCL
		6						Finish H2O
		6	107.5				900 / 1500	land Plug
	0645							Release Dry
	0650		7/5					Plug AH 30 sks MH 20 sks
								circulate 0 sks to PIT
								wash up Back up
	0730							Job Complete
								Thank You
								Josh, Brian, Doug, John