



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1226844
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: _____

1226844

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	Wilkinson 'A' 1-34
Doc ID	1226844

All Electric Logs Run

DIL
DUCP
MEL
BHCS



DRILL STEM TEST REPORT

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

250 N. Water, STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

Wilkinson A #1-34

34-1s-36w Rawlins,KS

Start Date: 2014.09.02 @ 16:09:00

End Date: 2014.09.03 @ 00:56:00

Job Ticket #: 60757 DST #: 1

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

Printed: 2014.09.10 @ 10:52:46

Murfin Drlg Co., Inc.
34-1s-36w Rawlins,KS
Wilkinson A #1-34
DST # 1
LKC "A-D"
2014.09.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drlg Co., Inc.

34-1s-36w Rawlins,KS

250 N. Water, STE 300
Wichita, KS 67202

Wilkinson A #1-34

Job Ticket: 60757

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2014.09.02 @ 16:09:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:32:00

Time Test Ended: 00:56:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 48

Interval: 4110.00 ft (KB) To 4258.00 ft (KB) (TVD)

Reference Elevations: 3245.00 ft (KB)

Total Depth: 4258.00 ft (KB) (TVD)

3234.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8647 Inside

Press@RunDepth: 582.34 psig @ 4111.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.02

End Date: 2014.09.03

Last Calib.: 2014.09.03

Start Time: 16:09:01

End Time: 00:56:00

Time On Btm: 2014.09.02 @ 18:27:30

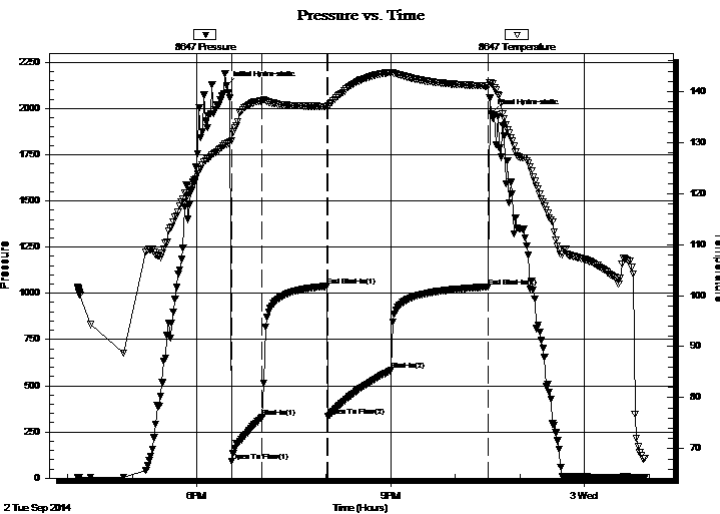
Time Off Btm: 2014.09.02 @ 22:33:30

TEST COMMENT: 30 - IF - Opened w/ surface blow , built to B.o.B in 7 min.

60 - ISI - No Return

60 - FF - B.o.B in 10 min.

90 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.99	129.64	Initial Hydro-static
5	90.82	130.37	Open To Flow (1)
33	330.01	138.21	Shut-In(1)
93	1038.57	137.09	End Shut-In(1)
95	335.79	137.15	Open To Flow (2)
153	582.34	143.74	Shut-In(2)
243	1034.69	141.05	End Shut-In(2)
246	1970.54	141.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
427.00	MW 85%w , 15%m	4.10
434.00	GWM 65%m, 15%w , 20%g	6.09
258.00	100%w w / oil spots	3.62

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drlg Co., Inc.

34-1s-36w Rawlins,KS

250 N. Water, STE 300
Wichita, KS 67202

Wilkinson A #1-34

Job Ticket: 60757

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2014.09.02 @ 16:09:00

Tool Information

Drill Pipe:	Length: 3904.00 ft	Diameter: 3.80 inches	Volume: 54.76 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 207.34 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 55.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.34 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4110.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	148.00 ft			
Tool Length:	176.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4083.00	
Shut In Tool	5.00			4088.00	
Hydraulic tool	5.00		Inside	4093.00	
Jars	5.00			4098.00	
Safety Joint	3.00			4101.00	
Packer	5.00			4106.00	28.00 Bottom Of Top Packer
Packer	4.00			4110.00	
Stubb	1.00			4111.00	
Recorder	0.00	8647	Inside	4111.00	
Recorder	0.00	8372	Outside	4111.00	
Perforations	17.00			4128.00	
Change Over Sub	1.00			4129.00	
Drill Pipe	125.00			4254.00	
Change Over Sub	1.00			4255.00	
Bullnose	3.00			4258.00	148.00 Bottom Packers & Anchor

Total Tool Length: 176.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drlg Co., Inc.

34-1s-36w Rawlins,KS

250 N. Water, STE 300
Wichita, KS 67202

Wilkinson A #1-34

Job Ticket: 60757

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2014.09.02 @ 16:09:00

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: 72.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
427.00	MW 85%w , 15%m	4.101
434.00	GWM 65%m, 15%w , 20%g	6.088
258.00	100%m w / oil spots	3.619

Total Length: 1119.00 ft Total Volume: 13.808 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

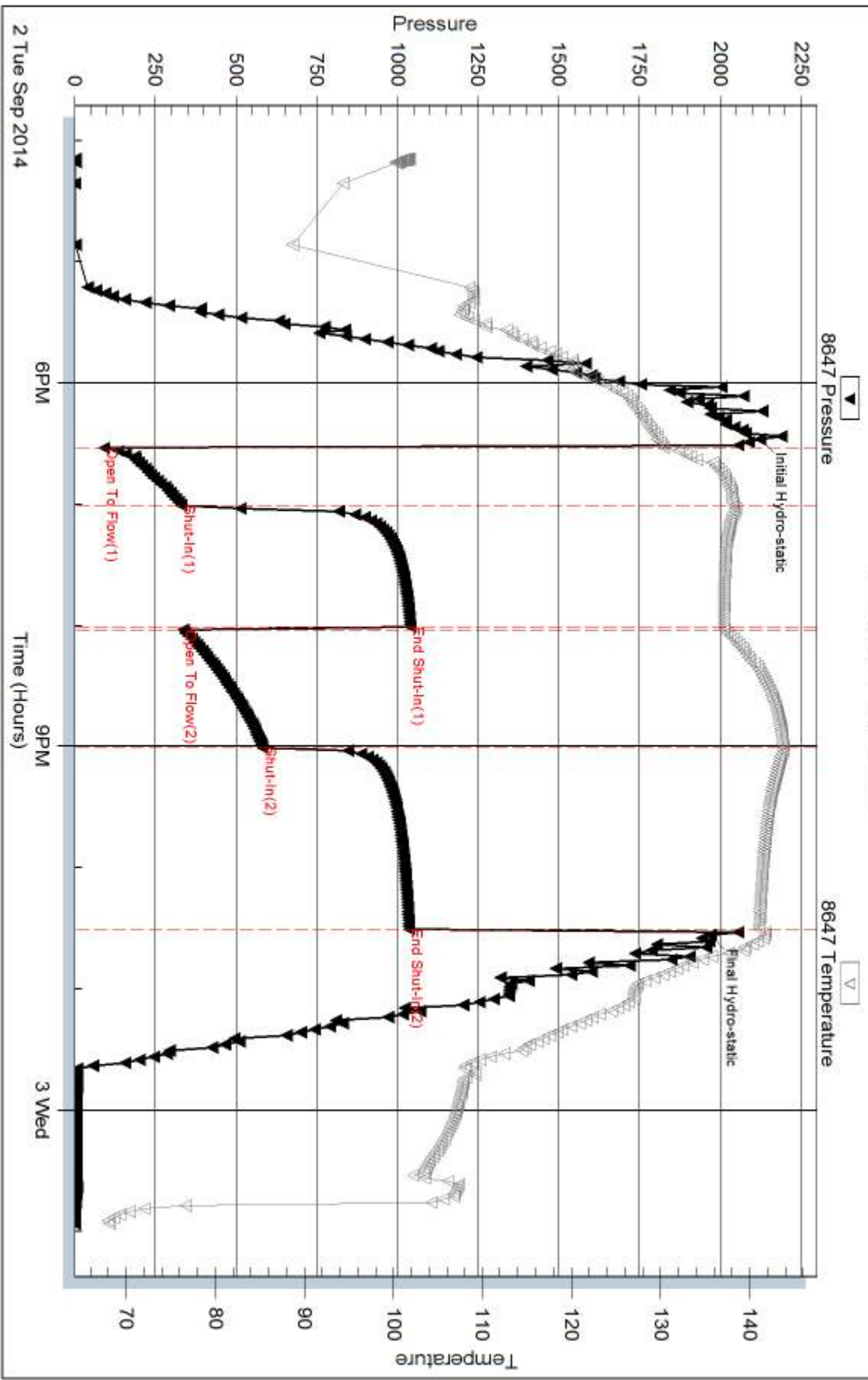
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .174 @ 65F Chlorides 47000ppm

Pressure vs. Time

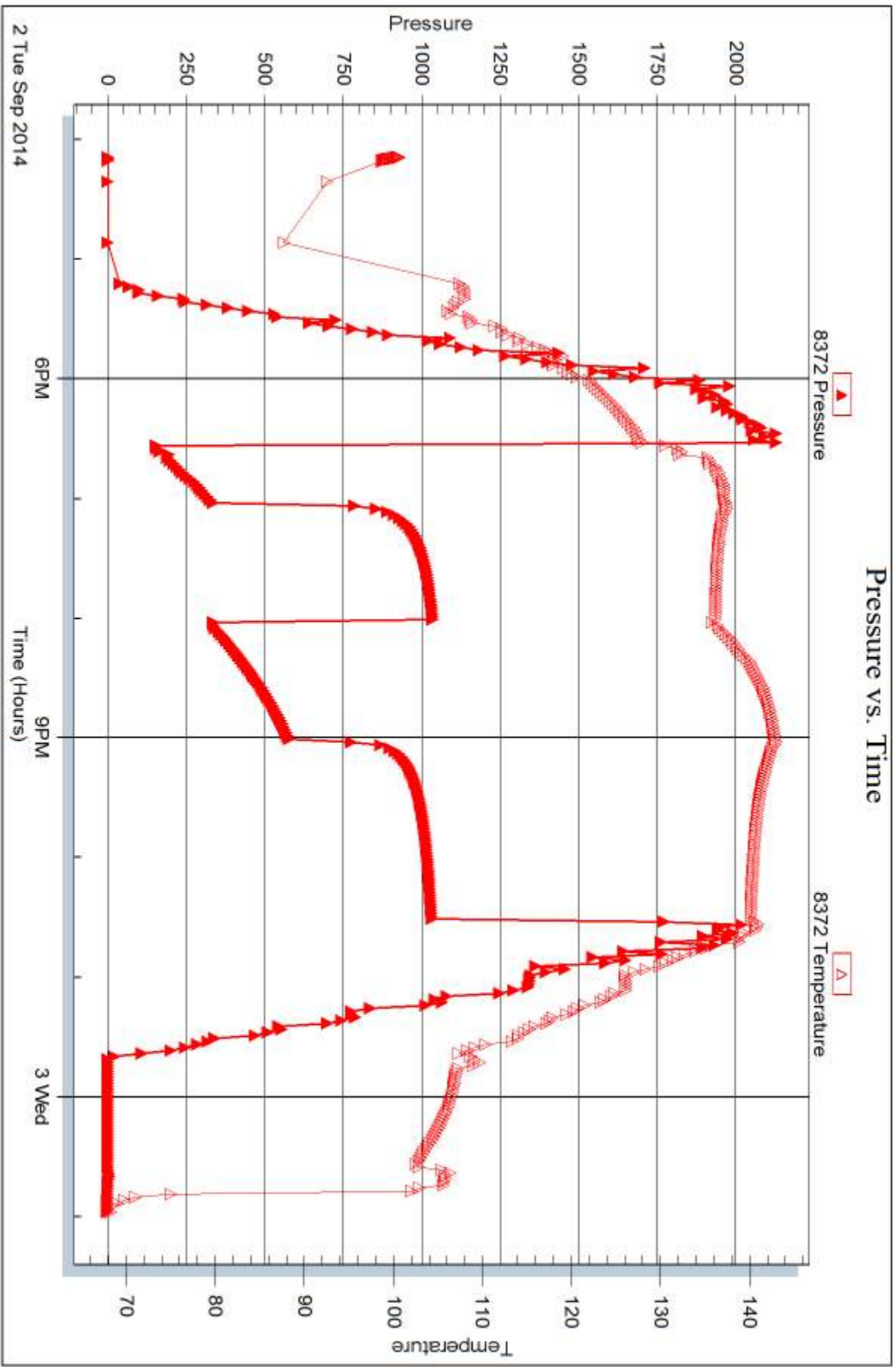


Serial #: 8372

Outside Murfin Dtg Co., Inc.

Wilkinson A #1-34

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60757

Printed: 2014.09.10 @ 10:52:47



DRILL STEM TEST REPORT

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

250 N. Water, STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

Wilkinson A #1-34

34-1s-36w Rawlins,KS

Start Date: 2014.09.03 @ 17:00:00

End Date: 2014.09.04 @ 00:20:30

Job Ticket #: 60138 DST #: 2

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

Printed: 2014.09.10 @ 10:51:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drlg Co., Inc.

34-1s-36w Rawlins,KS

250 N. Water, STE 300
Wichita, KS 67202

Wilkinson A #1-34

Job Ticket: 60138

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2014.09.03 @ 17:00:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:08:00

Time Test Ended: 00:20:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 48

Interval: 4350.00 ft (KB) To 4400.00 ft (KB) (TVD)

Reference Elevations: 3245.00 ft (KB)

Total Depth: 4400.00 ft (KB) (TVD)

3234.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

Press@RunDepth: 33.21 psig @ 4351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.03

End Date:

2014.09.04

Last Calib.: 2014.09.04

Start Time: 17:00:01

End Time:

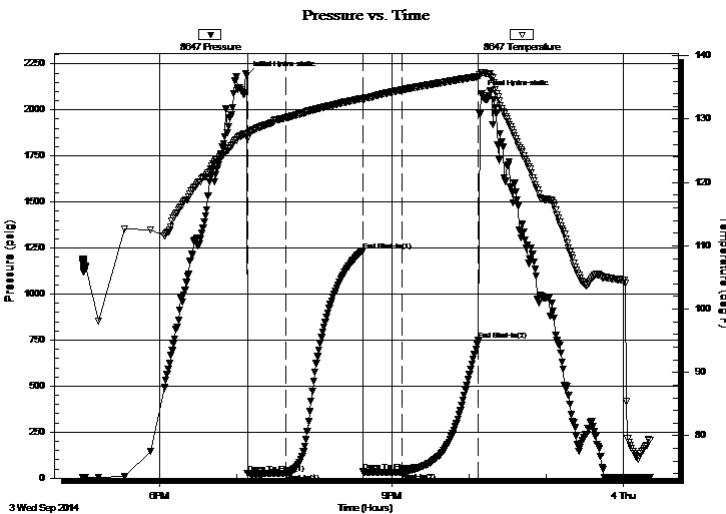
00:20:30

Time On Btm: 2014.09.03 @ 19:07:30

Time Off Btm: 2014.09.03 @ 22:09:30

TEST COMMENT: 30 - IF - No surface blow
60 - ISI - No return
30 - FF - No surface blow
60 - FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.68	127.65	Initial Hydro-static
1	27.16	127.01	Open To Flow (1)
31	27.28	130.22	Shut-In(1)
90	1233.89	133.28	End Shut-In(1)
91	34.70	133.10	Open To Flow (2)
121	33.21	134.62	Shut-In(2)
180	749.35	136.74	End Shut-In(2)
182	2085.22	137.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drlg Co., Inc.

34-1s-36w Rawlins,KS

250 N. Water, STE 300
Wichita, KS 67202

Wilkinson A #1-34

Job Ticket: 60138

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2014.09.03 @ 17:00:00

Tool Information

Drill Pipe:	Length: 4132.00 ft	Diameter: 3.80 inches	Volume: 57.96 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: 207.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 58.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4350.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4323.00	
Shut In Tool	5.00			4328.00	
Hydraulic tool	5.00		Inside	4333.00	
Jars	5.00			4338.00	
Safety Joint	3.00			4341.00	
Packer	5.00			4346.00	28.00 Bottom Of Top Packer
Packer	4.00			4350.00	
Stubb	1.00			4351.00	
Recorder	0.00	8647	Inside	4351.00	
Recorder	0.00	8372	Outside	4351.00	
Perforations	13.00			4364.00	
Change Over Sub	1.00			4365.00	
Drill Pipe	31.00			4396.00	
Change Over Sub	1.00			4397.00	
Bullnose	3.00			4400.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drlg Co., Inc.

34-1s-36w Rawlins,KS

250 N. Water, STE 300
Wichita, KS 67202

Wilkinson A #1-34

Job Ticket: 60138

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2014.09.03 @ 17:00:00

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:

bbf

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

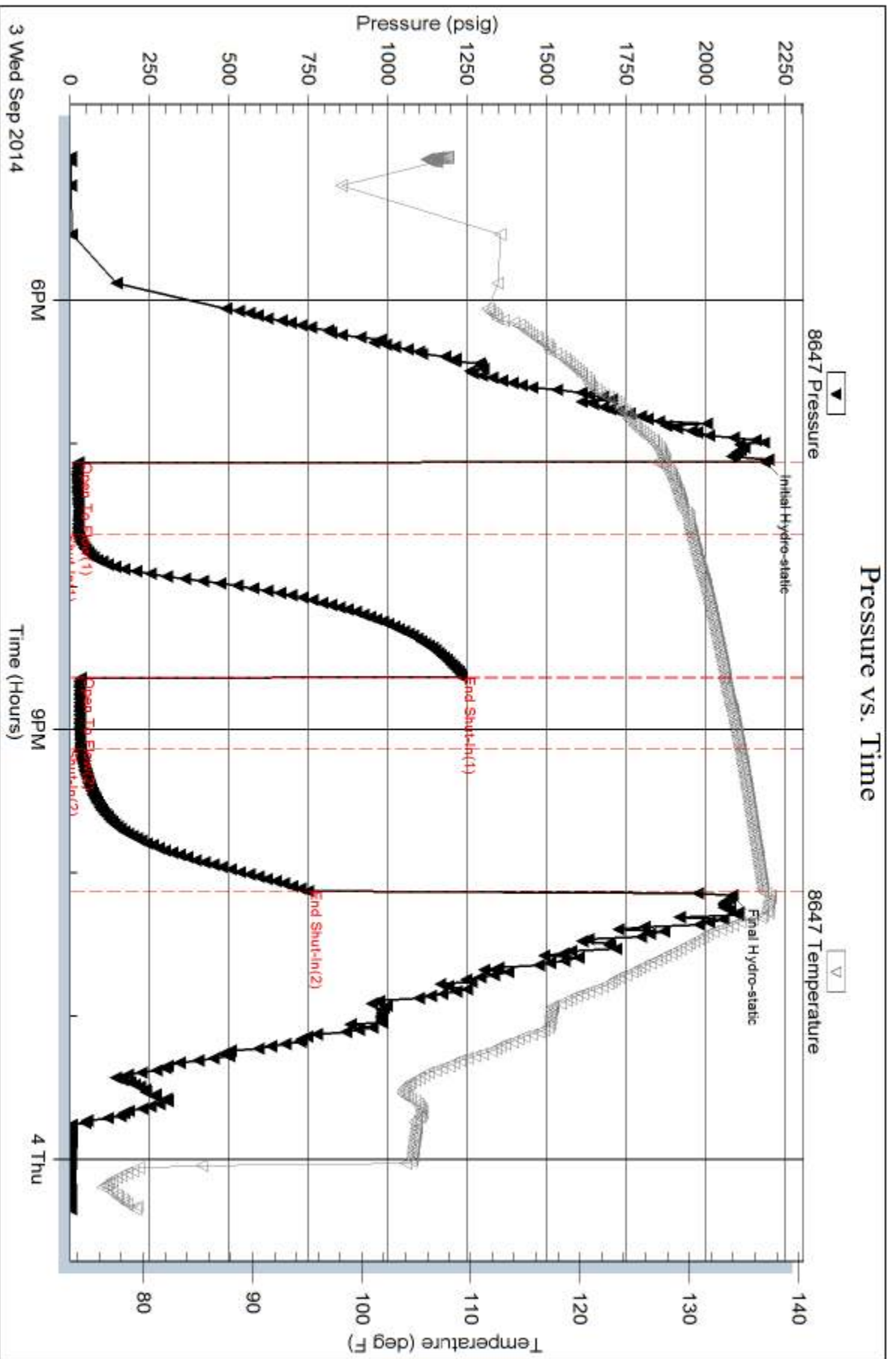
Num Gas Bombs: 0

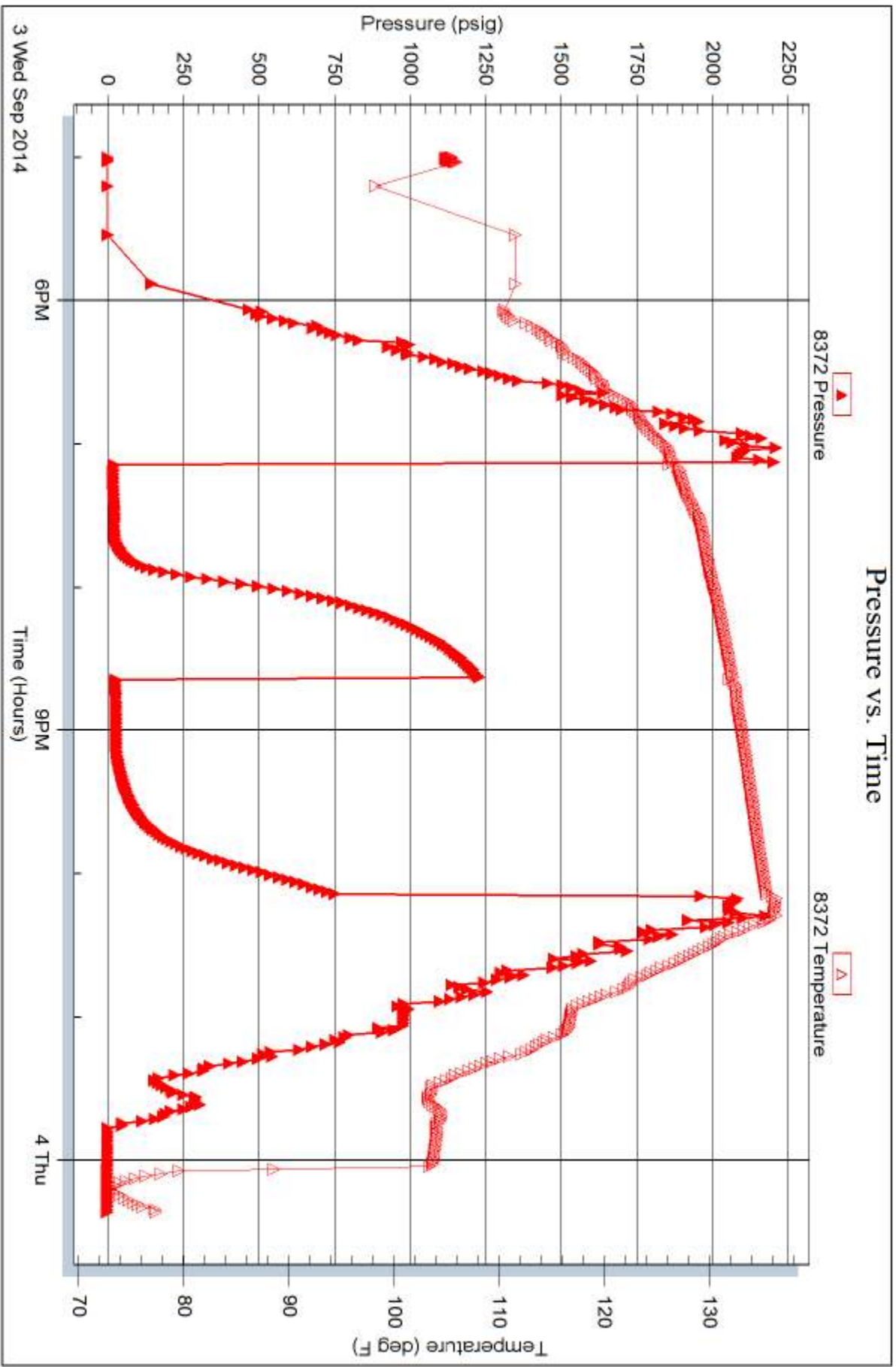
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60757

Well Name & No. Wilkinson 'A' #1-34 Test No. 1 Date 9-2-14
 Company Murfin Drilg. Co., Inc. Elevation 3245 KB 3234 GL
 Address 250 N. Water, STE 300 Wichita, KS 67202
 Co. Rep / Geo. Saman Sharifaie Rig Murfin #2
 Location: Sec. 34 Twp. 1S Rge. 36w Co. Rawlins State KS

Interval Tested 4110-4258 Zone Tested LKC "A-D"
 Anchor Length 148' Drill Pipe Run 3904 Mud Wt. 9
 Top Packer Depth 4105 Drill Collars Run 207.34 Vis 72
 Bottom Packer Depth 4110 Wt. Pipe Run — WL 6.4
 Total Depth 4258 Chlorides 600 ppm System LCM 10

Blow Description IF- Opened w/ surface blow, B.o.B in 7 min.
ISI- No Return
FF- B.o.B in 10 min.
FSI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>258</u>	<u>mud w/ oil spots</u>			<u>100</u>	
<u>434</u>	<u>GWM</u>	<u>20</u>		<u>15</u>	<u>65</u>
<u>427</u>	<u>MW</u>			<u>85</u>	<u>15</u>

Rec Total 1119 BHT 141 Gravity — API RW .174@ 65 °F Chlorides 47000 ppm

(A) Initial Hydrostatic 222 Test 1250 T-On Location 3:50 PM
 (B) First Initial Flow 90 Jars 250 T-Started 4:09 PM
 (C) First Final Flow 330 Safety Joint 75 T-Open 6:32 PM
 (D) Initial Shut-In 1038 Circ Sub _____ T-Pulled 10:32 PM
 (E) Second Initial Flow 335 Hourly Standby _____ T-Out 12:58 AM
 (F) Second Final Flow 582 Mileage 116 R.T. 179.80 Comments _____
 (G) Final Shut-In 1034 Sampler _____
 (H) Final Hydrostatic 1970 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1754.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1754.80

Approved By _____ Our Representative Bud Q. T.

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. 60138

4/10

Well Name & No. Wilkinson 'A' # 1-34 Test No. 2 Date 9-3-14
 Company Murfin Drilling Co., Inc Elevation 3245 KB 3234 GL
 Address 250 N. Water, STE 300 ~~Wichita~~ Wichita, KS, 67202
 Co. Rep / Geo. Saman Sharifaie Rig Murfin #2
 Location: Sec. 34 Twp. 1S Rge. 36 W Co. Rawlins State KS

Interval Tested 4350' - 4400' Zone Tested LKC "J"
 Anchor Length 50' Drill Pipe Run 4132' Mud Wt. 9.2
 Top Packer Depth 4345' Drill Collars Run 207.34 Vis 57
 Bottom Packer Depth 4350' Wt. Pipe Run Ø WL 7.2
 Total Depth 4400' Chlorides 900 ppm System LCM 10[#]

Blow Description IF - No surface blow
ISI - NO return
FF - No surface blow
FSI - NO return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>				<u>100</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 5 BHT 137 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2186 Test 1250 T-On Location 4:01pm
 (B) First Initial Flow 27 Jars 250 T-Started 5:00pm
 (C) First Final Flow 27 Safety Joint 75 T-Open 7:08pm
 (D) Initial Shut-In 1234 Circ Sub n/c T-Pulled 10:08pm
 (E) Second Initial Flow 35 Hourly Standby _____ T-Out 12:22am
 (F) Second Final Flow 33 Mileage 116 R/T 179.80 Comments _____
 (G) Final Shut-In 749 Sampler _____
 (H) Final Hydrostatic 2085 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 1754.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1754.80

Approved By _____ Our Representative Gomeran Neumann

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.

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Marfin Drilling Co., Inc.**
LEASE **Wilkinson "A" #1-34**

FIELD **Wildcat**
LOCATION **2310 FNL & 750 FWL**

SEC **34** TWP **1S** RGE **36W**
COUNTY **Rainbow** STATE **Kansas**
CONTRACTOR **Murfin Drilling #2**
SPUD **08/29/14** COMPE **09/07/14**
RTD **49:50'** LTD **49:53'**
MUD UP **3:30'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3:30'** TO RTD
DRILLING TIME KEPT FROM **3:52'** TO RTD
SAMPLES EXAMINED FROM **3:50'** TO RTD
GEOLOGICAL SUPERVISION FROM **3:30'**
REFERENCE WELL **Berxco-Wilkinson #1-34**

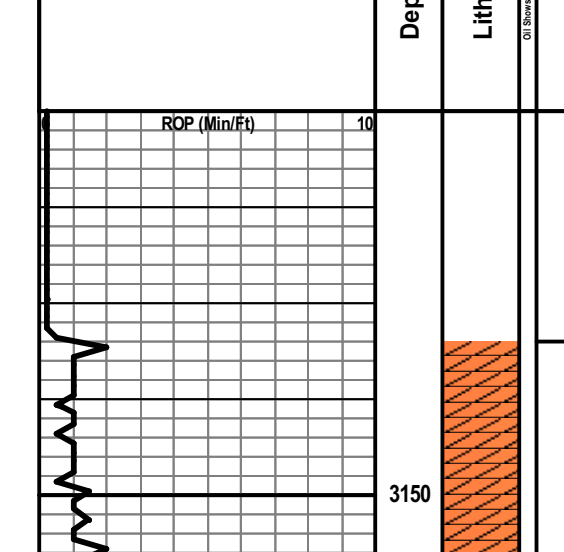
FORMATION **Anhydrite** **3133 (+110)** **3134 (+111)** **3135 (+112)**
Base Anhydrite **3170 (+75)** **3171 (+76)** **3172 (+77)**
Topside **3173 (+78)** **3174 (+79)** **3175 (+80)**
Transition **3176 (+81)** **3177 (+82)** **3178 (+83)**
Base **3179 (+84)** **3180 (+85)** **3181 (+86)**
BKCs **4343 (+1200)** **4344 (+1201)** **4345 (+1202)**
Cherokee **4638 (+1405)** **4639 (+1406)** **4640 (+1407)**
Mississippian **4844 (+1509)**

Formation	Sample Tops	E-log Tops	Strat Pos.
Anhydrite	3133 (+110)	3134 (+111)	+14
Base Anhydrite	3170 (+75)	3171 (+76)	+15
Topside	3173 (+78)	3174 (+79)	+5
Transition	3176 (+81)	3177 (+82)	+3
Base	3179 (+84)	3180 (+85)	+16
BKCs	4343 (+1200)	4344 (+1201)	DNS
Cherokee	4638 (+1405)	4639 (+1406)	DNS
Mississippian	4844 (+1509)	4844 (+1509)	DNS

ELEVATIONS
KB 3245'

DEF _____
GL 32.4'
MEASUREMENTS ARE ALL FROM KELLY BUSHING
CASING
CONDUCTOR _____
SURFACE 8-5/8" at 22.4'

ELECTRICAL SURVEYS
CND, DIL, MEL, SANC
Pioneer Pipeline

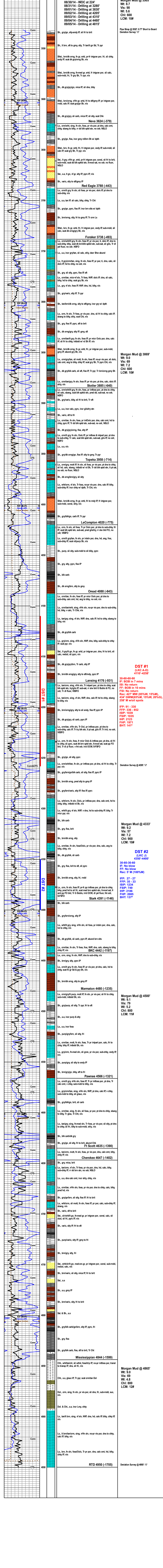


REMARKS Due to poor shows of oil in all potential pay zones and negative DST results, it is recommended and agreed upon by all parties that this well be plugged and abandoned.

Respectfully Submitted,
Saman Sharifaie
Petroleum Geologist

API #15-153-21049

*Tops have been adjusted to electric logs



Engineering Data
Morgan Mud @ 3505'
WT: 8.7
Vis: 98
WI: 5.6
Chi: 600
LCM: 10#

Pipe Strap @ 3532: 0.77 Short to Board
Deviation Survey: 1/2

Morgan Mud @ 3869'
WT: 9.0
Vis: 69
WI: 7.2
Chi: 600
LCM: 10#

Morgan Mud @ 4333'
WT: 9.7
Vis: 57
WI: 7.2
Chi: 900
LCM: 10#

Morgan Mud @ 4500'
WT: 9.1
Vis: 79
WI: 5.2
Chi: 800
LCM: 11#

Morgan Mud @ 4865'
WT: 9.0
Vis: 69
WI: 4.8
Chi: 800
LCM: 12#

Deviation Survey @ 4258: 1/2

Deviation Survey @ 4850: 1/2

DST #1 (LKC A-D) 4110'-4258'

DST #1 (LKC J) 4350'-4400'

DST #2 (LKC J) 4350'-4400'

DST #2 (LKC J) 4350'-4400'

DST #2 (LKC J) 4350'-4400'

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DST #2 (LKC J) 4350'-4400'

ALLIED OIL & GAS SERVICES, LLC 064143

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Oakley KS

DATE <u>8-27-14</u>	SEC <u>34</u>	TWP. <u>1</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>11:00</u>	JOB START <u>11:00 a.m.</u>	JOB FINISH <u>11:30 a.m.</u>
LEASE <u>Wilkinson</u> WELL # <u>1-34</u>		LOCATION <u>Beardsley W on Y to S.S</u>		COUNTY <u>Rawlrs</u>		STATE <u>KS</u>	
OLD OR NEW (Circle one)		N to Z 1 1/2 W S into					

CONTRACTOR <u>Murfin 2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u> T.D. <u>224'</u>	CEMENT AMOUNT ORDERED <u>225 sks Com 31</u>
CASING SIZE <u>8 3/8</u> DEPTH <u>224'</u>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>225 sks @ 17.90 4027.50</u>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>15'</u>	GEL @
PERFS.	CHLORIDE <u>635 @ 1.10 698.50</u>
DISPLACEMENT <u>13 bbl water</u>	ASC @

EQUIPMENT

PUMP TRUCK # <u>431</u>	CEMENTER <u>Paul Beaver</u>
BULK TRUCK # <u>891/810</u>	HELPER <u>Barnera (Trus)</u>
BULK TRUCK #	DRIVER <u>chris (Trus)</u>
BULK TRUCK #	DRIVER

<u>Material Total</u>	@	<u>4,776.00</u>
<u>(1654.10 / 3.3 @)</u>	@	
	@	
	@	
	@	
HANDLING <u>236.25 @ 2.48</u>	@	<u>585.90</u>
MILEAGE <u>10.87 tons @ 75 mi</u>	@	<u>2241.93</u>
TOTAL		

REMARKS:
mip 225 sks
Displace w/ water
cement did w/c

Thank you!
Paul + crew

CHARGE TO: Murfin Drlg.

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>224</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE @	
MILEAGE <u>MTHV 75 @ 7.70</u>	<u>577.50</u>
MANIFOLD <u>3 wedge @ 275.00</u>	<u>275.00</u>
<u>MICV 75 @ 4.40</u>	<u>330.00</u>
TOTAL	

(1932.90 / 35 @) **TOTAL 5,522.58**

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 Aruse C. Chavez

SIGNATURE Aruse C. Chavez

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		_____

SALES TAX (if Any) _____

TOTAL CHARGES 10,248.58

DISCOUNT 3,581.00 (35%) IF PAID IN 30 DAYS

6,667.58 Net



*acct
Producing*

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 145494

Invoice Date: Sep 6, 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	64092	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Sep 6, 2014	10/6/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Wilkinson #1-34		
153.00	CEMENT MATERIALS	Class A Common	17.90	2,738.70
102.00	CEMENT MATERIALS	Pozmix	9.35	953.70
877.00	CEMENT MATERIALS	Gel	0.50	438.50
64.00	CEMENT MATERIALS	Flo Seal	2.97	190.08
273.87	CEMENT SERVICE	Cubic Feet Charge	2.48	679.20
858.00	CEMENT SERVICE	Ton Mileage Charge	2.75	2,359.50
1.00	CEMENT SERVICE	Plug to Abandon	2,600.47	2,600.47
75.00	CEMENT SERVICE	Pump Truck Mileage	7.70	577.50
75.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	330.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Wayne McGhghy		

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

\$ 3,803.67 *OK*

ONLY IF PAID ON OR BEFORE

Oct 6, 2014

Subtotal	10,977.65
Sales Tax	867.23
Total Invoice Amount	11,844.88
Payment/Credit Applied	
TOTAL	11,844.88

OK

8041.21

3803.67

ALLIED OIL & GAS SERVICES, LLC 064092

Federal Tax I.D. # 20-8651476

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

SERVICE POINT
Dakota, KS

DATE <u>9-6-14</u>	SEC. <u>34</u>	TWP. <u>1</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>4:30 am</u>	JOB START <u>7:00 am</u>	JOB FINISH <u>9:00 am</u>
LEASE <u>Willkinson A</u>		WELL# <u>1-34</u>	LOCATION <u>Beardsley N to Rd E, W 55</u>	COUNTY <u>Rawlins</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			<u>1st 1 1/2 W, Suite</u>				

CONTRACTOR Martin 2 OWNER Sam

TYPE OF JOB PTA

HOLE SIZE 7 1/8 T.D. 4950' CEMENT AMOUNT ORDERED 2555kg 60/40 4950'

CASING SIZE _____ DEPTH _____ 4 1/2 # flo-seal

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3150'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 3268 bbl

EQUIPMENT

PUMP TRUCK # 422 CEMENTER hokone E. Wenzel HELPER Wayne McShay

BULK TRUCK # 890/241 DRIVER Esteban Alcalá (TWS)

BULK TRUCK # _____ DRIVER _____

REMARKS:

MIN 50 STS 3150'

MIN 100 STS 2320'

MIN 50 STS 2251'

MIN 10 STS 40' w/ plug

MIN 15 STS P.H.

MIN 30 STS R.H.

Frank Yates

CHARGE TO: Martin

STREET _____

CITY _____ STATE _____ ZIP _____

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 Arno Cabezas

SIGNATURE Arno Cabezas

COMMON 153 stb @ 17.90 2738.70

POZMIX 102 stb @ 9.35 953.70

GEL 877 # @ 1.30 438.80

CHLORIDE _____ @ _____

ASC _____ @ _____

flo-seal 64 # @ 2.97 190.68

Material Total @ _____ 4,322.90

_____ @ _____

HANDLING 223.87 stb @ 2.98 679.20

MILEAGE 11.44 km x 75 x 2.95 2359.50

TOTAL _____

SERVICE

DEPTH OF JOB 3150'

PUMP TRUCK CHARGE _____ 2688.47

EXTRA FOOTAGE _____ @ _____

MILEAGE MTH 75 @ 9.70 577.50

MANIFOLD _____ @ _____

MTH 75 @ 4.40 330.00

_____ @ _____

(2,291.33/35%) TOTAL 6,546.67

PLUG & FLOAT EQUIPMENT

Wooden plug @ _____ 110.00

_____ @ _____

_____ @ _____

_____ @ _____

(0%) TOTAL 110.00

SALES TAX (If Any) _____

TOTAL CHARGES 10,977.65

DISCOUNT 3,803.67 (35%) IF PAID IN 30 DAYS

7,173.97 Net

Wilkinson 'A' #1-34
 Daily Drilling Report
 Page Two

- 9/5/14 Depth 4815'. Cut 355'. DT: None. CT: None. Dev.: None.
- 9/6/14 RTD 4950'. Cut 135'. DT: None. CT: 16½ hrs. Dev.: ¾° @ 4950'. Pioneer logged 7:45PM – 12:30AM 9/6. LTD: 4953'.
- 9/7/14 RTD: 4950'. CT: 6hrs. Allied plugged hole, 9:00AM – 11:40AM, as follows using 60/40 Poz, 4%Gel, ¼#Flo seal, 50sxs @ 3150', 100sxs @ 2390', 50sxs @ 275', 10sxs @ 40', 20sxs RH, 15sxs @ MH. Orders: Darrel KCC. RR @ 1:00PM 9/6. FINAL REPORT

		MDCI Wilkinson 'A' #1-34 2310' FNL 750'FWL Sec. 34-1S-36W 3245' KB					Berexco Wilkinson #1-34 990FNL 1650FEL Sec. 34-T1S-R36W 3300' KB		
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum	
Anhydrite	3135	+110	+13	3134	+111	+14	3203	+97	
B/Anhydrite	3170	+75	+11	3170	+75	+11	3236	+64	
Neva	3629	-384	+10	3624	-379	+15	3694	-394	
Stotler	3890	-645	+8	3885	-640	+13	3953	-653	
Topeka	3962	-717	+1	3958	-714	+4	4018	-718	
Heebner				4126	-881	+15	4196	-896	
Lansing	4178	-933	+11	4176	-931	+13	4244	-944	
Stark	4398	-1153	+7	4391	-1146	+14	4460	-1160	
BKC	4445	-1200	+13	4442	-1197	+16	4513	-1213	
Pawnee	4564	-1319	----	4566	-1321	----	DNR		
Cherokee	4648	-1403	----	4647	-1402	----	DNR		
Mississippi	4852	-1607	----	4844	-1599	----	DNR		
RTD	4950						4553	-1253	
LTD				4953					