

**WELL COMPLETION FORM**
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:

 Yes No

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West_____ Feet from North / South Line of Section_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

 NE NW SE SW

GPS Location: Lat: _____, Long: _____

(e.g. xx.xxxxx)

(e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY Confidentiality Requested

Date: _____

 Confidential Release Date: _____ Wireline Log Received Geologist Report Received UIC DistributionALT I II III Approved by: _____ Date: _____

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: 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> _____	PRODUCTION INTERVAL: _____ _____
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Summary of Changes

Lease Name and Number: Gerstberger 1-29

API/Permit #: 15-203-20233-00-00

Doc ID: 1190165

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	01/22/2014	02/20/2014
CasingSettingDepthPD F_2	4450	4464
If Alternate II Completion - Sacks of Cement	425	625
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=11 83222	../../../../kcc/detail/operatorE ditDetail.cfm?docID=11 90165



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1183222
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

CONFIDENTIAL 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: _____

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Designate Type of Completion:

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- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

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- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
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- 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: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Gerstberger 1-29
Doc ID	1183222

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4417 - 4422 Marmaton A	250 gal 15% MCA, 2000 gal 20% SGA (Marmaton A)	
4	4431 - 4434 Marmaton A		

MDCI Gerstberger #1-29 1800' FNL 660' FEL Sec. 29-T17S-R36W 3298' KB							Arvel C Smith & Toto Gerstberger #1 4620FSL 660FEL Sec. 29-T17S-R36W 3295' KB	
Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite	2420	+878	-63	2350	+948	+7	2354	+941
B/Anhydrite	2438	+860	+5	2437	+861	+6	2440	+855
Topeka	3682	-384	+13	3686	-388	+9	3692	-397
Heebner	3917	-619	+18	3920	-622	+15	3932	-637
Lansing	3963	-665	+15	3970	-672	+8	3975	-680
Stark	4242	-945	+12	4244	-946	+11	4252	-957
Pawnee	4492	-1194	+11	4493	-1195	+10	4500	-1205
Ft. Scott	4537	-1239	+13	4540	-1242	+10	4547	-1252
Johnson	4618	-1320	+15	4622	-1324	+11	4630	-1335
Morrow	4720	-1422	+15	4723	-1425	+12	4732	-1437
Mississippian	4815	-1517	+24	4799	-1501	+40	4836	-1541
RTD							5593	
LTD				4917				

Jeff Christian

PETROLEUM GEOLOGIST

Wichita, Kansas

GEOLOGISTS' REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: **MURFIN DRILLING COMPANY**
 LEASE: **GERSTBERGER # 1-29**
 LOCATION: **1800' FNL & 660' FEL**

SEC. **29** TWP. **17 S** R. **36 W**
 COUNTY: **WICHITA** STATE: **KANSAS**
 FIELD: **WILD CAT**

API: **15-203-20233**
 COMPANY: **TCOILS** RIG NO. **22**
 CONTRACTOR: **TCOILS** RIG NO. **22**
 DRILLING STARTED: **09/24/2013** COMPLETED: **10/04/2013**
 MUD DISP. AGRD: **3360'** MUD TYPE: **CHEMICAL**
 DRILLING TIME: **LEFT FROM 3600'** TO **RTD**
 SAMPLES SAVED FROM: **3600'** TO **RTD**
 SAMPLES EXAMINED FROM: **3600'** TO **RTD**
 GEOLOGICAL SUPERVISION FROM: **3600'** TO **RTD**

FORMATION NAME: **TOP** LOG DATE: **TOP** SAMPLE MEI: **BHS**

TOPEKA 3684' (-388)
 HEENBER 3917' (-619)
 LANSING 3968' (-670)
 STARK 4242' (-944)
 CHEROKEE 4563' (-1265)
 MORROW SH 4718' (-1420)
 MISSISSIPPIAN 4917' (-1619)

ELEVATIONS: **3298'**
 GR: **3287'**

MEASUREMENTS FROM K.B.
 CASING RECORD
 CONDUIT: **NONE**
 Sinker: **8.5/6" @ 272'**
 W/ 200' SX
 Production: **1 1/2" @ 4450'**
 Pipe Stuck

ELECTRICAL SURVES
 PLOTTER:
 DIL:
 CML/CDL:

DATE	7:00 AM DEPTH	REMARKS
9/24/13	1080'	SPUD 11:00 am
9/25/13	2991'	DRLG. dev. 1/4 deg. @ 272'
9/26/13	3675'	DRLG. dev. 0 deg. @ 3600'
9/28/13	4055'	DRLG.
9/29/13	4155'	DRLG. dev. 3 1/4 deg. @ 4090'
9/30/13	4351'	DRLG.
10/1/13	4453'	TIH after DST # 2 dev. 3 deg.
10/2/13	4535'	TIH after DST # 3
10/3/13	4673'	DRLG. dev. 2 1/4 deg.
10/4/13	4908'	DRLG. RTD 4915' @ 7:30 am dev. 2 deg. Finish Logging @ 4:30 pm

Remarks

5 1/2" production casing set to further test the Marmaton formation.

Electric log measurements correlate 2' to 4" deep compared to rotary measurements.

Samples deposited at the Kansas Geological Survey.

Respectfully Submitted,
Jeff Christian
 Jeff Christian

LITH	DRILL TIME (MIN-FT)	DEPTH	SAMPLE DESCRIPTIONS	REMARKS
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Base ANHYDRITE 2437' (+861)
 E Log 2436' (-862)

TOPEKA 3684' (-386)
 E Log 3686' (-388)

HEENBER 3917' (-619)
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TORONTO 3948' (-650)
 E Log 3950' (-652)

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 E Log 3970' (-672)

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Bit Trip @ 3600'
 30'-60'-60'-90'
 Pull PDC Run HTC (GX 225)
 Pipe Strap: 1.98' Short to Board
 dev. 0 deg.

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 30'-60'-60'-90'
 Pull PDC Run HTC (GX 225)
 Pipe Strap: 1.98' Short to Board
 dev. 0 deg.

TOPEKA 3684' (-386)
 E Log 3686' (-388)

HEENBER 3917' (-619)
 E Log 3920' (-622)

TORONTO 3948' (-650)
 E Log 3950' (-652)

LANSING 3968' (-670)
 E Log 3970' (-672)

STARK 4242' (-944)
 E Log 4244' (-946)

CHEROKEE 4563' (-1265)
 E Log 4566' (-1268)

MORROW SH 4718' (-1420)
 E Log 4722' (-1424)

MISSISSIPPIAN 4917' (-1619)
 E Log 4920' (-1622)

RTD 4915' (-1617)
 E Log 4917' (-1619)

Bit Trip @ 3600'
 30'-60'-60'-90'
 Pull PDC Run HTC (GX 225)
 Pipe Strap: 1.98' Short to Board
 dev. 0 deg.

TOPEKA 3684' (-386)
 E Log 3686' (-388)

HEENBER 3917' (-619)
 E Log 3920' (-622)

TORONTO 3948' (-650)
 E Log 3950' (-652)

LANSING 3968' (-670)
 E Log 3970' (-672)

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Bit Trip @ 3600'
 30'-60'-60'-90'
 Pull PDC Run HTC (GX 225)
 Pipe Strap: 1.98' Short to Board
 dev. 0 deg.

TOPEKA 3684' (-386)
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 E Log 3950' (-652)

LANSING 3968' (-670)
 E Log 3970' (-672)

STARK 4242' (-944)
 E Log 4244' (-946)

CHEROKEE 4563' (-1265)
 E Log 4566' (-1268)



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water STE 300
Wichita KS 67202

ATTN: Jeff Christian

Gerstberger #1-29

29-17s-36w Wichita,KS

Start Date: 2013.09.28 @ 14:38:15

End Date: 2013.09.28 @ 23:01:30

Job Ticket #: 52925 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.04 @ 11:28:31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Company

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 52925

DST#: 1

ATTN: Jeff Christian

Test Start: 2013.09.28 @ 14:38:15

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:49:00

Time Test Ended: 23:01:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4057.00 ft (KB) To 4090.00 ft (KB) (TVD)

Reference Elevations: 3298.00 ft (KB)

Total Depth: 4090.00 ft (KB) (TVD)

3287.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8846 Outside

Press @ Run Depth: 195.31 psig @ 4058.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.28

End Date: 2013.09.28

Last Calib.: 2013.09.28

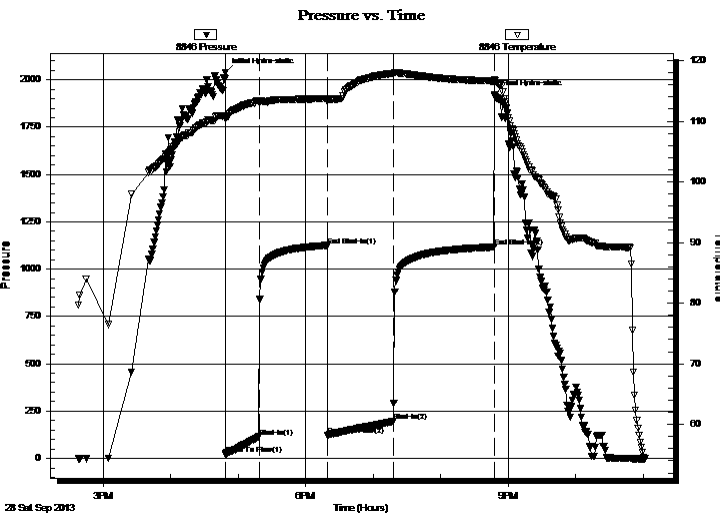
Start Time: 14:38:15

End Time: 23:01:30

Time On Btm: 2013.09.28 @ 16:48:45

Time Off Btm: 2013.09.28 @ 20:48:00

TEST COMMENT: IF: Built to 7" blow
IS: No return blow
FF: BOB in 55 min.
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.13	110.91	Initial Hydro-static
1	22.45	110.40	Open To Flow (1)
30	114.00	113.28	Shut-In(1)
91	1125.03	113.74	End Shut-In(1)
91	121.08	113.22	Open To Flow (2)
150	195.31	117.91	Shut-In(2)
239	1116.45	116.64	End Shut-In(2)
240	1920.20	116.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
237.00	mcsw 10%m 90%sw	1.17
161.00	mud 100%m	1.93

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 52925

DST#: 1

ATTN: Jeff Christian

Test Start: 2013.09.28 @ 14:38:15

Tool Information

Drill Pipe:	Length: 3768.00 ft	Diameter: 3.80 inches	Volume: 52.86 bbl	Tool Weight: 1500.00 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: 273.00 ft	Diameter: 2.25 inches	Volume: 1.34 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4057.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			4030.00	
Shut In Tool	5.00			4035.00	
Hydraulic tool	5.00			4040.00	
Jars	5.00			4045.00	
Safety Joint	3.00			4048.00	
Packer	5.00			4053.00	28.00 Bottom Of Top Packer
Packer	4.00			4057.00	
Stubb	1.00			4058.00	
Recorder	0.00	8737	Inside	4058.00	
Recorder	0.00	8846	Outside	4058.00	
Perforations	27.00			4085.00	
Bullnose	5.00			4090.00	33.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 52925

DST#: 1

ATTN: Jeff Christian

Test Start: 2013.09.28 @ 14:38:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
237.00	mcsw 10%m 90%sw	1.166
161.00	mud 100%m	1.930

Total Length: 398.00 ft Total Volume: 3.096 bbl

Num Fluid Samples: 0

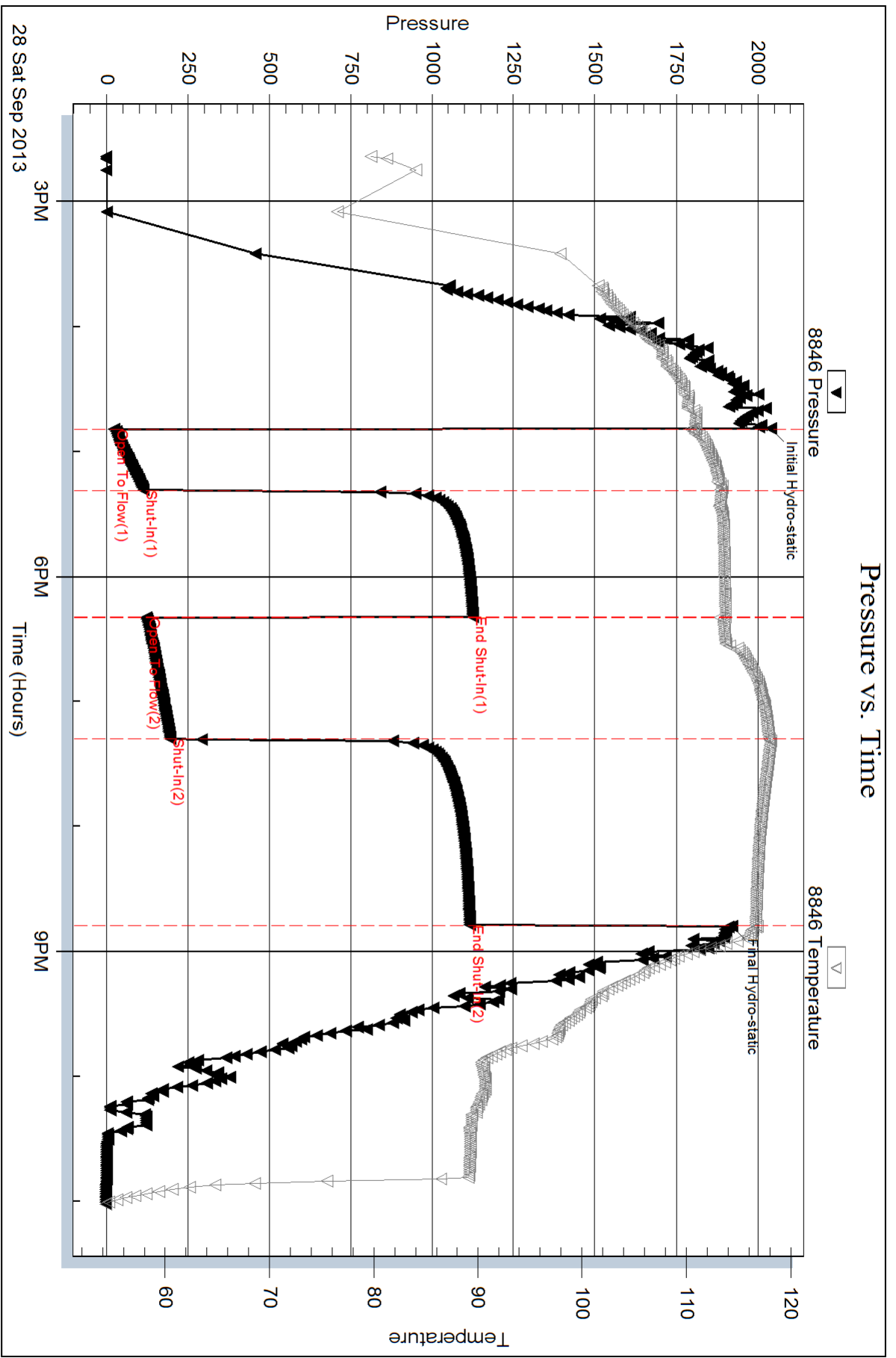
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .498@ 52.8= 19,000 ppm



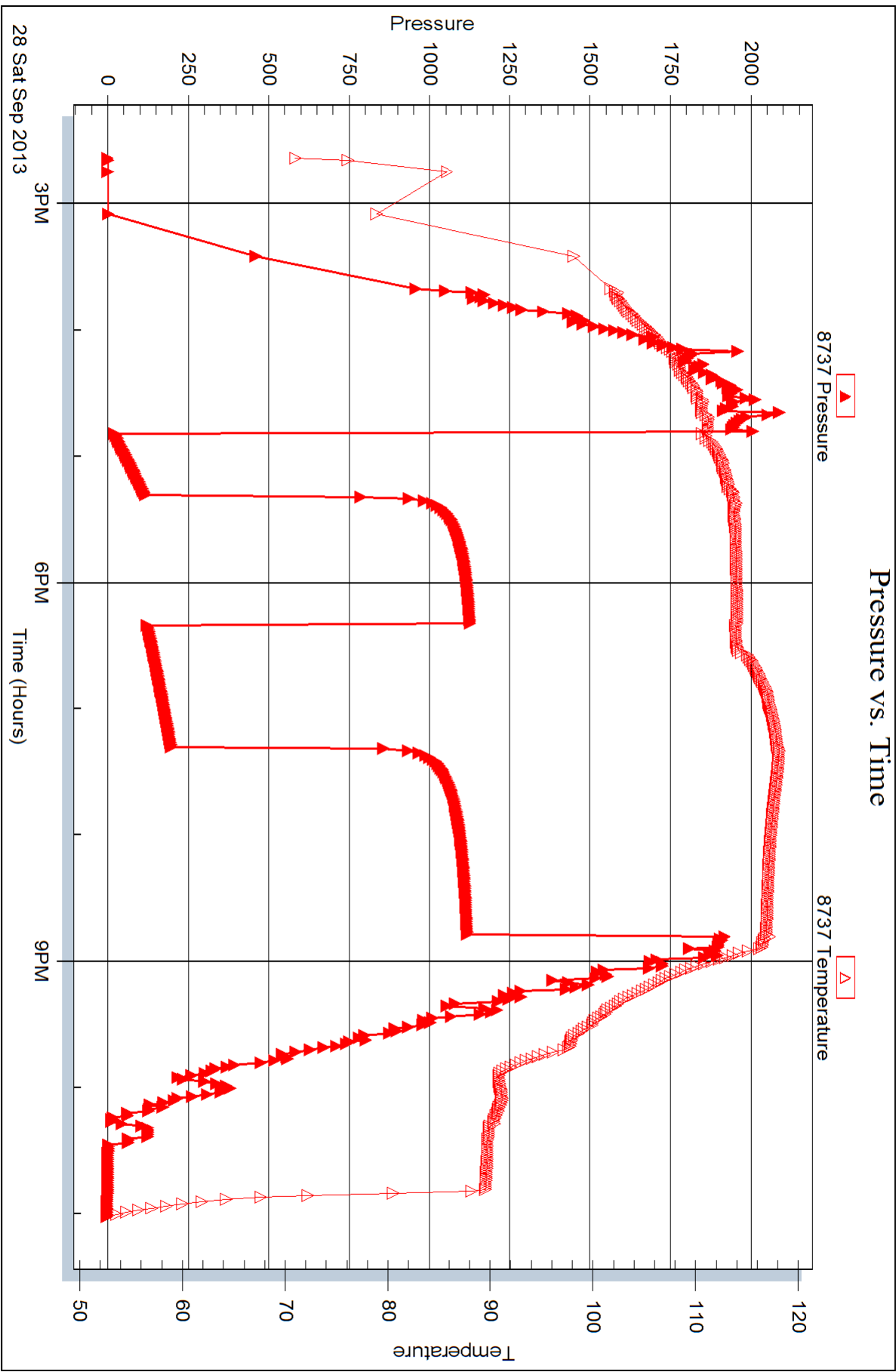
Serial #: 8737

Inside

Murfin Drilling Company

Gerstberger #1-29

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52925

Printed: 2013.10.04 @ 11:28:33



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water STE 300
Wichita KS 67202

ATTN: Jeff Christian

Gerstberger #1-29

29-17s-36w Wichita,KS

Start Date: 2013.09.30 @ 20:46:15

End Date: 2013.10.01 @ 05:50:00

Job Ticket #: 54676 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.04 @ 11:27:20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company
 250 N Water STE 300
 Wichita KS 67202
 ATTN: Jeff Christian

29-17s-36w Wichita, KS

Gerstberger #1-29

Job Ticket: 54676

DST#: 2

Test Start: 2013.09.30 @ 20:46:15

GENERAL INFORMATION:

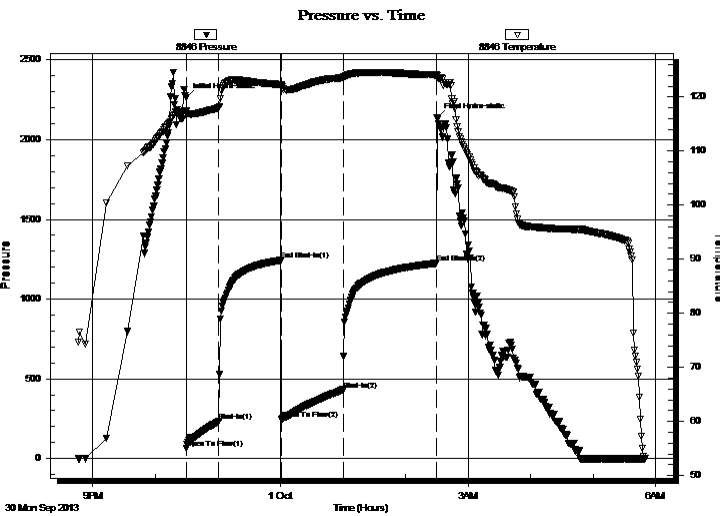
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:29:30
 Time Test Ended: 05:50:00
 Interval: **4406.00 ft (KB) To 4453.00 ft (KB) (TVD)**
 Total Depth: 4456.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3298.00 ft (KB)
 3287.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8846

Inside

Press @ Run Depth: 431.39 psig @ 4407.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.30 End Date: 2013.10.01 Last Calib.: 2013.10.01
 Start Time: 20:46:15 End Time: 05:50:00 Time On Btm: 2013.09.30 @ 22:29:15
 Time Off Btm: 2013.10.01 @ 02:30:00

TEST COMMENT: IF: BOB in 4 min
 IS: BOB in 45 min
 FF: BOB in 1 min.
 FS: BOB in 41 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.83	117.38	Initial Hydro-static
1	62.64	116.91	Open To Flow (1)
32	234.03	118.05	Shut-In(1)
91	1243.38	122.30	End Shut-In(1)
92	246.58	122.06	Open To Flow (2)
151	431.39	123.60	Shut-In(2)
240	1224.54	124.06	End Shut-In(2)
241	2137.81	123.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
237.00	gcmo 5%g 30%m 65%o	1.17
372.00	mcgo 10%m 30%g 60%o	5.22
496.00	gco 10%g 90%o	6.96
0.00	GIP= 992 feet	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 54676

DST#: 2

ATTN: Jeff Christian

Test Start: 2013.09.30 @ 20:46:15

Tool Information

Drill Pipe:	Length: 4162.00 ft	Diameter: 3.80 inches	Volume: 58.38 bbl	Tool Weight: 1500.00 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4406.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	76.00 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			4378.00	
Shut In Tool	5.00			4383.00	
Hydraulic tool	5.00			4388.00	
Jars	5.00			4393.00	
Safety Joint	3.00			4396.00	
Packer	5.00			4401.00	29.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Recorder	0.00	8846	Inside	4407.00	
Recorder	0.00	8737	Outside	4407.00	
Perforations	2.00			4409.00	
Change Over Sub	1.00			4410.00	
Drill Pipe	32.00			4442.00	
Change Over Sub	1.00			4443.00	
Perforations	5.00			4448.00	
Bullnose	5.00			4453.00	47.00 Bottom Packers & Anchor
Total Tool Length:	76.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

29-17s-36w Wichita,KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 54676

DST#: 2

ATTN: Jeff Christian

Test Start: 2013.09.30 @ 20:46:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
237.00	gcmo 5%g 30%m 65%o	1.166
372.00	mcgo 10%m 30%g 60%o	5.218
496.00	gco 10%g 90%o	6.958
0.00	GIP= 992 feet	0.000

Total Length: 1105.00 ft Total Volume: 13.342 bbl

Num Fluid Samples: 0

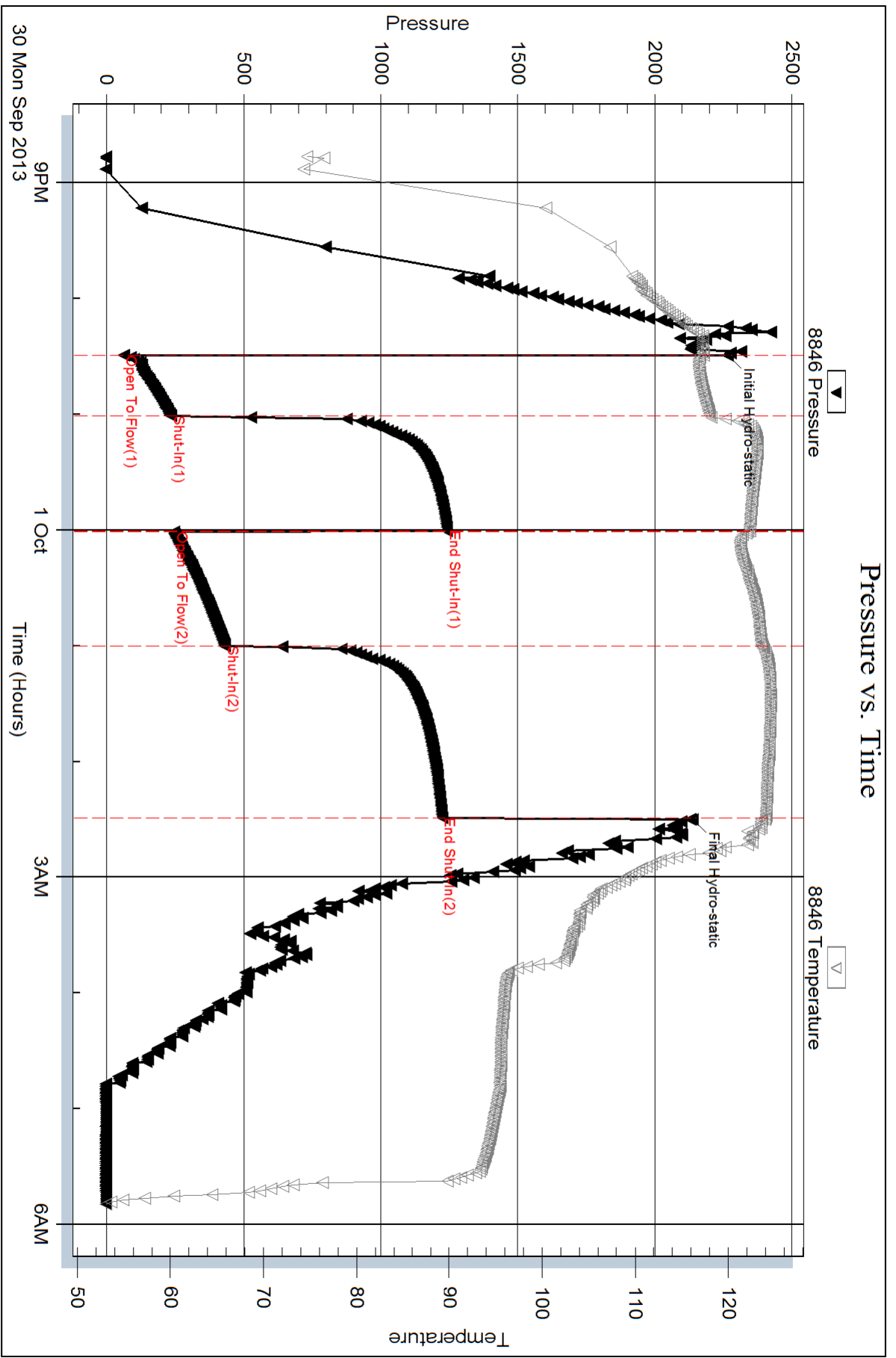
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 33@ 50 corrected to 33@ 60

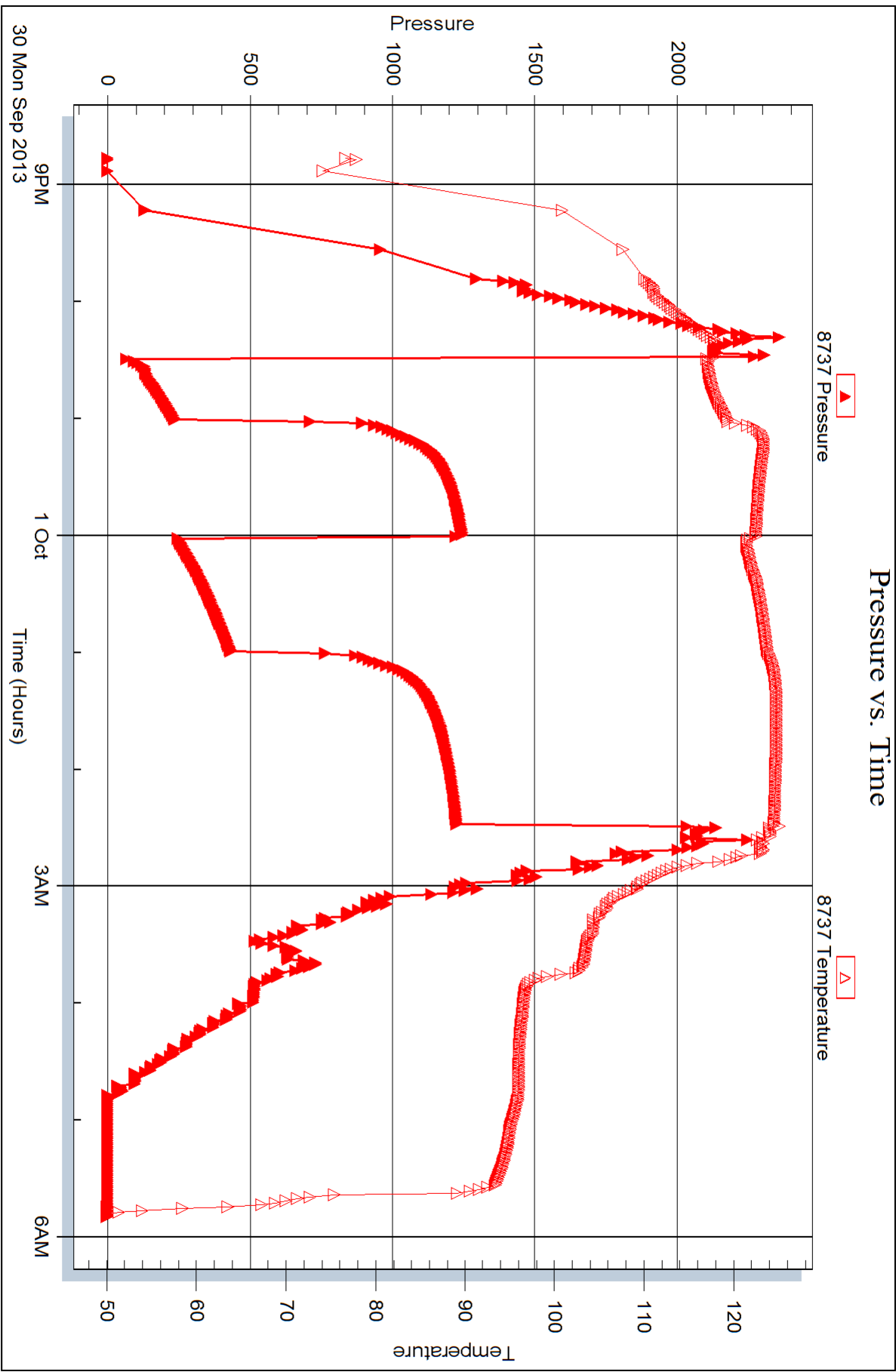


Serial #: 8737

Outside Murfin Drilling Company

Gerstberger #1-29

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water STE 300
Wichita KS 67202

ATTN: Jeff Christian

Gerstberger #1-29

29-17s-36w Wichita,KS

Start Date: 2013.10.01 @ 23:18:15

End Date: 2013.10.02 @ 06:48:45

Job Ticket #: 54677 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.04 @ 11:26:43

Murfin Drilling Company

29-17s-36w Wichita,KS

Gerstberger #1-29

DST # 3

Pawnee-Lower Pawnee

2013.10.01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 54677

DST#: 3

ATTN: Jeff Christian

Test Start: 2013.10.01 @ 23:18:15

GENERAL INFORMATION:

Formation: **Pawnee-Lower Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:28:45

Time Test Ended: 06:48:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4482.00 ft (KB) To 4535.00 ft (KB) (TVD)

Reference Elevations: 3298.00 ft (KB)

Total Depth: 4435.00 ft (KB) (TVD)

3287.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8846

Inside

Press @ Run Depth: 45.05 psig @ 4483.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.01

End Date:

2013.10.02

Last Calib.:

2013.10.02

Start Time: 23:18:15

End Time:

06:48:45

Time On Btm:

2013.10.02 @ 01:28:30

Time Off Btm:

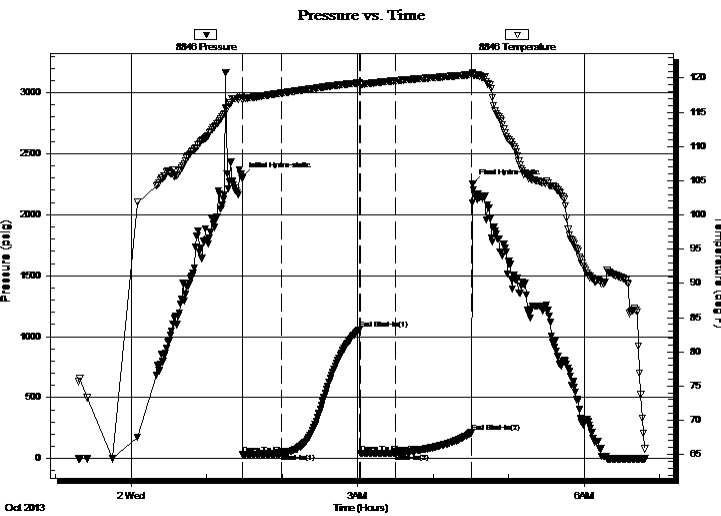
2013.10.02 @ 04:31:30

TEST COMMENT: IF: Built to weak surface blow and died in 23 min.

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.52	117.40	Initial Hydro-static
1	35.32	116.81	Open To Flow (1)
32	39.96	117.81	Shut-In(1)
93	1058.30	119.30	End Shut-In(1)
94	42.54	119.13	Open To Flow (2)
122	45.05	119.60	Shut-In(2)
183	214.09	120.49	End Shut-In(2)
183	2254.51	120.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 3%o 97% m	0.05

* 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

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 54677

DST#: 3

ATTN: Jeff Christian

Test Start: 2013.10.01 @ 23:18:15

Tool Information

Drill Pipe:	Length: 4229.00 ft	Diameter: 3.80 inches	Volume: 59.32 bbl	Tool Weight: 1500.00 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4482.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	82.00 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			4454.00	
Shut In Tool	5.00			4459.00	
Hydraulic tool	5.00			4464.00	
Jars	5.00			4469.00	
Safety Joint	3.00			4472.00	
Packer	5.00			4477.00	29.00 Bottom Of Top Packer
Packer	5.00			4482.00	
Stubb	1.00			4483.00	
Recorder	0.00	8846	Inside	4483.00	
Recorder	0.00	8737	Outside	4483.00	
Perforations	3.00			4486.00	
Change Over Sub	1.00			4487.00	
Drill Pipe	32.00			4519.00	
Change Over Sub	1.00			4520.00	
Perforations	10.00			4530.00	
Bullnose	5.00			4535.00	53.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

29-17s-36w Wichita, KS

250 N Water STE 300
Wichita KS 67202

Gerstberger #1-29

Job Ticket: 54677

DST#: 3

ATTN: Jeff Christian

Test Start: 2013.10.01 @ 23:18:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	ocm 3%o 97%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:

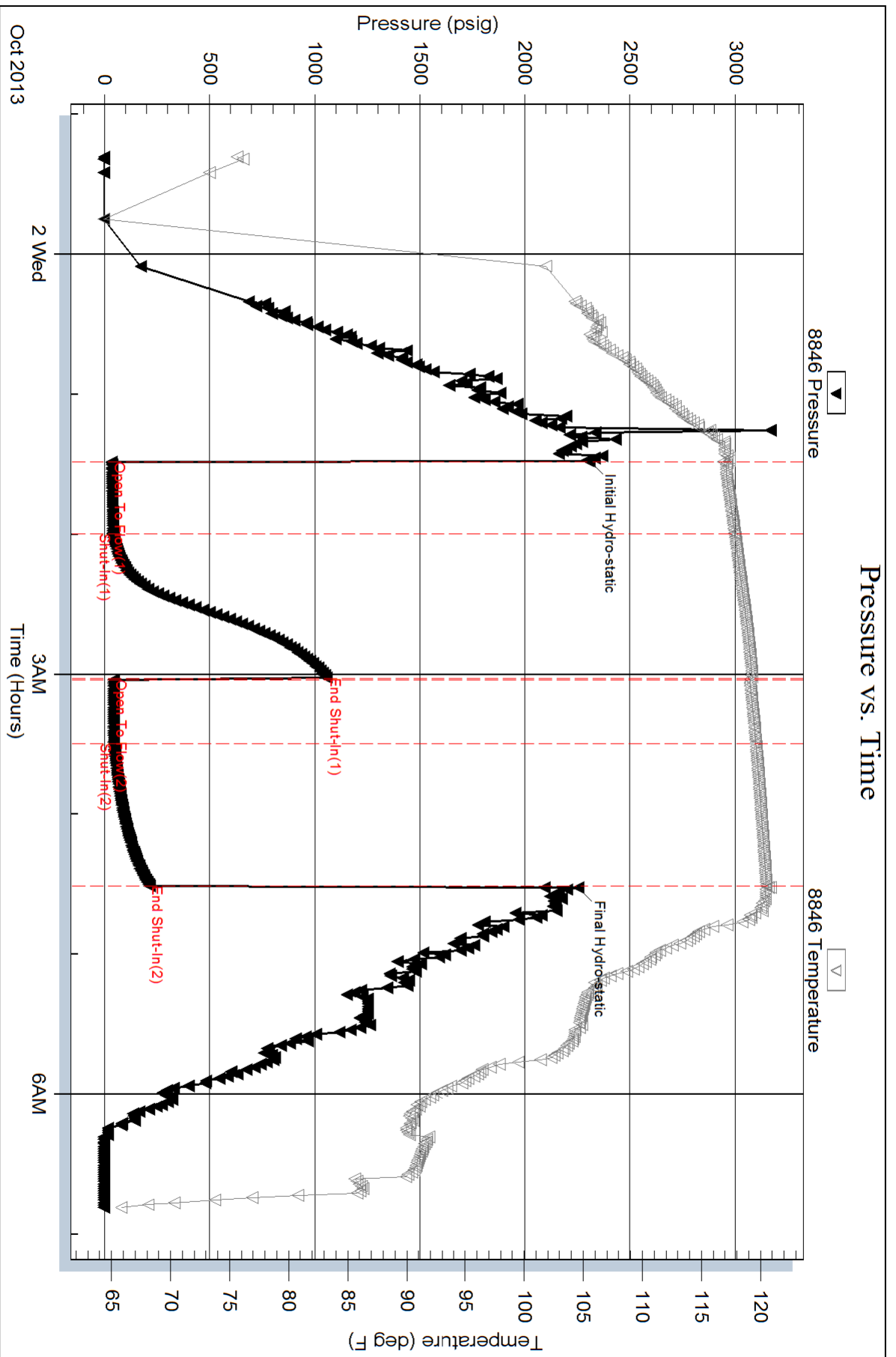
Serial #: 8846

Inside

Murfin Drilling Company

Gerstberger #1-29

DST Test Number: 3

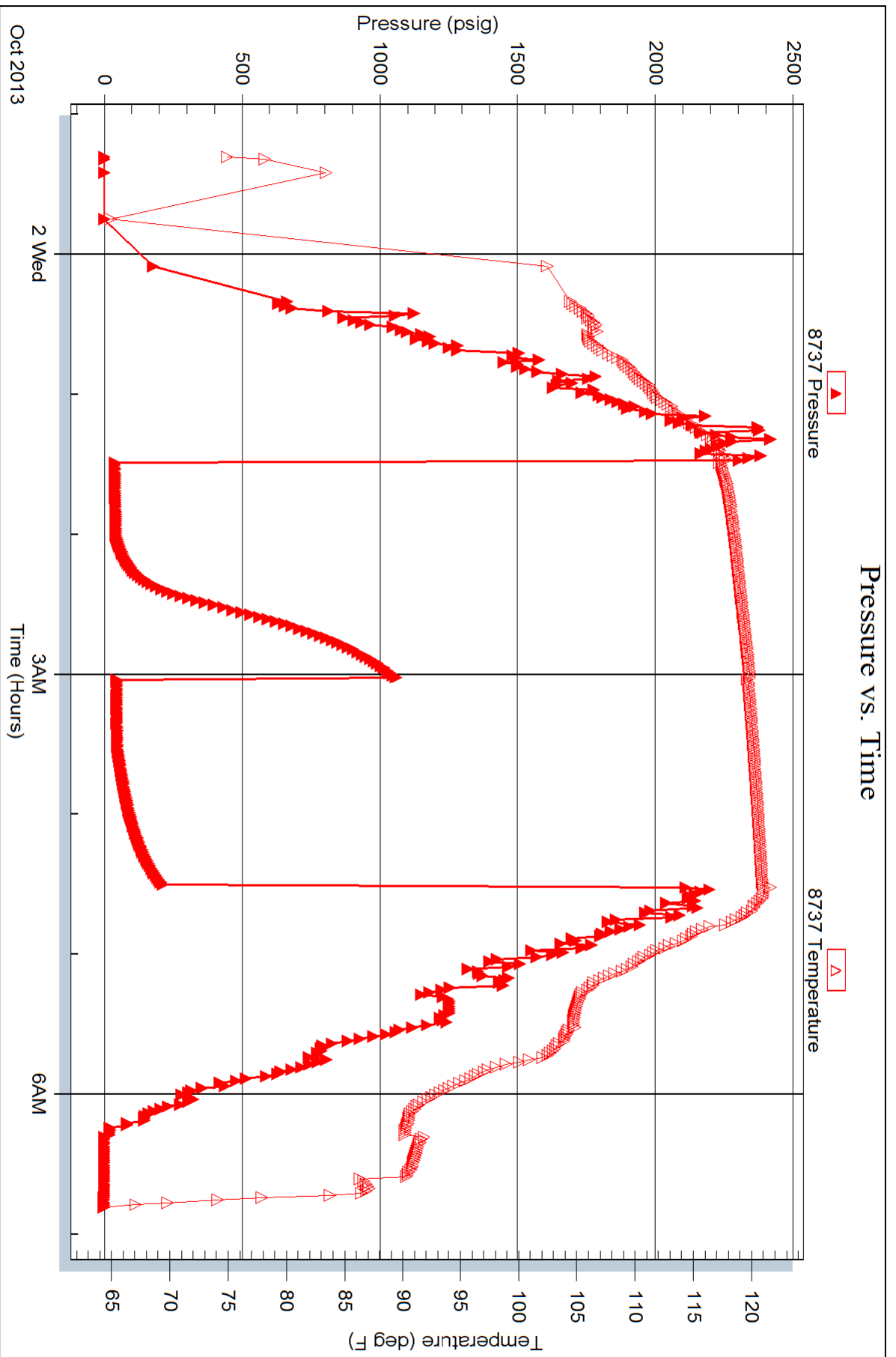


Serial #: 8737

Outside Murfin Drilling Company

Gerstberger #1-29

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

785-650-5123

Mike ROBERTS

Test Ticket

NO. 52925

4/10

Well Name & No. Gerstberger #1-29 Test No. 1 Date 9-28-13
 Company Martin Drlg Co. Elevation 3298 KB 3287 GL
 Address 250 N. Water STE 300 Wichita KS 67202
 Co. Rep / Geo. Jeff Christian Rig Martin 22
 Location: Sec. 29 Twp. 17S Rge. 36W Co. Wichita State KS

Interval Tested 4057-4090 Zone Tested ~~3768~~ E-F
 Anchor Length 33 Drill Pipe Run 3768 Mud Wt. 8.8
 Top Packer Depth 4053 Drill Collars Run ~~237~~ 237 Vis 52
 Bottom Packer Depth 4057 Wt. Pipe Run 0 WL 6.0
 Total Depth 4090 Chlorides 5700 ppm System LCM 9
 Blow Description IF: Built to 7"
FS: NO Return Blow
FF: BOB in 55 Min
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>161</u>	<u>MD</u>			<u>100</u>	
<u>237</u>	<u>MCSW</u>		<u>90</u>	<u>70</u>	

Rec Total 398 BHT 116 Gravity — API RW .498@ 52.8° F Chlorides 19000 ppm

(A) Initial Hydrostatic <u>2039</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:38</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>14:38</u>
(C) First Final Flow <u>114</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:48</u>
(D) Initial Shut-In <u>1125</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>20:48</u>
(E) Second Initial Flow <u>121</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:01</u>
(F) Second Final Flow <u>195</u>	<input checked="" type="checkbox"/> Mileage <u>54 RT</u> 83.70	Comments
(G) Final Shut-In <u>1116</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1920</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1658.70</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1658.70</u>	

Approved By Jeff Christian Our Representative Mike Roberts

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. **54676**

Well Name & No. Gierstberger # 1-29 Test No. 2 Date 9-30-13
 Company Murfin Drilling Co. Elevation 3298 KB 3287 GL
 Address 250 N. Water STE 300 Wichita KS 67202
 Co. Rep / Geo. Jeff Christian Rig Murfin 22
 Location: Sec. 29 Twp. 17S Rge. 36W Co. Wichita State KS

Interval Tested 4406-4453 Zone Tested Marmaton
 Anchor Length 4402 47 Drill Pipe Run 4162 Mud Wt. 9.2
 Top Packer Depth 4406 4402 Drill Collars Run 237 Vis 54
 Bottom Packer Depth 4453 4406 Wt. Pipe Run 6 WL 9.2
 Total Depth 4453 Chlorides 11,600 ppm System LCM 8
 Blow Description IF: BOB in 4 Min
IS: BOB in 45 Min
FF: BOB in 1 Min
FS: BOB in 41 Min

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>GIP = 992'</u>	<u>100</u>			
<u>496</u>	<u>MC 90</u>	<u>10</u>	<u>90</u>		
<u>372</u>	<u>MC 90</u>	<u>30</u>	<u>60</u>		<u>10</u>
<u>237</u>	<u>GC 90</u>	<u>5</u>	<u>65</u>		<u>30</u>

Rec Total 1105 BHT 125 Gravity 32 API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2265</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>20:30</u>
(B) First Initial Flow <u>62</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:46</u>
(C) First Final Flow <u>234</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:30</u>
(D) Initial Shut-In <u>1243</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>02:30</u>
(E) Second Initial Flow <u>246</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:50</u>
(F) Second Final Flow <u>431</u>	<input checked="" type="checkbox"/> Mileage <u>54 RT</u> 83.70	Comments
(G) Final Shut-In <u>1224</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2137</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>716.67</u>
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 21.5h</u>	Total <u>2375.37</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1658.70</u>	

Approved By [Signature] Our Representative Mike Roberts
 Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54677

Well Name & No. Gerstberger #1-29 Test No. 3 Date 10-1-13
 Company Murfin Drilling Co Elevation 3298 KB 3287 GL
 Address 250 N. Water STE 300 Wichita KS 67202
 Co. Rep / Geo. Jeff Christian Rig Murfin 22
 Location: Sec. 29 Twp. 17S Rge. 36W Co. Wichita State KS

Interval Tested 4482-4535 Zone Tested Pawnee - Lower Pawnee
 Anchor Length 53 Drill Pipe Run 4229 Mud Wt. 9.1
 Top Packer Depth 4478 Drill Collars Run 237 Vis 46
 Bottom Packer Depth 4482 Wt. Pipe Run 0 WL 9.2
 Total Depth 4535 Chlorides 11,000 ppm System LCM 8
 Blow Description IF: Built to weak surface Blow & Dried in 23 Min
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>		<u>3</u>	<u>97</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 10 BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2306</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>22:20</u>
(B) First Initial Flow <u>35</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>23:18</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>04:30</u>
(D) Initial Shut-In <u>1058</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>04:30</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>06:48</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>54 RT</u> <u>12</u> <u>167.40</u>	Comments <u>late loaded</u>
(G) Final Shut-In <u>214</u>	<input type="checkbox"/> Sampler	<u>tools at 9:00 AM</u>
(H) Final Hydrostatic <u>2254</u>	<input type="checkbox"/> Straddle	<u>on 10-4-13</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>1600</u>
Final Shut-In <u>100</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 26.25h</u>	Total <u>3342.40</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1742.40</u>	

Approved By Jeff Christian Our Representative Mike Robert

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PO Box 93999
Southlake, TX 76092

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

INVOICE

*net.
Prod-LH*

Invoice Number: 138938
Invoice Date: Sep 24, 2013
Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	61137	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 24, 2013	10/24/13

Quantity	Item	Description	Unit Price	Amount
200.00	CEMENT MATERIALS	Gerstberger #1-29		
		Class A Common	17.90	3,580.00
7.00	CEMENT MATERIALS	Chloride	64.00	448.00
209.93	CEMENT SERVICE	Cubic Feet	2.48	520.63
630.50	CEMENT SERVICE	Ton Mileage	2.60	1,639.30
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
65.00	CEMENT SERVICE	Pump Truck Mileage	7.70	500.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
65.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	286.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		

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

\$ 3,066.58

ONLY IF PAID ON OR BEFORE
Oct 19, 2013

Subtotal	8,761.68
Sales Tax	328.28
Total Invoice Amount	9,089.96
Payment/Credit Applied	
TOTAL	9,089.96

ALLIED OIL & GAS SERVICES, LLC 061137

Federal Tax I.D. # 20-8661475

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

SERVICE POINT: Oakley KS

DATE <u>9/24/13</u>	SEC <u>29</u>	TWP. <u>17</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>2:00 p.m.</u>	JOB START <u>3:00 p.m.</u>	JOB FINISH <u>3:30 p.m.</u>
LEASE <u>Garstberger</u>	WELL # <u>1-29</u>		LOCATION <u>Russel Springs 255 to Rd H</u>		COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>E to Rd 15 25 Winto</u>				

CONTRACTOR Murfin 22
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 272'
 CASING SIZE 8 5/8 DEPTH 272'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 16.37 bbl

OWNER Same
 CEMENT AMOUNT ORDERED 200 sks Com 3% CC
 COMMON 200 sks @ 17.90 3580.00
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 7 sks @ 64.00 448.00
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

EQUIPMENT
 PUMP TRUCK CEMENTER Paul Beaver
 # 120 HELPER Tyler Elise
 BULK TRUCK
 # 600 DRIVER Brandon Wilkinson
 BULK TRUCK
 # _____ DRIVER _____

HANDLING 209.93 ft³ @ 2.48 520.63
 MILEAGE 9.7 tons x 65 x 2.60 1639.30
 TOTAL ~~4187.93~~
6,187.93

REMARKS:
Mix 200 sks Com 3% CC
Displace with water
Cement did circulate

Thank you!

SERVICE
 DEPTH OF JOB 272'
 PUMP TRUCK CHARGE _____ 1512.25
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 65 @ 7.70 500.50
 MANIFOLD Swedge @ _____ 275.00
65 @ 4.40 286.00
 _____ @ _____
 TOTAL ~~7737.75~~
2573.75

CHARGE TO: Murfin Drilling Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

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

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

PRINTED NAME Kelly Wilson
 SIGNATURE Kelly Wilson

SALES TAX (If Any) _____
 TOTAL CHARGES 8,761.68
 DISCOUNT 3,066.58 IF PAID IN 30 DAYS
5,695.09 Net.



CONSOLIDATED
Oil Well Services, LLC

Acct -
cc: Lin
cc: WF
cc: L-1

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

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

INVOICE

Invoice # 263681

Invoice Date: 10/31/2013 Terms: 10/10/30,n/30

Page 1

MURFIN DRILLING
3490 WEST JONES AVENUE
GARDEN CITY KS 67846
() -

GERSTBERGER 1-29
44346
29-17S-36W
10-5-2013
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	130.00	23.7000 <i>OK</i>	3081.00
1131	60/40 POZ MIX	475.00	15.8600 <i>OK</i>	7533.50
1118B	PREMIUM GEL / BENTONITE	3272.00	.2700 <i>OK</i>	883.44
1110A	KOL SEAL (50# BAG)	650.00	.5600 <i>OK</i>	364.00
1107	FLO-SEAL (25#)	119.00	2.9700 <i>OK</i>	353.43
1111A	SODIUM METASILICATE	100.00	2.5200 ? <i>(ok)</i>	252.00
1102	CALCIUM CHLORIDE (50#)	240.00	.9400 ? <i>(ok)</i>	225.60
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500 <i>OK</i>	433.75
4454	5 1/2" LATCH DOWN PLUG	1.00	318.2500 <i>OK</i>	318.25
4283	DV TOOL W/ LATCH DOWN	1.00	4042.5000 <i>OK</i>	4042.50
4130	CENTRALIZER 5 1/2"	10.00	61.0000 <i>OK</i>	610.00
4104	CEMENT BASKET 5 1/2"	1.00	336.0000 <i>OK</i>	336.00
4314	RECIPROCATING SCRATCHERS	12.00	82.0000 <i>new</i>	984.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-1941.75
9995-130	CEMENT EQUIPMENT DISCOUNT	-514.82

Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	3175.00 <i>OK</i>	3175.00
399 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25 <i>OK</i>	210.00
460 TON MILEAGE DELIVERY	1.00	881.60 <i>OK</i>	881.60
T-127 TON MILEAGE DELIVERY	1.00	881.60 <i>OK</i>	881.60

Amount Due 26148.20 if paid after 11/30/2013

Parts:	19417.47	Freight:	.00	Tax:	1424.28	AR	23533.38
Labor:	.00	Misc:	.00	Total:	23533.38		
Sublt:	-2456.57	Supplies:	.00	Change:	.00		

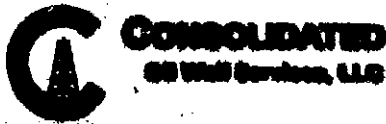
USED FOR

LC 103
[Signature]

Signed

APPROVED

Date



263681

TICKET NUMBER 44346
 LOCATION Oakley KS.
 FOREMAN Damon M. TRAINING
DARREN WALT DINAREZ
KANSAS

PO Box 884, Chanute, KS 66720
 620-431-8210 or 800-467-8678

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-5-13	5406	Gerstburger 1-29	29	17S	36W	WICHITA
CUSTOMER		MURFIN DRUG.		Scott City		WYFORD
MAILING ADDRESS		3490 WEST JONES AVE		15		N 4 1/2
CITY		GARDEN CITY		STATE		Ks.
ZIP CODE		67846		TRUCK #		DRIVER
				399		Tim W
				460		Keith W
				528 FIA		CODY R.

JOB TYPE PROD HOLE SIZE 7 7/8 HOLE DEPTH 4917 CASING SIZE & WEIGHT 5 1/2 15.5*
 CASING DEPTH 4450 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2/125 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 21'
 DISPLACEMENT 105.41/1011 DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: SAFETY MEETING RIG UP ON MURFIN #22 RUN FLOAT EQUIPMENT
SCRATCHERS ON #9, 10, 11 CENT 1, 3, 5, 7, 9, 10, 12, 14, 16, 18
BASKET ON #60 DV. ON JOINT #59 CIRC ON BOTTOM PUMP 500 MUD
FLUSH MIXED 130 SKS OWC W/ KOLSEAL 5" CLEAR PUMP AND LINES
RELEASE PLUG PUMP 60 BAR OF H2O @ 45.41 BAR OF MUD LANDED
PLUG #1250 RELEASE PRESSURE FLOAT HELD OPEN DV TOOL CIRC 1 HR
PUMP 30 SKS CEMENT IN RH, 20 SKS IN MH MIXED 425 SKS 60/40 B70 GEL
4" FLOREAL CLEAN PUMP AND LINES RELEASED PLUG PUMPED 48.14 BAR OF
H2O LANDED PLUG @ 1500* CEMENT DID NOT CIRCULATE

THANK YOU DAMON, DARREN, NATE CREW

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	40	MILEAGE	5.25	210.00
5407A	25.19	TON MILEAGE DELIVERY	1.75	1763.20
1126	130 SKS	OWC	23.70	3081.00
1131	425 SKS	60/40 POZ	15.86	7533.50
1118B	3272#	GEL	.27	883.44
1110A	650#	KOLSEAL	156	364.00
1107	119#	FLOREAL	2.97	353.43
1111A	100#	METASILICATE	2.52	252.00
1102	240#	CALCIUM CHLORIDE	.94	225.60
4159	1	AFU FLOAT SHOE 5 1/2	433.75	433.75
4454	1	5 1/2 LATCHDOWN ASSY.	318.25	318.25
4283	1	5 1/2 DV TOOL	4042.50	4042.50
4130	10	5 1/2 CENTRILIZER (W)	61.00	610.00
4104	1	5 1/2 BASKET (W)	336.00	336.00
4314	12	RECIPROCATING SCRATCHERS	82.00	984.00
SUBTOTAL			24565.67	24565.67
24565.67 - (10% discount)			22109.10	22109.10
22109.10 + 12% SALES TAX			24762.28	24762.28
ESTIMATED TOTAL			23533.38	23533.38

Revin 9737 AUTHORIZATION James Esquivel TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.

Consolidated oil well services

Friday, December 02, 2011
8:15 AM

cement bid for: MURFIN DRLG

Type of job: PRODUCTION 5 1/2" 5100' 800' FILL DV@2450

Lease- SIMONS FARMS-HUNT UNIT 1-14

County- WICHITA

State- KS

Legals-SEC 14-17S-36W

BOTTOM STAGE: 130 SKS OWC,5# KOLSEAL,500 GAL MUD FLUSH

YIELD 1.42 @13.8 PPG

TOP STAGE: 475 SKS 60/40POZ,8%GEL,1/4# FLOSEAL

YIELD 1.89 @12.5 PPG

Pump truck- 3,175.00

40 miles- 210.00

TOTAL= 3,385.00

130 SKS OWC - 3,081.00

475 SKS 60/40- 7,533.50

3272# GEL- 883.44

650# KOLSEAL-364.00

119# FLOSEAL- 353.43

500 GAL MUD

FLUSH - 500.00

25.19- TON

MILEAGE- 1,763.60

TOTAL= 14,478.97

FLOAT EQUIPMENT 5 1/2"

1-AFU FLOAT SHOE- 433.75

1-LATCH DOWN ASSY-318.25

10-CENTRALIZERS - 610.00

1-BASKET - 336.00

1-DV TOOL - 4,042.50

TOTAL= 5,740.50

PUMPTRUCK-3,385.00

MATERIAL- 14,478.97

FLOAT EQUIPMENT- 5,740.50

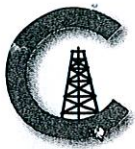
SUB TOTAL- 23,604.47

LESS 10% - 2,360.45

TOTAL= 21,244.02

TAX INCLUDED AT INVOICING

BID BY: WALT DINKEL



CONSOLIDATED
Oil Well Services, LLC

Acctg -
cc: Liz
cc: WF

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

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

INVOICE

Invoice # 263682

Invoice Date: 10/31/2013 Terms: 10/10/30,n/30

Page 1

MURFIN DRILLING
3490 WEST JONES AVENUE
GARDEN CITY KS 67846
() -

GERSTBERGER 1-29
44382
29-17S-36W
10-22-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	50.00	18.5500	927.50
1131	60/40 POZ MIX	100.00	15.8600	1586.00
1102	CALCIUM CHLORIDE (50#)	141.00	.9400	132.54
1118B	PREMIUM GEL / BENTONITE	3188.00	.2700	860.76
1107	FLO-SEAL (25#)	25.00	2.9700	74.25

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-358.11
9995-130	CEMENT EQUIPMENT DISCOUNT	-207.42

Description	Hours	Unit Price	Total
463 CEMENT PUMP	1.00	1395.00	1395.00
463 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
466 TON MILEAGE DELIVERY	1.00	234.60	234.60
693 TON MILEAGE DELIVERY	1.00	234.60	234.60

USED FOR IC 103
APPROVED [Signature]

Amount Due 5947.10 if paid after 11/30/2013

Parts:	3581.05	Freight:	.00	Tax:	262.66	AR	5352.38
Labor:	.00	Misc:	.00	Total:	5352.38		
Sublt:	-565.53	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



26-3682

TICKET NUMBER 44382
 LOCATION Oakley P.
 FOREMAN Darren + Fuzzy

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/22/13	5406	Gerstberger 1-29	29	17S	36 W	Wichita
CUSTOMER Murfin Drlg.			Ks.			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			463	Cory		
STATE			466	Cody		
ZIP CODE			693	Jermy R.		

JOB TYPE Squeeze HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5/2 15.5
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER Perfs 630'
 SLURRY WEIGHT 12.5, 152 SLURRY VOL 1.9, 1.18 WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT 15.0 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting Rig up on Concord mix 50 SKs Gel + 50 Bbl Supply
By Customer - mix 100 SKs 6% 8% Gel 1/4 Floseal + mix 50 SKs Class A Cement
with 3% CC Displace with 14.0 bbl water Shut in & Wash up Pump
+ Lines 400'
Cement Did Circulate to Surface

Approx 40 SKs To Pit

Thanks Darren + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1395.00	1395.00
5406	40	MILEAGE	5.25	210.00
5407A	6.7	Ton mileage Delivery	1.25	469.25
1104 S	50 SKs	Class A Cement	18.55	927.50
1131	100 SKs	6% Poz mix	15.86	1586.00
1102	141	Calcium Chloride	.94	132.54
1118 B	3188	Bentonite	.27	860.76
1107	25	Floseal	2.92	74.25
			SubTotal	5655.25
			Less 10%	565.53
			SubTotal	5089.72
			SALES TAX 8.15%	262.16
			ESTIMATED TOTAL	5352.38

completed

Rev'n 3737
 AUTHORIZATION James Equivel TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



CONSOLIDATED
Oil Well Services, LLC

Accts —

cc: Lin

cc: W F

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

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

INVOICE

Invoice # 263683

Invoice Date: 10/31/2013 Terms: 10/10/30,n/30

Page 1

MURFIN DRILLING
3490 WEST JONES AVENUE
GARDEN CITY KS 67846
() -

GERSTBERGER 1-29
44364
29-17S-36W
10-25-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	50.00	18.5500	927.50
Sublet Performed				
9996-130	CEMENT MATERIAL DISCOUNT			-92.75
9995-130	CEMENT EQUIPMENT DISCOUNT			-218.50

Description	Hours	Unit Price	Total
T-118 CEMENT PUMP	1.00	1395.00	1395.00
T-118 EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00
566 MIN. BULK DELIVERY	1.00	430.00	430.00
566 SQUEEZE MANIFOLD	1.00	150.00	150.00

USED FOR IC 103
APPROVED [Signature]

Amount Due 3188.09 if paid after 11/30/2013

Parts:	927.50	Freight:	.00	Tax:	68.03	AR	2869.28
Labor:	.00	Misc:	.00	Total:	2869.28		
Sublt:	-311.25	Supplies:	.00	Change:	.00		

Signed _____

Date _____



CONSOLIDATED
Oil Well Services, LLC

263683

TICKET NUMBER 44364

LOCATION Oakley, KS

FOREMAN Mike Shaw

Fuzzy McCuller

KS

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-9676

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-25-13	5426	Gerstberger -29	29	178	36W	Wichita
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address Martin Drilling 3490 West Jones Avenue Golden City, KS 67846			53071P	Ben R		
City			916	Jeremy S. Harris		

JOB TYPE Squeeze HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 7/8"
 CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8" OTHER Rich 0.517'
 SLURRY WEIGHT 14.8 SLURRY VOL 136 WATER gal/sk _____ CEMENT LEFT IN CASING _____
 DISPLACEMENT 2 3/4 bbls DISPLACEMENT PSI _____ MIX PSI 1100 psi RATE _____

REMARKS: Safety meeting and rig up on Con Load well Service Pressure up
500 psi on back side. Injection rate @ 1 1/2 bbls/min @ 600 psi. mix 50 sacks
Common class A cement up to 3 1/2 sections shut down cleared/pumped lines.
Displace 2 3/4 bbls water to clear packer @ 600 psi. Staged on cement 2' below seaward
@ 1000 psi. Reversed out clean pulled 2 stands of joints pressured up 500 psi. Shut in

Packer @ 517'
Reacts @ 630' Then 4s Mike & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1395. ⁰⁰	1395. ⁰⁰ ✓
5406	40	MILEAGE	5.25	210. ⁰⁰ ✓
5407	2.35 Tons	Ton mileage delivery min	430. ⁰⁰	430. ⁰⁰ ✓
11045	50 sacks	Class A cement	18.55	927.50 ✓
56013	1	Squeeze pump field	150. ⁰⁰	150. ⁰⁰ ✓
			Sub	3112.50 ✓
			less 10% discount	311.25 ✓
			Subtotal	2801.25 ✓
			8.15	SALES TAX
				ESTIMATED
				TOTAL

completed

RevIn 3737 AUTHORIZATION James Esquirel TITLE _____ DATE _____

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Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.