



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1227857
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: _____

1227857

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
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Winifred 1-36
Doc ID	1227857

All Electric Logs Run

DIL
DUCP
MEL
BHCS



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water STE 800
Wichita KS 67202

ATTN: Rocky Milford

Winifred #1-36

36-7s-15w Osborne,KS

Start Date: 2014.08.11 @ 03:53:10

End Date: 2014.08.11 @ 09:51:30

Job Ticket #: 60504 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.15 @ 08:47:57



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company
 250 N Water STE 800
 Wichita KS 67202
 ATTN: Rocky Milford

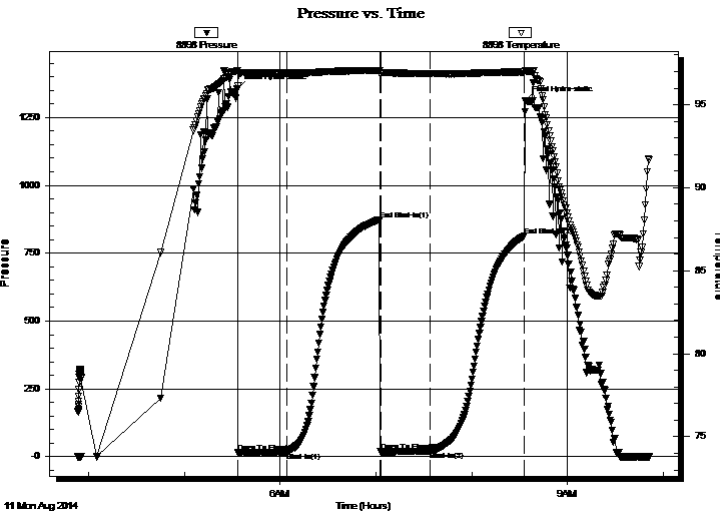
36-7s-15w Osborne, KS
Winifred #1-36
 Job Ticket: 60504 **DST#: 1**
 Test Start: 2014.08.11 @ 03:53:10

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:33:40
 Time Test Ended: 09:51:30
 Interval: **2704.00 ft (KB) To 2725.00 ft (KB) (TVD)**
 Total Depth: 2725.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 77
 Reference Elevations: 1765.00 ft (KB)
 1760.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8898 Outside
 Press@RunDepth: 20.40 psig @ 2707.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.11 End Date: 2014.08.11 Last Calib.: 2014.08.11
 Start Time: 03:53:11 End Time: 09:51:30 Time On Btm: 2014.08.11 @ 05:33:30
 Time Off Btm: 2014.08.11 @ 08:33:49

TEST COMMENT: Weak surface blow
 Dead no blow back
 Dead no blow
 Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1356.28	97.07	Initial Hydro-static
1	15.46	96.12	Open To Flow (1)
31	17.80	96.89	Shut-In(1)
89	873.93	97.06	End Shut-In(1)
90	18.74	96.85	Open To Flow (2)
121	20.40	96.87	Shut-In(2)
180	813.08	96.97	End Shut-In(2)
181	1313.22	97.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 5%O 95%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

36-7s-15w Osborne, KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60504

DST#: 1

ATTN: Rocky Milford

Test Start: 2014.08.11 @ 03:53:10

Tool Information

Drill Pipe:	Length: 2620.00 ft	Diameter: 3.80 inches	Volume: 36.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 37.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2704.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2682.00	
Hydraulic tool	5.00			2687.00	
Jars	5.00			2692.00	
Safety Joint	2.00			2694.00	
Packer	5.00			2699.00	27.00 Bottom Of Top Packer
Packer	5.00			2704.00	
Stubb	1.00			2705.00	
Perforations	2.00			2707.00	
Recorder	0.00	8897	Inside	2707.00	
Recorder	0.00	8898	Outside	2707.00	
Perforations	15.00			2722.00	
Bullnose	3.00			2725.00	21.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

36-7s-15w Osborne, KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60504

DST#: 1

ATTN: Rocky Milford

Test Start: 2014.08.11 @ 03:53:10

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: 73.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 5%O 95%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

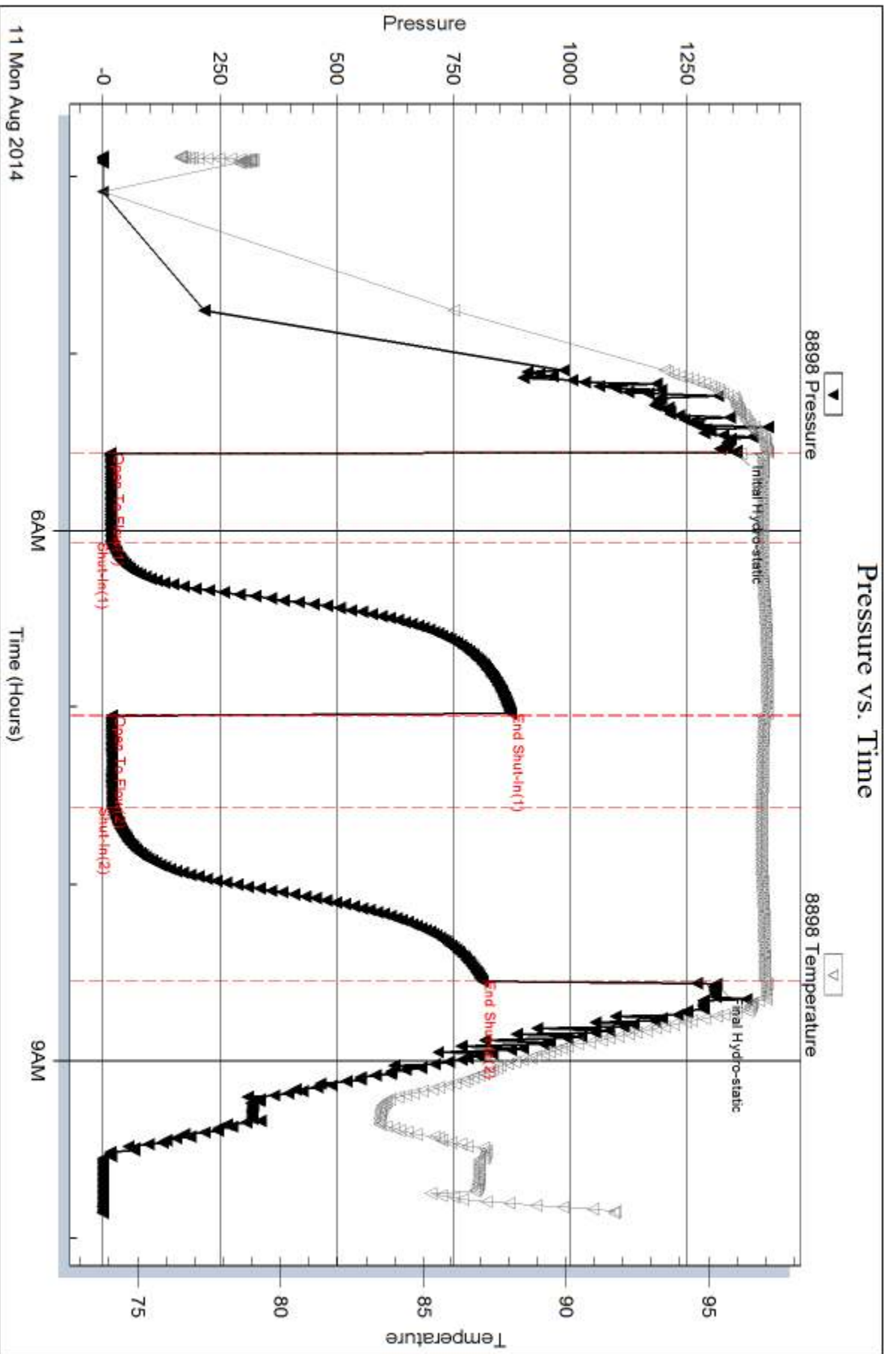
Num Gas Bombs: 0

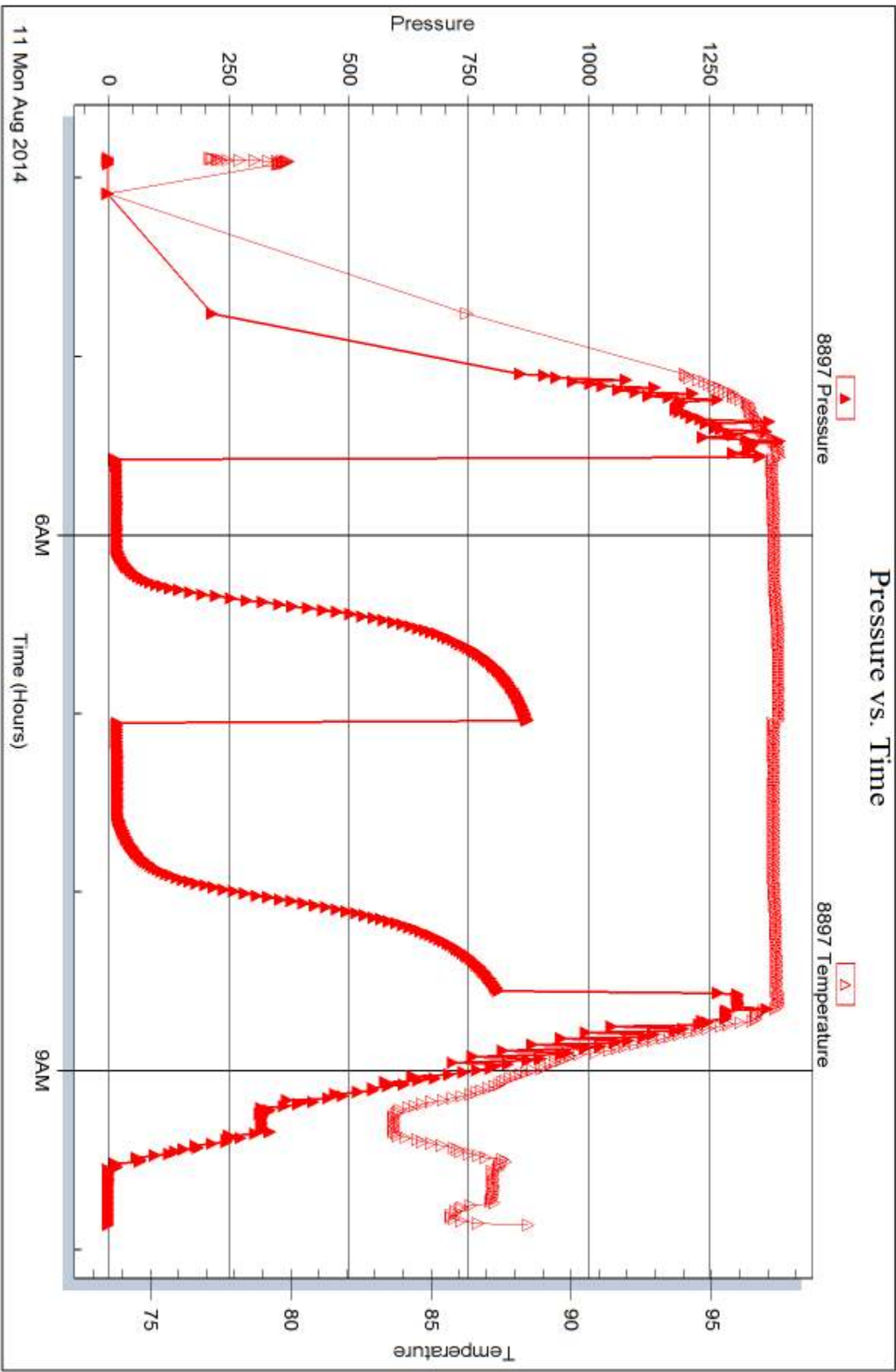
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water STE 800
Wichita KS 67202

ATTN: Rocky Milford

Winifred #1-36

36-7s-15w Osborne,KS

Start Date: 2014.08.12 @ 03:55:58

End Date: 2014.08.12 @ 09:48:58

Job Ticket #: 60505 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.15 @ 08:47:35



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company

36-7s-15w Osborne, KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60505

DST#: 2

ATTN: Rocky Milford

Test Start: 2014.08.12 @ 03:55:58

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:18:48

Time Test Ended: 09:48:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 77

Interval: 2945.00 ft (KB) To 3040.00 ft (KB) (TVD)

Reference Elevations: 1765.00 ft (KB)

Total Depth: 3040.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8897

Inside

Press@RunDepth: 46.20 psig @ 2973.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.12

End Date:

2014.08.12

Last Calib.:

2014.08.12

Start Time: 03:55:59

End Time:

09:48:58

Time On Btm:

2014.08.12 @ 05:18:38

Time Off Btm:

2014.08.12 @ 08:19:37

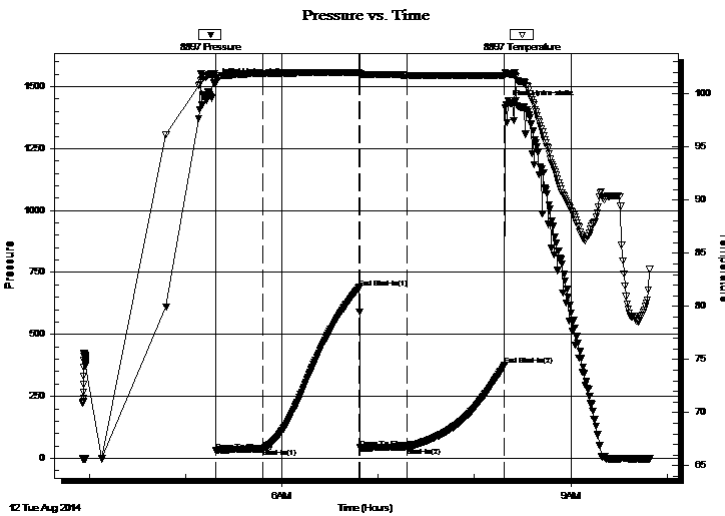
TEST COMMENT: Weak surface blow built to 3/4"

Dead no blow back

Dead no blow

Deadno blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1514.43	101.88	Initial Hydro-static
1	30.31	101.08	Open To Flow (1)
30	38.80	101.91	Shut-In(1)
90	689.04	102.01	End Shut-In(1)
90	41.82	101.80	Open To Flow (2)
120	46.20	101.71	Shut-In(2)
180	376.02	101.71	End Shut-In(2)
181	1426.54	101.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100%M With oil spots	0.30

* 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 Company

36-7s-15w Osborne, KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60505

DST#: 2

ATTN: Rocky Milford

Test Start: 2014.08.12 @ 03:55:58

Tool Information

Drill Pipe:	Length: 2837.00 ft	Diameter: 3.80 inches	Volume: 39.80 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 40.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2945.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	122.00 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2923.00	
Hydraulic tool	5.00			2928.00	
Jars	5.00			2933.00	
Safety Joint	2.00			2935.00	
Packer	5.00			2940.00	27.00 Bottom Of Top Packer
Packer	5.00			2945.00	
Stubb	1.00			2946.00	
Perforations	27.00			2973.00	
Recorder	0.00	8897	Inside	2973.00	
Recorder	0.00	8898	Outside	2973.00	
Change Over Sub	1.00			2974.00	
Drill Pipe	62.00			3036.00	
Change Over Sub	1.00			3037.00	
Bullnose	3.00			3040.00	95.00 Bottom Packers & Anchor

Total Tool Length: 122.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

36-7s-15w Osborne, KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60505

DST#: 2

ATTN: Rocky Milford

Test Start: 2014.08.12 @ 03:55:58

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100%M With oil spots	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

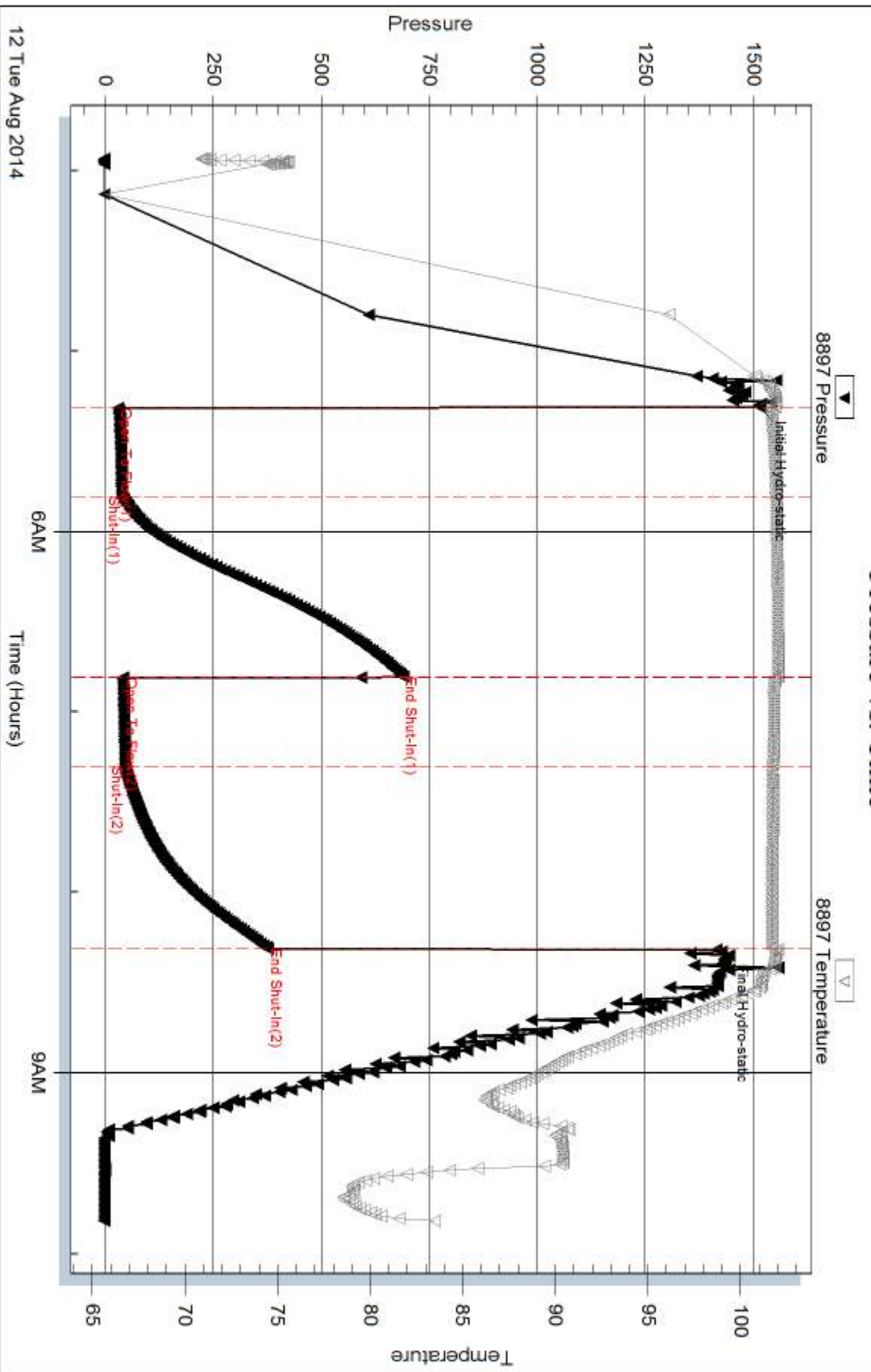
Serial #:

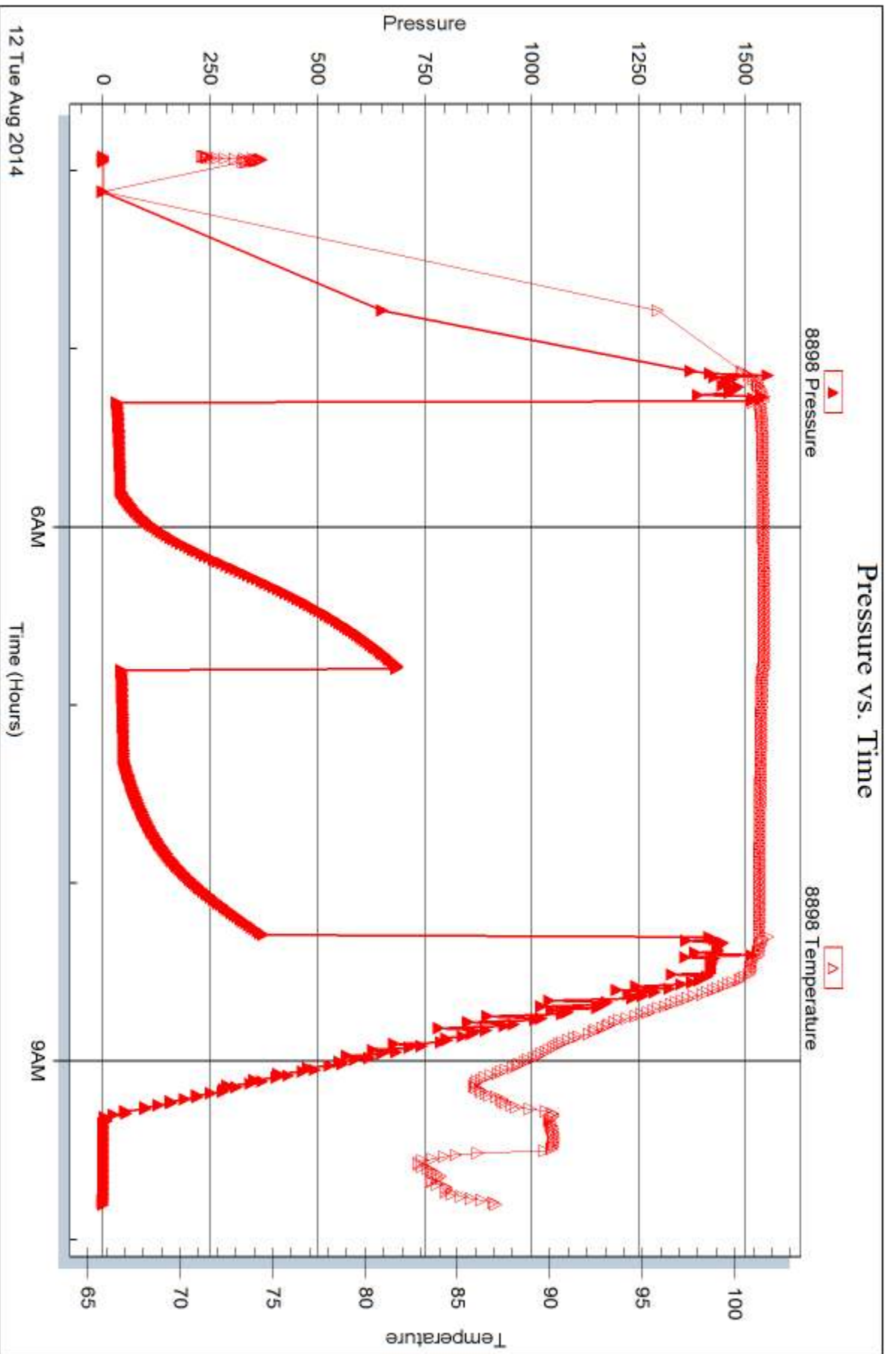
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water STE 800
Wichita KS 67202

ATTN: Rocky Milford

Winifred #1-36

36-7s-15w Osborne,KS

Start Date: 2014.08.13 @ 02:44:25

End Date: 2014.08.13 @ 09:47:45

Job Ticket #: 60506 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.08.15 @ 08:46:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company
250 N Water STE 800
Wichita KS 67202
ATTN: Rocky Milford

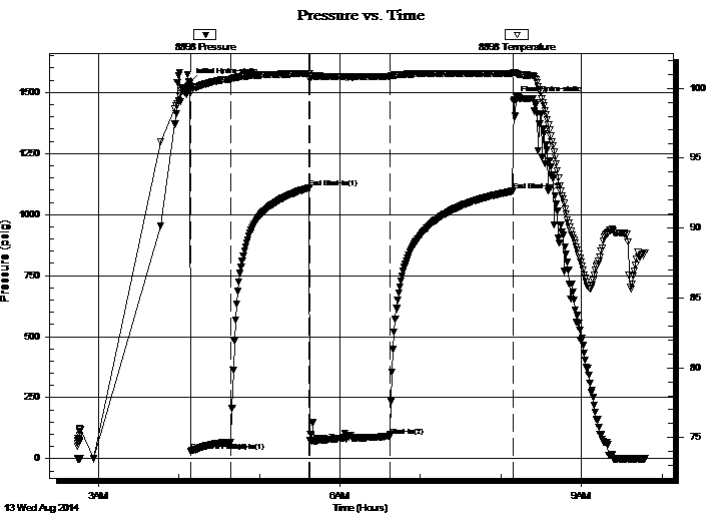
36-7s-15w Osborne, KS
Winifred #1-36
Job Ticket: 60506 **DST#: 3**
Test Start: 2014.08.13 @ 02:44:25

GENERAL INFORMATION:

Formation: **LKC E-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:08:35
Time Test Ended: 09:47:45
Interval: **3035.00 ft (KB) To 3210.00 ft (KB) (TVD)**
Total Depth: 3210.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Tate Lang
Unit No: 77
Reference Elevations: 1765.00 ft (KB)
1760.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8898 Outside
Press@RunDepth: 90.96 psig @ 3039.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.08.13 End Date: 2014.08.13 Last Calib.: 2014.08.13
Start Time: 02:44:26 End Time: 09:47:45 Time On Btm: 2014.08.13 @ 04:08:15
Time Off Btm: 2014.08.13 @ 08:09:55

TEST COMMENT: Fair blow built to 4"
Dead no blow back
Fair blow built to 4"
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.30	100.19	Initial Hydro-static
1	31.58	99.67	Open To Flow (1)
31	68.19	100.63	Shut-In(1)
89	1109.83	101.04	End Shut-In(1)
90	73.13	100.62	Open To Flow (2)
149	90.96	100.85	Shut-In(2)
241	1095.89	101.06	End Shut-In(2)
242	1468.15	101.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	100%M spots of oil on top of tool	1.37

* 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 Company

36-7s-15w Osborne, KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60506

DST#: 3

ATTN: Rocky Milford

Test Start: 2014.08.13 @ 02:44:25

Tool Information

Drill Pipe:	Length: 2930.00 ft	Diameter: 3.80 inches	Volume: 41.10 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 41.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3035.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	175.00 ft			
Tool Length:	202.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3013.00	
Hydraulic tool	5.00			3018.00	
Jars	5.00			3023.00	
Safety Joint	2.00			3025.00	
Packer	5.00			3030.00	27.00 Bottom Of Top Packer
Packer	5.00			3035.00	
Stubb	1.00			3036.00	
Perforations	3.00			3039.00	
Recorder	0.00	8897	Inside	3039.00	
Recorder	0.00	8898	Outside	3039.00	
Perforations	10.00			3049.00	
Change Over Sub	1.00			3050.00	
Drill Pipe	156.00			3206.00	
Change Over Sub	1.00			3207.00	
Bullnose	3.00			3210.00	175.00 Bottom Packers & Anchor

Total Tool Length: 202.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

36-7s-15w Osborne,KS

250 N Water STE 800
Wichita KS 67202

Winifred #1-36

Job Ticket: 60506

DST#: 3

ATTN: Rocky Milford

Test Start: 2014.08.13 @ 02:44:25

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	100%M spots of oil on top of tool	1.373

Total Length: 155.00 ft

Total Volume: 1.373 bbl

Num Fluid Samples: 0

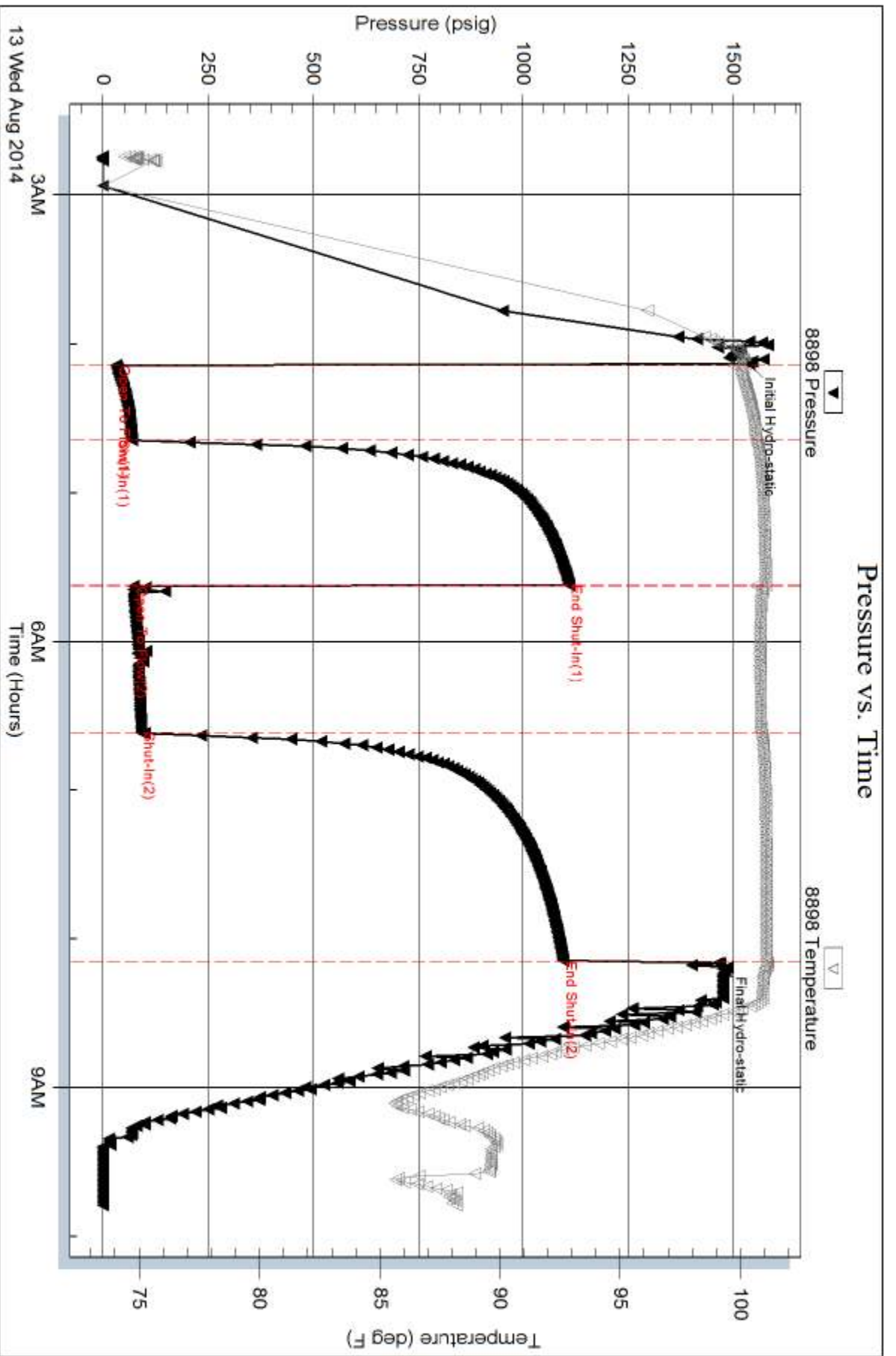
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



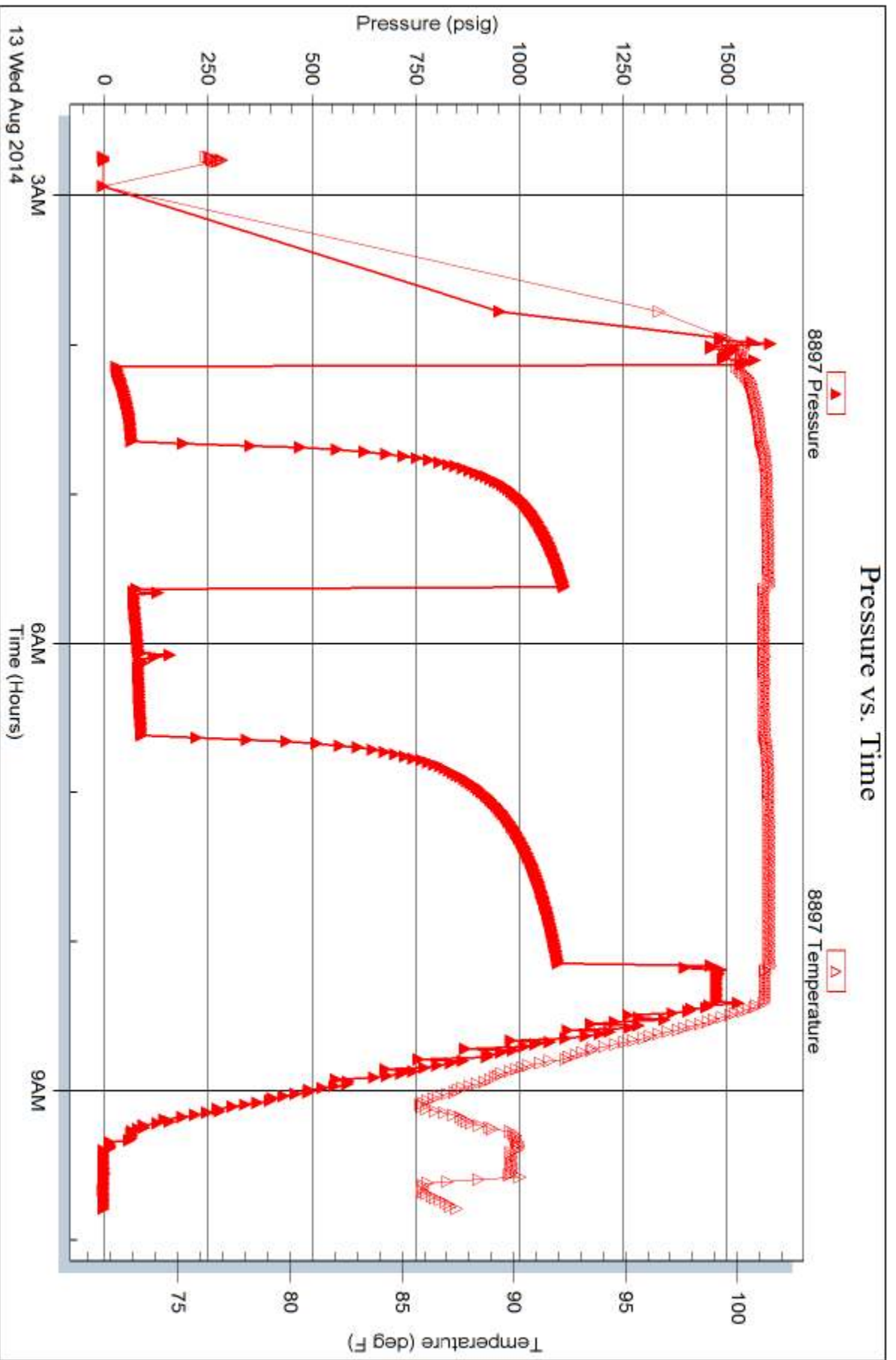
Serial #: 8897

Inside

Murfin Drilling Company

Wellbore #1-36

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 60506

Printed: 2014.08.15 @ 08:46:58



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60504

4/10

Well Name & No. Wini Fred #1-36 Test No. 1 Date 8-11-14
 Company Murfin Drilling Company Elevation 1764 KB 1759 GL
 Address 250 W Water St E 800 Wichita KS 67202
 Co. Rep / Geo. Rocky Milford Rig Murfin #24
 Location: Sec. 36 Twp. 7S Rge. 15W Co. Osborne State KS

Interval Tested 2704 2725 Zone Tested Topella
 Anchor Length 21 Drill Pipe Run 2620 Mud Wt. 8.6
 Top Packer Depth 2699 Drill Collars Run 88 Vis 73
 Bottom Packer Depth 204 Wt. Pipe Run 0 WL 6.4
 Total Depth 2725 Chlorides 3500 ppm System LCM 4#

Blow Description Weight surface blow
Dead no blow back
Dead no blow
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>50CM</u>	%gas	<u>5</u> %oil	%water	<u>95</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1356 Test 1150 T-On Location 0310
 (B) First Initial Flow 75 Jars 250 T-Started 0353
 (C) First Final Flow 19 Safety Joint 75 T-Open 0537
 (D) Initial Shut-In 874 Circ Sub N/C T-Pulled 0813
 (E) Second Initial Flow 19 Hourly Standby T-Out 0951
 (F) Second Final Flow 30 Mileage 124RT 192.20 Comments Hotel
 (G) Final Shut-In 813 Sampler _____
 (H) Final Hydrostatic 1313 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 60 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1667.20
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1667.20

Approved By _____ Our Representative [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. 60505

4/10

Well Name & No. WiniFred #1-36 Test No. 2 Date 8-12-14
 Company Murfin Drilling Company Elevation 1765 KB 1760 GL
 Address _____
 Co. Rep / Geo. Rocky Milford Rig Murfin #24
 Location: Sec. 36 Twp. 7S Rge. 1SW Co. Osborne State Ks

Interval Tested 2945 3040 Zone Tested LHC A+D
 Anchor Length _____ Drill Pipe Run 2837 Mud Wt. 9.0
 Top Packer Depth _____ Drill Collars Run 88 Vis 55
 Bottom Packer Depth _____ Wt. Pipe Run 0 WL 7.2
 Total Depth 3040 Chlorides 9300 ppm System LCM 2#

Blow Description Wealth surface blow built to 3/4 in
Dead no blow back
Acad no blow
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>60</u>	Feet of <u>mud with oil spots</u>	%gas	%oil	%water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1514</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0345</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0355</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0518</u>
(D) Initial Shut-In <u>689</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0818</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0948</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>192.20</u>	Comments <u>MOKE</u>
(G) Final Shut-In <u>376</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1427</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____

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

Sub Total 0
 Total 1667.20
 MP/DST Disc't _____

Approved By _____ Our Representative [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. 60506

Well Name & No. Winifred #1036 Test No. 3 Date 8-13-14
 Company Murfin Drilling Company Elevation 1765 KB 1760 GL
 Address _____
 Co. Rep / Geo. Rocky Milford Rig Murfin #24
 Location: Sec. 36 Twp. 7S Rge. 15W Co. Osborne State KS

Interval Tested 3035 3210 Zone Tested LRC E-K
 Anchor Length 175 Drill Pipe Run 2930 Mud Wt. 9.2
 Top Packer Depth 3030 Drill Collars Run 88 Vis 49
 Bottom Packer Depth 3035 Wt. Pipe Run 0 WL 10.0
 Total Depth 3210 Chlorides 11,100 ppm System LCM 3#

Blow Description Fair blow built to 4in
Dead no blow back
Fair blow built to 4in
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>155</u>	Feet of <u>Mud Spots Oil on top of Tool</u>				<u>100</u>

Rec Total 155 BHT 101 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1538 Test 1150 T-On Location 035
 (B) First Initial Flow 32 Jars 250 T-Started 0244
 (C) First Final Flow 68 Safety Joint 75 T-Open 0408
 (D) Initial Shut-In 1110 Circ Sub _____ T-Pulled 0808
 (E) Second Initial Flow 73 Hourly Standby _____ T-Out 0947
 (F) Second Final Flow 91 Mileage 192.20 Comments note
 (G) Final Shut-In 1096 Sampler _____
 (H) Final Hydrostatic 1468 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

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

Sub Total 1667.20
 Total 1667.20
 MP/DST Disc't _____

Approved By _____ Our Representative [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.

Robert L. Milford

PETROLEUM GEOLOGIST
Wichita, Kansas

GEOLOGISTS REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: **Murfin Drilling Company, Inc.**

LEASE: **Winifred #1-36**

LOC. SPOT: **25' E of C S2 SW SE**

LOC. FOOTAGE: **330' FSL 195' FEL**

SEC: **36** TWP: **7S** RNG: **15W**

COUNTY: **Osborne** STATE: **Kansas**

API: **15-141-20469-00-00**

CONTRACTOR: **Murfin Drilling Co., Inc.** REG. NO. **24**

DRILLING STARTED: **8-8-2014** COMPLETED: **8-14-2014**

MUD DISPLACED: **2,190'** MUD TYPE: **Chemical**

DRILLING TIME KEPT FROM: **2,590'** TO: **RTD**

SAMPLES SAVED FROM: **2,590'** TO: **RTD**

SAMPLES EXAMINED FROM: **2,590'** TO: **RTD**

GEOLOGICAL SUPERVISION FROM: **2,590'** TO: **RTD**

FORMATION NAME	LOG TOP	DATUM	LOG TOP	SAMPLE DATUM	SAMPLE
Stone Corral	1,068'	+697'	1,069'	+696'	
Base Stone Corral	1,102'	+653'	1,102'	+653'	
Topeka	2,682'	-917'	2,683'	-918'	
Heebner	2,910'	-1145'	2,911'	-1146'	
Lansing	2,958'	-1193'	2,959'	-1194'	
B/KC	3,238'	-1473'	3,238'	-1473'	
Viola	3,515'	-1750'	3,516'	-1751'	
Simpson	3,528'	-1763'	3,529'	-1764'	
Arbuckle	3,584'	-1819'	3,585'	-1820'	
Total Depth	3,650'	-1885'	3,650'	-1885'	



DATE	7:00 AM DEPTH	REMARKS
8-8-14	0'	Spud @ 3:45 pm. Plug down @ 9:15 pm. Drilled out plug @ 5:15 am on 8-9-14
8-9-14	330'	Cut 330' in last 24 hrs.
8-10-14	2,030'	Cut 1,700' in last 24 hrs; 21.75 hrs drlg., DST #1 @ 2725'
8-11-14	2,725'	Cut 695' in last 24 hrs; 15 hrs drlg., DST #2 @ 3040'
8-12-14	3,040'	Cut 315' in last 24 hrs; 10.5 hrs drlg., DST #3 @ 3210'
8-13-14	3,210'	Cut 170' in last 24 hrs; 7.5 hrs drlg., RTD 3650' @ 4:23 am on 8-14-14
8-14-14	3,650'	Cut 440' in last 24 hrs; 15 hrs drlg., P&A

Remarks

The electric log measurements correlate from even to 1' higher to the drilling measurements.

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

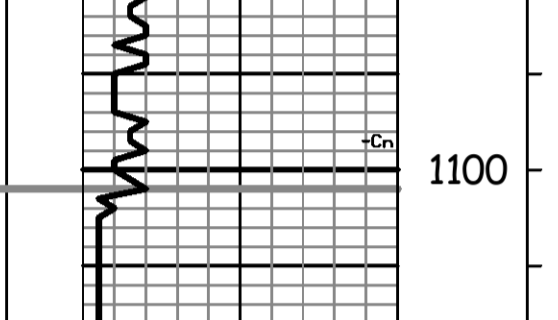
The drilling samples were deposited at the Kansas Geological Survey office in Wichita.

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

1050' Stone Corral 1068' (+697) EL

1100' B/Stone Corral 1102' (+663) EL

2600' Stone Corral 2682' (-917) EL

2650' Topeka 2682' (-917) EL

2700' Heebner 2910' (-1145) EL

2750' Toronto 2937' (-1172) EL

2950' Lansing 2958' (-1193) EL

3000' Stark 3178' (-1413) EL

3050' B/KC 3238' (-1473) EL

3100' Stark 3178' (-1413) EL

3200' Stark 3178' (-1413) EL

3250' Stark 3178' (-1413) EL

3300' Stark 3178' (-1413) EL

3350' Stark 3178' (-1413) EL

3400' Cherokee 3385' (-1620) EL

3450' Cherokee 3385' (-1620) EL

3500' Viola 3515' (-1750) EL

3550' Simpson 3528' (-1763) EL

3600' R.T.D. 3650' (-1885)

Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

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Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

Arbuckle 3584' (-1819) EL

Mud displaced from 2190' to 2227'

Call depth 2290' @ 12:55 pm on 8-10-14

Morgan Mud check @ 2351': 73 Vis, 8.6 Wt, 6.4 WL, 3,500 ppm Chl, 4# LCM

Samples start 2590' @ 7:18 pm on 8-10-14

LS: crm-tan, fxln, fos, sub chky w/ some prtly dns, pr w/ some fr fos por, NS

Sh: gry w/ some grn

LS: crm-tan, fxln, fos, sub chky-prtly dns, pr por, NS

Sh: gry, some silty

LS: crm-gry, fxln, fos, some shly, sub chky-prtly dns, pr por, NS

Calc Sh: med-drk gry, sli fos, sli mic, w/ some

Sh: gry, some soft & gummy

Sh: lt-med gry, some silty, some soft & gummy

LS: crm-gry, fxln, fos in prt, sub chky-prtly dns, pr por, NS

LS: crm-tan, fxln, fos, sub chky-prtly dns w/ some chky, pr fos por, NS

Sh: lt-med gry (some soft & gummy, & some silty) w/ some red-brn

Sh: A.A.

LS: crm-gry, fxln, fos in prt, sub chky-prtly dns, pr por, NS

Sh: gry, some silty

LS: crm-gry, fxln, fos in prt, sub chky-prtly dns w/ some chky, pr por, NS

LS: A.A. w/ some shly, pr por, NS

LS: crm-gry, fxln, fos-granular in prt, sub chky-prtly dns w/ some fr intrprtcl-pn point por, scat lt-drk brn sub sat-sat stn, SSFO (some bleeding), gd odor

Sh: gry & red-brn

LS: crm-gry, fxln, fos in prt, some shly, sub chky-prtly dns, pr fos por, NS

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

LS: A.A. w/ some cht (drk gry) & clumps of pyrite

Sh: gry

LS: crm-gry, fxln, fos in prt, some shly, sli pyr (clumps), sub chky-prtly dns, pr por, NS

Sh: Blk Carb

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

Sh: gry

LS: crm-lt tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

LS: crm-gry, fxln, fos in prt, some shly, sub chky-prtly dns, pr por, NS

Sh: lt-med gry, some silty & calc

LS: crm-tan, fxln, fos in prt, some mottled, sub chky-prtly dns, pr por, NS

Sh: Blk Carb

LS: wh-gry, fxln, fos, sub chky-prtly dns w/ some chky-vry chky, pr fos por, NS

LS: wh-tan, fxln, fos in prt, sub chky-prtly dns, w/ some chky-vry chky, pr por, NS

LS: crm-tan, fxln, sli fos, sub chky-prtly dns, pr por, NS

LS: A.A. w/ some wh, chky-vry chky, pr por, NS

LS: crm-tan, fxln, fos in prt, some shly & mottled, sub chky-prtly dns w/ some chky, pr por, NS

LS: A.A., pr por, NS

Sh: Blk Carb

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

Sh: lt gry-grn (soft & gummy in prt)

Sh: A.A. w/ red-brn

LS: crm-tan, fxln, fos in prt, some mottled, sub chky-prtly dns, pr por, NS

LS: crm, fxln, prtly dns, pr por, NS

Sh: red-brn (some soft & gummy) & gry-grn (some soft & gummy)

LS: crm-tan, fxln, fos, sub chky-prtly dns, pr por, NS

Sh: A.A.

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

Sh: red-brn & gry-grn

LS: crm-tan, fxln, fos-granular in prt, sub chky-prtly dns, pr w/ some fr moldic-vag por, vry scat vry lt-brn sptd-sat stn, SSFO, fr odor

LS: crm-tan, fxln, sli fos, sub chky-prtly dns, pr por, NS

Sh: red-brn & gry-grn

LS: crm-gry, fxln, fos in prt, sub chky-prtly dns, pr por, NS

Sh: red-brn & gry

LS: crm-tan, fxln, ool (small)-fos in prt, sub chky-dns, pr intrprtcl por, rare lt brn & blk sptd stn, 1 pc w/ 1 small bead FO, no odor

LS: crm-tan, fxln, ool-fos in prt, sli chky (crm-tan), sub chky-prtly dns w/ some chky-vry chky, pr w/ tr fr intrprtcl por, rare lt brn patchy stn, 1 pc w/ SSFO & odor on brk

Sh: gry & red-brn

LS: crm-tan, fxln, sli fos, sub chky-dns, pr por, tr brn sptd & edge stn, NSFO, no odor

LS: crm-tan, fxln, ool (small)-fos in prt, sub chky-dns w/ some chky, pr por, cpl pcs w/ tr brn sptd & edge stn, NSFO, no odor

Sh: gry & red-brn

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

LS: A.A., pr por, NS

Sh: Blk Carb

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns w/ some chky, pr por, NS

Sh: mstly gry w/ some Blk Carb

LS: crm-tan, fxln, fos in prt, sub chky-prtly dns, pr por, NS

Sh: lt gry, mstly calc

LS: A.A.

Sh: gry & red-brn, some soft & gummy

LS: A.A.

LS: crm-lt gry, fxln, fos-ool in prt, sub chky-prtly dns, pr por, NS

Sh: red-brn (some soft & gummy) & gry-grn

LS: crm-tan, fxln, sli fos, sub chky-prtly dns, pr por, NS

LS: A.A.

Sh: red-brn & gry (some drk gry)

LS: crm-tan, fxln, sli fos, some sdy (vry fr grain sd), sub chky-prtly dns, pr por, NS

Sh: lt gry, tan, red-brn (all soft & gummy in prt)

LS: crm-tan, fxln, fos-ool w/ some granular (small) in prt, sub chky-prtly dns w/ some chky, mstly pr w/ some fr intrprtcl por, NS

LS: wh-crm, fxln, granular (small), sli dolomitic in prt, mstly sub chky w/ some chky, pr-fr intrprtcl por, NS

LS: crm-tan, fxln, granular-ool, sub chky-prtly dns, pr por, NS

Sh: red-brn, grn, gry w/ trace Blk Carb

Sh: red-brn, gry, grn w/ some yell

LS: crm-tan, fxln, granular-fos in prt, sub chky-prtly dns, pr por, NS

Sh: red-brn (soft & gummy in prt), grn, gry w/ some yell & tr Chl (yell)

Sh: red-brn, crn, purple, gry, yell, intermixed w/ some Chl: cr, crm, yell, tan

Sh: red-brn, grn, yell, gry w/ incrs amt of Chl: mstly crm & yell

Chl: crm, yell, tan, gry, mstly fresh w/ some weathered, w/ Sh: red-brn, grn, gry, yell

Chl & Sh: A.A. w/ some LS: crm-tan, fxln, sli fos, sub chky-prtly dns, pr por, NS

A.A.

Dol: crm-tan, fr-med xln, sli glauc, fr-gd vug w/ some intrxln por, scat lt brn sptd-patchy w/ some sat stn, NSFO, some yell flour, no cut, no odor

Sh: red-brn (some soft & gummy) w/ some gry-grn, intermixed w/ Chl: cr, wh, crm, gry, mstly fresh w/ some weathered

Sh: A.A. w/ some yell, & Chl: A.A.

Azet
Prod-M6

ALLIED

OIL & GAS SERVICES, LLC

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 144851

Invoice Date: Aug 8, 2014

Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Murfin	55465	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Russell	Aug 8, 2014	9/7/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Winifred #1-36		
165.00	CEMENT MATERIALS	Class A Common	17.90	2,953.50
465.00	CEMENT MATERIALS	Chloride	1.10	511.50
165.00	CEMENT SERVICE	Cubic Feet Charge	2.48	409.20
399.37	CEMENT SERVICE	Ton Mileage Charge	2.75	1,098.27
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
100.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	770.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	EQUIPMENT OPERATOR	Nathan Donner		
1.00	OPERATOR ASSISTANT	Jonathan Price		

ID203 J. 8616.0001 5123.64 Cement S. Co #1-36

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

\$ **2,616.15**

ONLY IF PAID ON OR BEFORE

Sep 7, 2014

Subtotal	7,474.72
Sales Tax	265.07
Total Invoice Amount	7,739.79
Payment/Credit Applied	
TOTAL	7,739.79

OK (2616.15)

5123.64

ALLIED OIL & GAS SERVICES, LLC 055465

Federal Tax I.D.# 20-5976804

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

SERVICE POINT: Russell

Winfred 1-34
DATE 8.8.14 SEC 36 TWP 7 RANGE 15 CALLED OUT _____ ON LOCATION _____ JOB START 8:30 JOB FINISH 7:30
LEASE Winfred WELL # 1-18 LOCATION Alton COUNTY Wichita STATE KS
OLD OR NEW (Circle one) S 41 T rd. 2 1/2 S W 140.

CONTRACTOR Martin 024 OWNER _____
TYPE OF JOB Surface
HOLE SIZE 18 1/2 T.D. _____ CEMENT AMOUNT ORDERED 16554 com
CASING SIZE 7 7/8 DEPTH 220-13 _____
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____ COMMON 16554 @ 17.9 \$ 2953.56
MEAS. LINE _____ SHOE JOINT 15' POZMIX _____ @ _____
CEMENT LEFT IN CSG. 15' GEL _____ @ _____
PERFS. _____ CHLORIDE 46576 @ 1.10 \$ 511.58
DISPLACEMENT 13 05 1/2 H2O ASC _____ @ _____

EQUIPMENT
PUMP TRUCK # 417 CEMENTER Anthony P. Martin HELPER Nathan P. MATERIAL @ 3465.00
BULK TRUCK # 410 DRIVER Joe P. DUES @ 1212.75
BULK TRUCK # _____ DRIVER _____ @ _____
HANDLING 165 @ 24.0 \$ 4009.20
MILEAGE 377.375 @ 11.25 \$ 4248.28
TOTAL \$ 4992.48

REMARKS:
See Cement Log
Cement to Surface

CHARGE TO: Martin Drilling
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE
DEPTH OF JOB 2200
PUMP TRUCK CHARGE \$ 1512.25
EXTRA FOOTAGE @ _____
MILEAGE 100 @ 7.7 \$ 770.00
MANIFOLD Light 50 @ 4.4 \$ 220.00
DUES 1403.40 TOTAL \$ 2504.25

PLUG & FLOAT EQUIPMENT
@ _____
@ _____
@ _____
@ _____
@ _____
TOTAL 0

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 Anthony Martin
SIGNATURE Anthony Martin

SALES TAX (if Any) _____
TOTAL CHARGES \$ 7474.73
DISCOUNT \$ 2616.15 (35%) PAID IN 30 DAYS
Net 4858.57

Acct
Prod-m 6



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 145034
Invoice Date: Aug 14, 2014
Page: 1

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

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

Customer ID	Field Ticket #	Payment Terms	
Murfin	55472	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russel	Aug 14, 2014	9/13/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Winifred #1-#36		
285.00	CEMENT MATERIALS	60/40 Poz 4% Gel Blend	18.92	5,392.20
285.00	CEMENT SERVICE	Cubic Feet Charge	2.48	706.80
615.00	CEMENT SERVICE	Ton Mileage Charge	2.75	1,691.25
1.00	CEMENT SERVICE	Plug to Abandon	2,558.75	2,558.75
100.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	770.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	Tony Pfannenstiel		
1.00	OPERATOR ASSISTANT	Danny Sinner		
1.00	EQUIPMENT OPERATOR	Kevin Rupp		

FD203 3. 8076.0001 8317.70 PTA # 1-36

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF
\$ 4,007.15
ONLY IF PAID ON OR BEFORE
Sep 13, 2014

Subtotal	11,449.00
Sales Tax	875.85
Total Invoice Amount	12,324.85
Payment/Credit Applied	
TOTAL	12,324.85

(4007.15)
mgt
8317.70

Winifred #1-36
 Daily Drilling Report
 Page Two

8/14/14 RTD: 3650'. Cut 440'. DT: None. CT: 8¾ hrs. Dev.: None. **Dolomite about 95' below Cherokee shale:** fr-gd vug w/ some intrxn por, scat lt brn sptd-patchy w/ some sat stn, NSFO, some yell fluor, no cut, no odor. **Arb:** fr-gd intrxn & vug por, NS. HC @ 4:30AM 8/14.

8/15/14 RTD: 3650'. CT: 21½ hrs. Pioneer logged 12:30PM – 5:00PM 8/14. LTD: 3650'. Allied plugged hole, 8:15PM 8/14 – 12:30AM 8/15, as follows using 60/40 Poz, 4%Gel, ¼# Floseal, 50sxs @ 3564', 50sxs @ 1100', 80sxs @ 675', 50sxs @ 275', 10sxs @ 40', 30sxs @ RH, 15sxs @ MH. Orders: Case Morris, Hays 8/12. RR @ 4:30AM 8/15.
 FINAL REPORT

MDCI Winifred #1-36 330 FSL 1955 FEL Sec. 36-T7S-R15W 1765' KB					MDCI Peterson #1-1 840' FNL 1100' FEL Sec. 1-T8S-R15W 1827' KB			
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	1070	+695	-3	1068	+697	-1	1129	+698
B/Anhydrite	1102	+663	-4	1102	+663	-4	1160	+667
Topeka	2683	-919	+5	2682	-918	+6	2751	-924
Heebner	2911	-1146	+7	2910	-1145	+8	2980	-1153
Toronto	2935	-1170	+5	2937	-1172	+3	3002	-1175
Lansing	2960	-1195	+5	2958	-1193	+7	3027	-1200
Stark	3177	-1412	+6	3178	-1413	+5	3245	-1418
BKC	3237	-1472	+5	3238	-1473	+4	3304	-1477
Cherokee	3384	-1619	+3	3385	-1620	+2	3449	-1622
Viola	3516	-1751	-78	3513	-1749	-76	3500	-1673
Simpson	3538	-1773	+14	3528	-1763	+24	3614	-1787
Arbuckle	3587	-1822	+11	3584	-1819	+14	3660	-1833
RTD	3650	-1885					3730	
LTD				3650	-1885		3731	