



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1102949
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: _____



1102949

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> _____
---	--

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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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 05, 2012

Leon Rodak
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO1
API 15-171-20904-00-00
Edwards 1-17
NE/4 Sec.17-16S-32W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Leon Rodak

MDCI Edwards #1-17 660' FNL 1850' FEL Sec. 17-T16S-R32W 3013' KB							MDCI Schowalter #1-17 1980' FNL 1400' FWL Sec. 17-T16S-R32W 3013' KB	
Formation	sample tops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2398	+614	-43	2352	+661	+4	2356	+657
B/Anhydrite	2418	+594	-1	2417	+596	+1	2418	+595
Topeka	3731	-719	-2	3729	-716	+1	3730	-717
Heebner	3964	-952	-3	3962	-949	+0	3962	-949
Lansing	4005	-993	-3	4002	-989	+1	4003	-990
Stark	4271	-1258	+2	4267	-1254	+6	4273	-1260
Pawnee	4490	-1477	-4	4488	-1475	-2	4486	-1473
Fort Scott	4533	-1520	-4	4531	-1518	-2	4529	-1516
Cherokee	4560	-1547	-6	4657	-1544	-3	4554	-1541
Johnson	4600	-1587	-7	4597	-1584	-4	4593	-1580
Mississippi	4684	-1671	-13	4681	-1668	-10	4671	-1658
RTD	4785						4770	
LTD				4784			4772	

Geologists Report
Drilling Time and Sample Log

OPERATOR: Murfin Drilling Co., Inc
LEASE: Edwards
WELL NO: #1-17
ELEVATION: KB 3013'

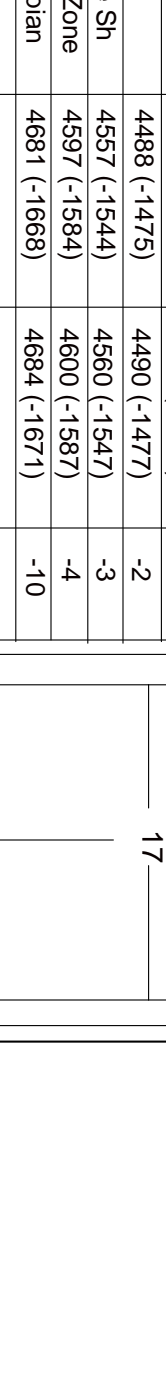
FIELD: Wildcat
LOCATION: 660' FNL & 1850' FEL
SEC: 17
COUNTY: Scott
TWP: 16S
RGE: 32W
STATE: Kansas

CONTRACTOR: Murfin Dig Co
LOG NO: 4785
LOG TD: 4784
LOG TO: 4785

CEOLOGICAL SUPERVISION FROM: TO4785
MUD UP: 3200
TYPE MUD: Chemical

FORMATION	LOG TOP DATUM	SAMPLE TOP DATUM	STRUCT COMP
Anythite	2362 (+661)	2365 (+668)	+4
B/Anythite	2417 (+596)	2418 (+594)	+1
Topeka	3729 (-716)	3731 (-718)	+1
Healdene Sh	3962 (-949)	3964 (-951)	Flat
Lansing	4002 (-989)	4005 (-992)	+3
Murde Creek	4172 (-1159)	4174 (-1161)	+6
Stark Sh	4267 (-1254)	4271 (-1258)	-1
Marmaton	4387 (-1374)	4388 (-1375)	-2
Pawnee	4489 (-1475)	4490 (-1477)	-2
Cherokee Sh	4557 (-1544)	4560 (-1547)	-3
Johnson Zone	4597 (-1584)	4600 (-1587)	-4
Mississippi	4681 (-1668)	4684 (-1671)	-10

ELECTRICAL SURVEYS
Pioneer Energy Services
DIL
DUCP
BHCS

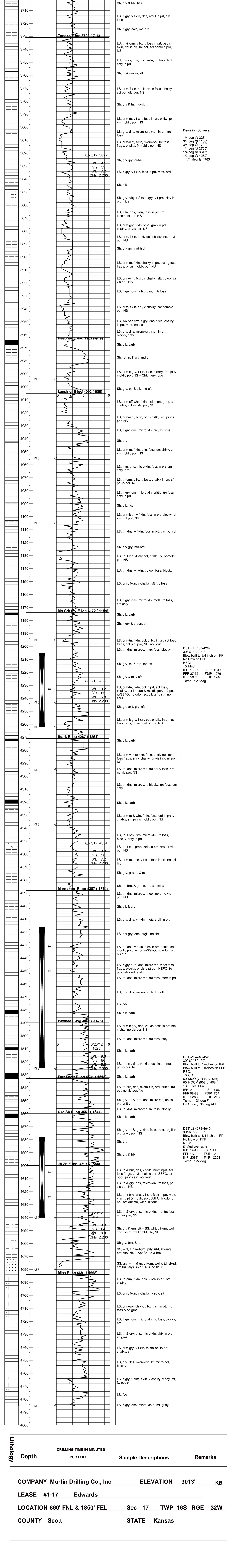
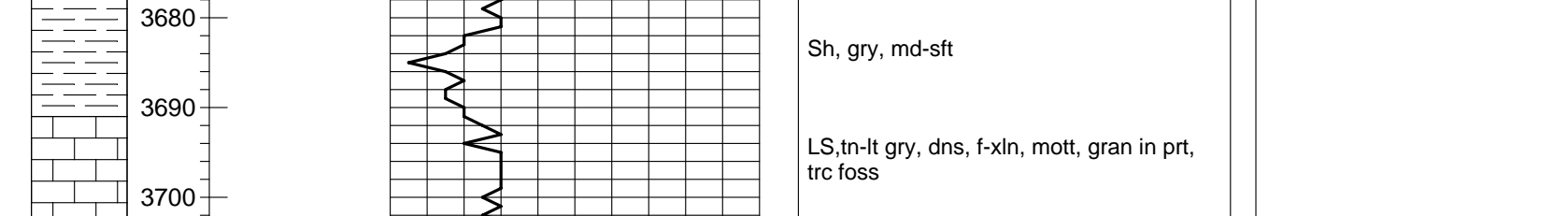


REFERENCE WELL FOR STRUCTURAL COMPARISON: Murfin Dig Co #1-17 Schowalter
1980' FNL & 1400' FWL sec. 17-16S-32W, Logan Co, KS

Daily Progress	NO Size	Make	Type	Depth Out	Feet	Hours
8/22/12 Spud	1 1/2	1 1/4 GMS	RR	226	226	1
8/23/12 604	2	7 7/8" Smith	M1606	3617	3391	43
8/24/12 2673	3	7 7/8" Smith	F27V1	3670	4785	1688
8/25/12						72
8/26/12						
8/27/12						
8/28/12						
8/29/12						
8/30/12						

Remarks And Recommendations:
Based upon log analysis, DST recovery, and sample examination, it was decided to plug and abandon the #1-17 Edwards.
Thomas Funk
Petroleum Geologist

LEGEND



COMPANY: Murfin Drilling Co., Inc
ELEVATION: 3013' KB
LEASE: #1-17 Edwards
LOCATION: 660' FNL & 1850' FEL
Sec 17 TWP 16S RGE 32W
COUNTY: Scott STATE: Kansas



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N Water STE 300
Wichita KS 67202 - 1216

ATTN: Tom Funk

Edwards #1-17

17-16s-32w Scott,KS

Start Date: 2012.08.26 @ 21:40:00

End Date: 2012.08.27 @ 04:46:45

Job Ticket #: 48881 DST #: 1

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

Printed: 2012.09.07 @ 10:27:01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

17-16s-32w Scott, KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48881

DST#: 1

ATTN: Tom Funk

Test Start: 2012.08.26 @ 21:40:00

GENERAL INFORMATION:

Formation: **Kansas City " I - J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:01:45
 Tester: Jace McKinney
 Time Test Ended: 04:46:45
 Unit No: 46
 Interval: **4205.00 ft (KB) To 4262.00 ft (KB) (TVD)**
 Reference Elevations: 3013.00 ft (KB)
 Total Depth: 4262.00 ft (KB) (TVD)
 3001.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 12.00 ft

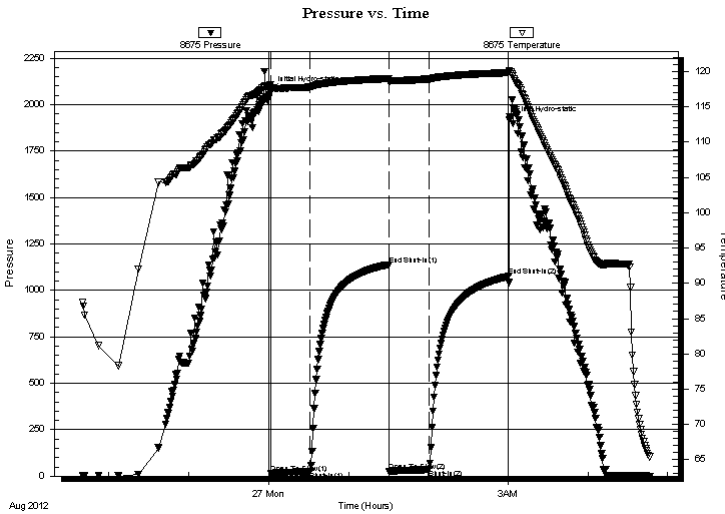
Serial #: 8675

Inside

Press @ Run Depth: 35.25 psig @ 4206.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.26 End Date: 2012.08.27 Last Calib.: 2012.08.27
 Start Time: 21:40:15 End Time: 04:46:45 Time On Btm: 2012.08.27 @ 00:01:30
 Time Off Btm: 2012.08.27 @ 03:00:45

TEST COMMENT: Built to 3/4", Died to 1/2" blow
 No return blow
 No blow
 No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2073.91	118.16	Initial Hydro-static
1	15.45	117.07	Open To Flow (1)
30	24.16	117.82	Shut-In(1)
89	1138.61	119.03	End Shut-In(1)
90	26.58	118.50	Open To Flow (2)
119	35.25	118.92	Shut-In(2)
179	1076.22	119.85	End Shut-In(2)
180	1915.90	120.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.05

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

17-16s-32w Scott, KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48881 **DST#: 1**

ATTN: Tom Funk

Test Start: 2012.08.26 @ 21:40:00

GENERAL INFORMATION:

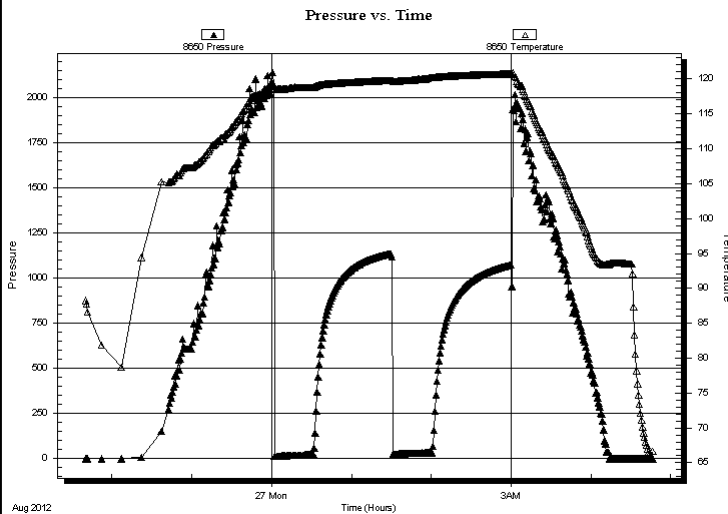
Formation: **Kansas City " I - J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:01:45
 Tester: Jace McKinney
 Time Test Ended: 04:46:45
 Unit No: 46
 Interval: **4205.00 ft (KB) To 4262.00 ft (KB) (TVD)**
 Reference Elevations: 3013.00 ft (KB)
 Total Depth: 4262.00 ft (KB) (TVD)
 3001.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 12.00 ft

Serial #: 8650

Outside

Press @ Run Depth: psig @ 4206.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.08.26	End Date: 2012.08.27
Start Time: 21:40:15	End Time: 04:46:30
	Last Calib.: 2012.08.27
	Time On Btm:
	Time Off Btm:

TEST COMMENT: Built to 3/4", Died to 1/2" blow
 No return blow
 No blow
 No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

17-16s-32w Scott,KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48881

DST#: 1

ATTN: Tom Funk

Test Start: 2012.08.26 @ 21:40:00

Tool Information

Drill Pipe:	Length: 3924.00 ft	Diameter: 3.80 inches	Volume: 55.04 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: 30000.00 lb
Drill Collar:	Length: 266.46 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 56.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.46 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4205.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	77.00 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			4186.00	
Shut In Tool	5.00			4191.00	
Hydraulic tool	5.00			4196.00	
Packer	5.00			4201.00	20.00 Bottom Of Top Packer
Packer	4.00			4205.00	
Stubb	1.00			4206.00	
Recorder	0.00	8675	Inside	4206.00	
Recorder	0.00	8650	Outside	4206.00	
Perforations	20.00			4226.00	
Change Over Sub	1.00			4227.00	
Drill Pipe	31.00			4258.00	
Change Over Sub	1.00			4259.00	
Bullnose	3.00			4262.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

17-16s-32w Scott,KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48881

DST#: 1

ATTN: Tom Funk

Test Start: 2012.08.26 @ 21:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud	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:

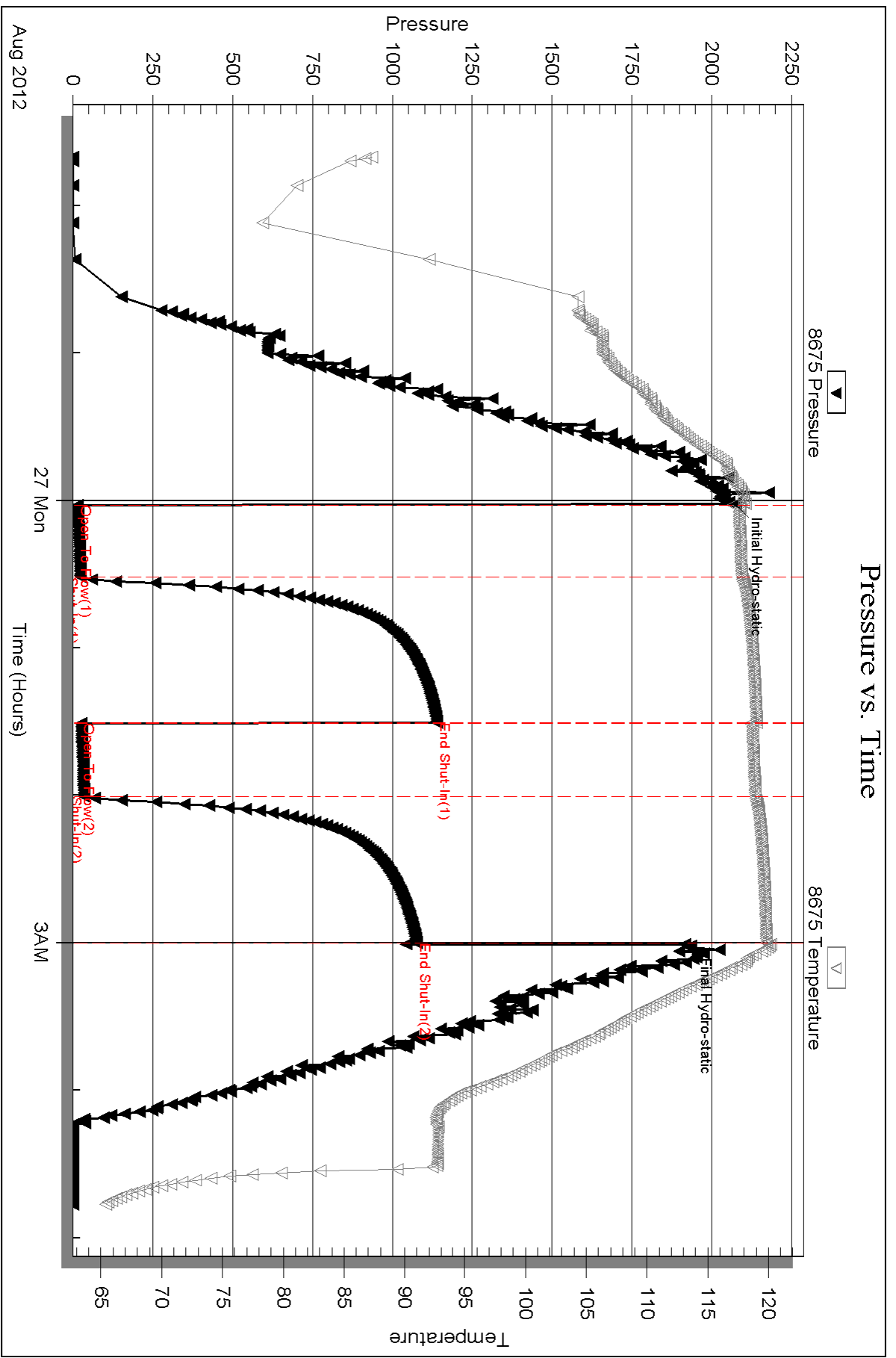
Serial #: 8675

Inside

Murfin Drilling Company Inc.

Edwards #1-17

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48881

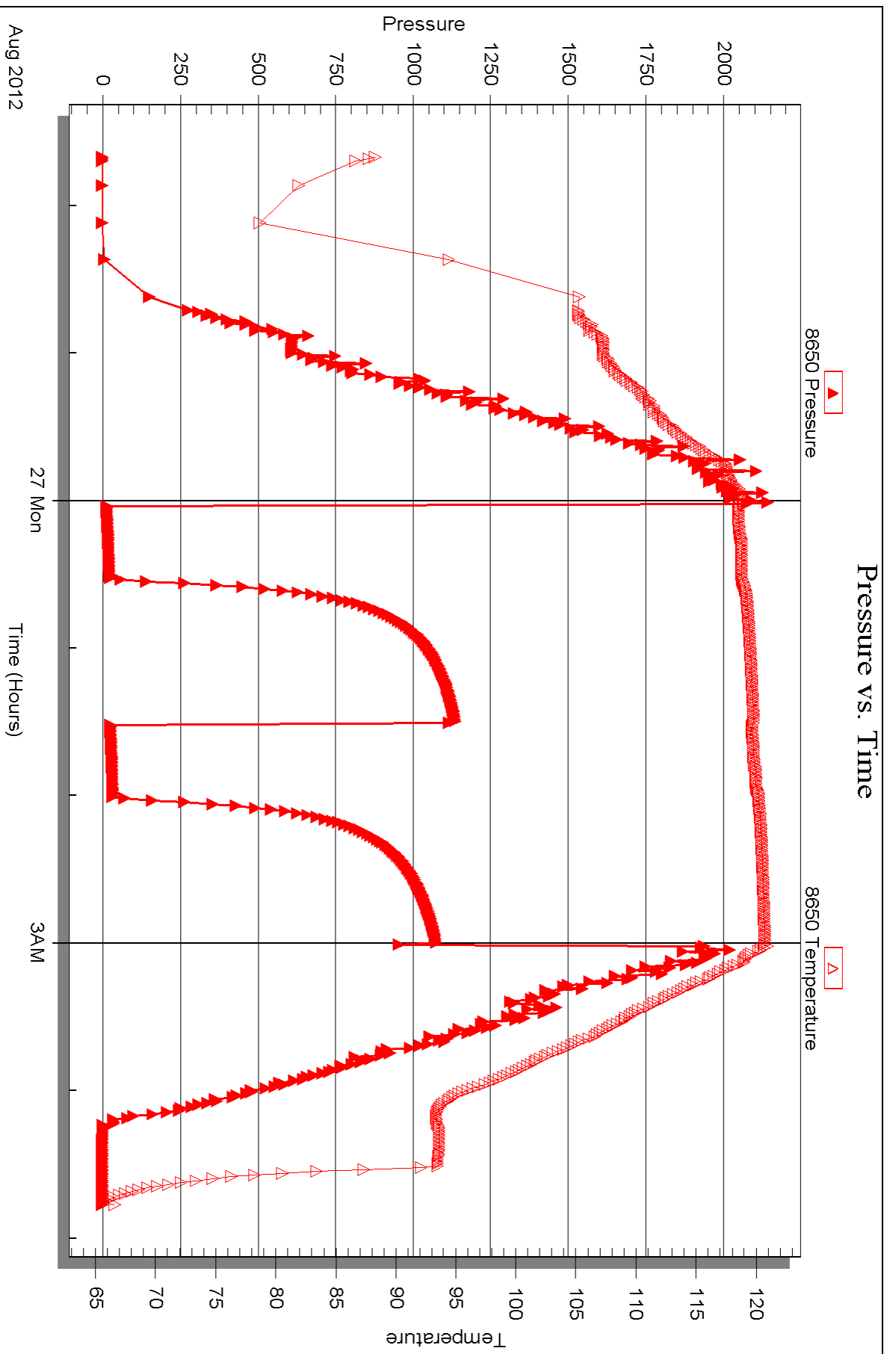
Printed: 2012.09.07 @ 10:27:06

Serial #: 8650

Outside Murfin Drilling Company Inc.

Edwards #1-17

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48881

Printed: 2012.09.07 @ 10:27:06



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N Water STE 300
Wichita KS 67202 - 1216

ATTN: Tom Funk

Edwards #1-17

17-16s-32w Scott,KS

Start Date: 2012.08.28 @ 07:05:00

End Date: 2012.08.28 @ 15:30:45

Job Ticket #: 48882 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.07 @ 10:26:16

Murfin Drilling Company Inc.

17-16s-32w Scott,KS

Edwards #1-17

DST # 2

Altamont B - Pawnee

2012.08.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

17-16s-32w Scott, KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48882

DST#: 2

ATTN: Tom Funk

Test Start: 2012.08.28 @ 07:05:00

GENERAL INFORMATION:

Formation: **Altamont B - Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:18:15

Time Test Ended: 15:30:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4416.00 ft (KB) To 4525.00 ft (KB) (TVD)

Reference Elevations: 3013.00 ft (KB)

Total Depth: 4525.00 ft (KB) (TVD)

3001.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 83.48 psig @ 4417.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.28

End Date:

2012.08.28

Last Calib.:

2012.08.28

Start Time: 07:05:15

End Time:

15:30:45

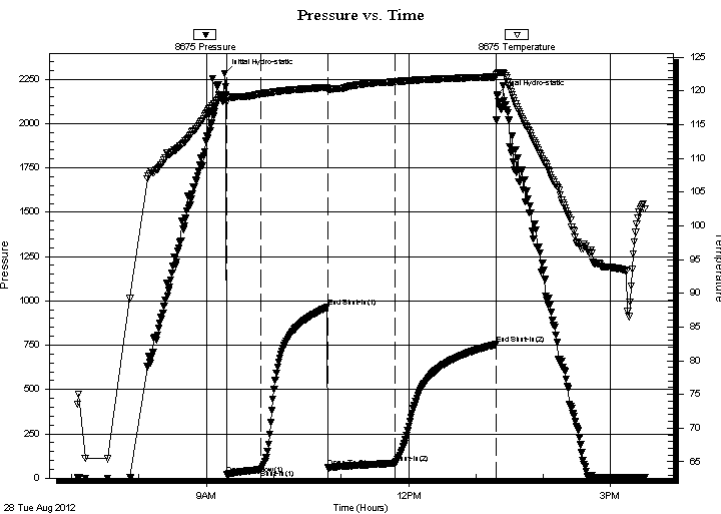
Time On Btm:

2012.08.28 @ 09:16:15

Time Off Btm:

2012.08.28 @ 13:19:00

TEST COMMENT: Built to 4" blow
No return blow
Built to 2" blow
No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.39	119.34	Initial Hydro-static
2	21.87	118.26	Open To Flow (1)
32	48.76	119.58	Shut-In(1)
92	965.99	120.55	End Shut-In(1)
92	58.33	120.13	Open To Flow (2)
152	83.48	121.35	Shut-In(2)
242	754.33	122.09	End Shut-In(2)
243	2162.88	122.62	Final Hydro-static

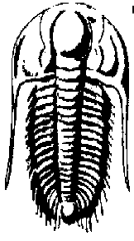
Recovery

Length (ft)	Description	Volume (bbl)
60.00	mco 50%M 50%O	0.30
60.00	mco 30%M 70%O	0.30
10.00	clean oil 100%O	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

17-16s-32w Scott,KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48882

DST#: 2

ATTN: Tom Funk

Test Start: 2012.08.28 @ 07:05:00

GENERAL INFORMATION:

Formation: **Altamont B - Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:18:15

Time Test Ended: 15:30:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4416.00 ft (KB) To 4525.00 ft (KB) (TVD)

Reference Elevations: 3013.00 ft (KB)

Total Depth: 4525.00 ft (KB) (TVD)

3001.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8650 Outside

Press @ Run Depth: psig @ 4417.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.28

End Date: 2012.08.28

Last Calib.: 2012.08.28

Start Time: 07:05:15

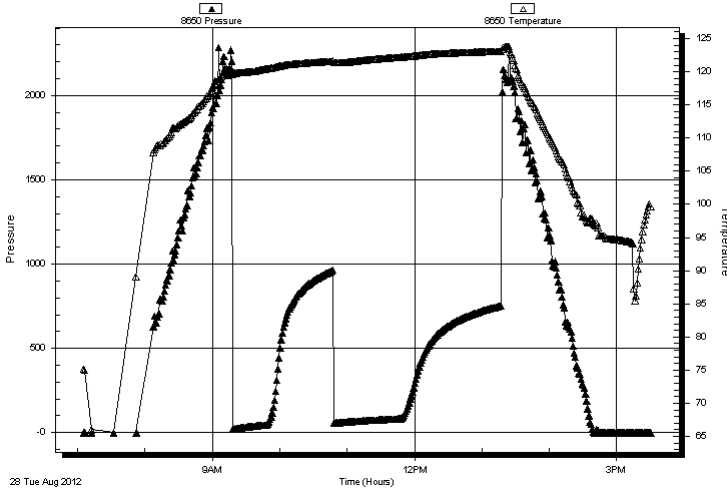
End Time: 15:30:45

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 4" blow
No return blow
Built to 2" blow
No return blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mco 50%M 50%O	0.30
60.00	mco 30%M 70%O	0.30
10.00	clean oil 100%O	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company Inc.

17-16s-32w Scott,KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48882

DST#: 2

ATTN: Tom Funk

Test Start: 2012.08.28 @ 07:05:00

Tool Information

Drill Pipe:	Length: 4144.13 ft	Diameter: 3.80 inches	Volume: 58.13 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: 30000.00 lb
Drill Collar:	Length: 266.46 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 59.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.59 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4416.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	109.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			4397.00	
Shut In Tool	5.00			4402.00	
Hydraulic tool	5.00			4407.00	
Packer	5.00			4412.00	20.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	8675	Inside	4417.00	
Recorder	0.00	8650	Outside	4417.00	
Perforations	5.00			4422.00	
Change Over Sub	1.00			4423.00	
Drill Pipe	93.00			4516.00	
Change Over Sub	1.00			4517.00	
Bullnose	8.00			4525.00	109.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

17-16s-32w Scott,KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48882

DST#: 2

ATTN: Tom Funk

Test Start: 2012.08.28 @ 07:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	mco 50%M 50%O	0.295
60.00	mco 30%M 70%O	0.295
10.00	clean oil 100%O	0.049

Total Length: 130.00 ft Total Volume: 0.639 bbl

Num Fluid Samples: 0

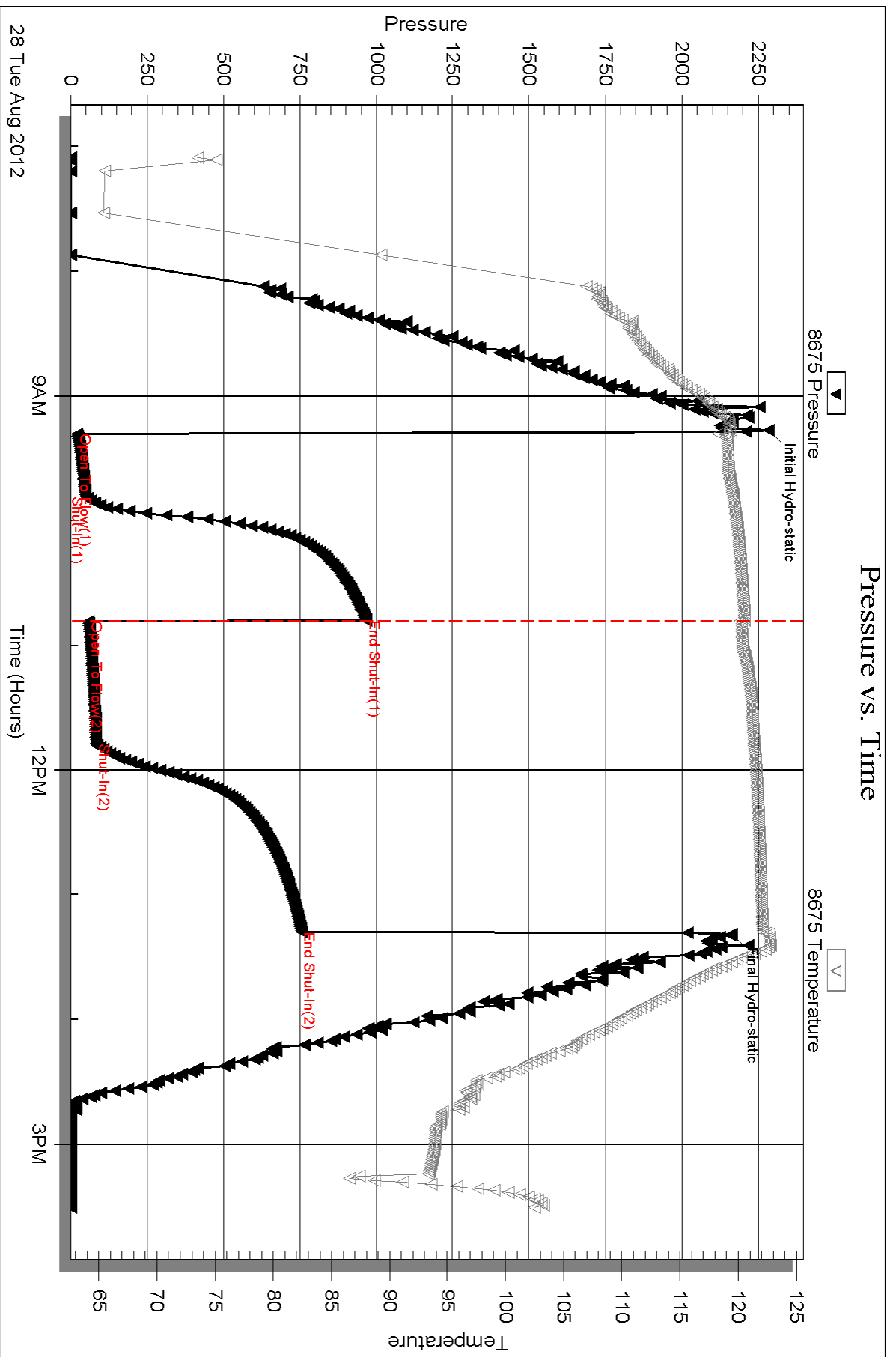
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 32 @ 80 F = 30

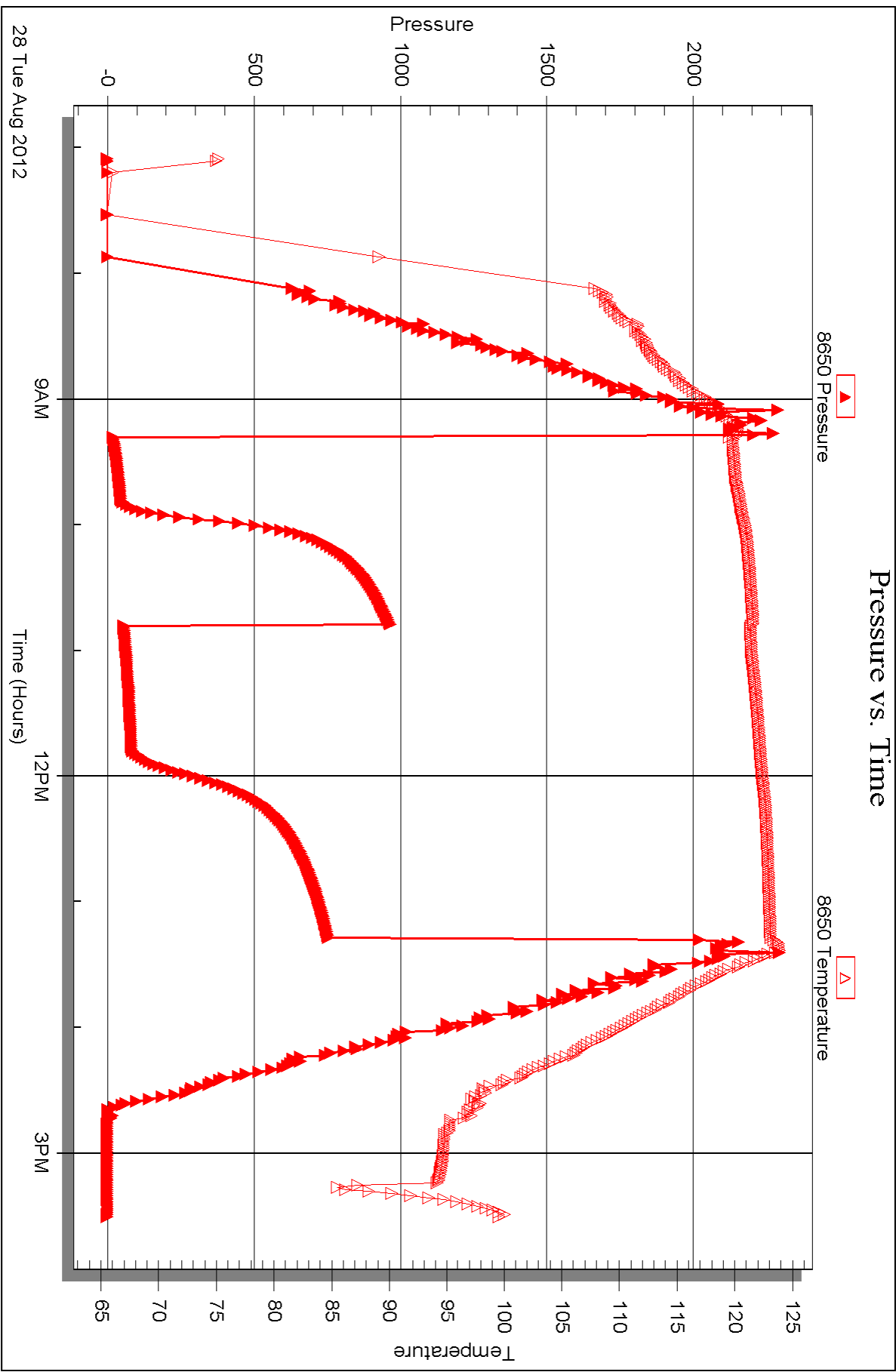


Serial #: 8650

Outside Murfin Drilling Company Inc.

Edwards #1-17

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc.**

250 N Water STE 300
Wichita KS 67202 - 1216

ATTN: Tom Funk

Edwards #1-17

17-16s-32w Scott,KS

Start Date: 2012.08.29 @ 08:50:00

End Date: 2012.08.29 @ 16:10:30

Job Ticket #: 48883 DST #: 3

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

Printed: 2012.09.07 @ 10:24:56



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

17-16s-32w Scott, KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48883

DST#: 3

ATTN: Tom Funk

Test Start: 2012.08.29 @ 08:50:00

GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:09:00

Time Test Ended: 16:10:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4578.00 ft (KB) To 4640.00 ft (KB) (TVD)

Reference Elevations: 3013.00 ft (KB)

Total Depth: 4640.00 ft (KB) (TVD)

3001.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 17.63 psig @ 4579.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.29

End Date: 2012.08.29

Last Calib.: 2012.08.29

Start Time: 08:50:15

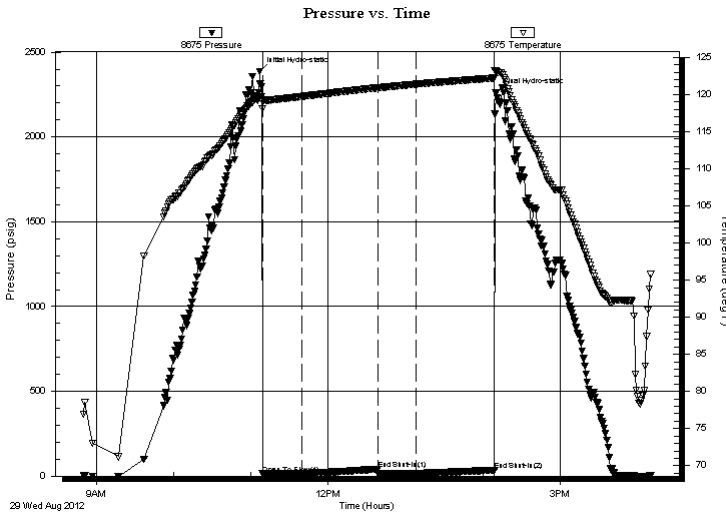
End Time: 16:10:30

Time On Btm: 2012.08.29 @ 11:06:45

Time Off Btm: 2012.08.29 @ 14:10:00

TEST COMMENT: Built to 1/4" blow
No return blow
No blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2386.79	119.59	Initial Hydro-static
3	13.75	118.10	Open To Flow (1)
33	16.91	119.72	Shut-In(1)
92	41.45	120.90	End Shut-In(1)
93	16.22	120.89	Open To Flow (2)
122	17.63	121.38	Shut-In(2)
183	35.50	122.21	End Shut-In(2)
184	2261.80	123.14	Final Hydro-static

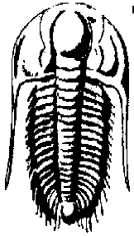
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud with oil spots	0.02

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

17-16s-32w Scott, KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

ATTN: Tom Funk

Job Ticket: 48883

DST#: 3

Test Start: 2012.08.29 @ 08:50:00

GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:09:00

Time Test Ended: 16:10:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4578.00 ft (KB) To 4640.00 ft (KB) (TVD)

Total Depth: 4640.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3013.00 ft (KB)

3001.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8650 Outside

Press @ Run Depth: psig @ 4579.00 ft (KB)

Start Date: 2012.08.29

End Date:

2012.08.29

Start Time: 08:50:15

End Time:

16:10:30

Capacity: 8000.00 psig

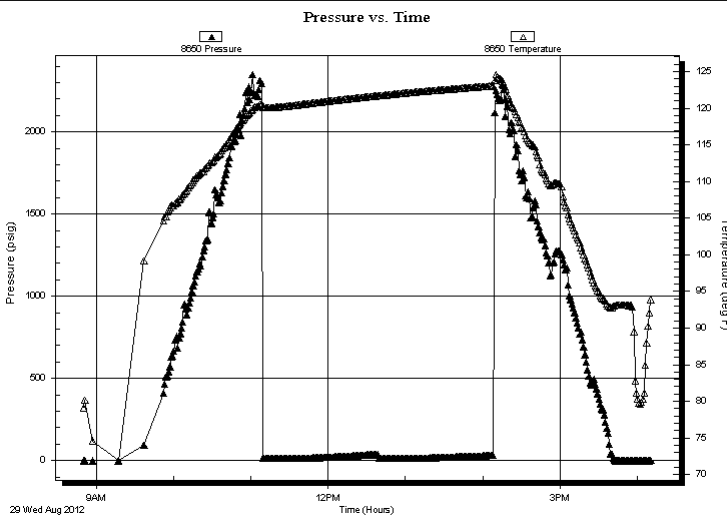
Last Calib.:

2012.08.29

Time On Btm:

Time Off Btm:

TEST COMMENT: Built to 1/4" blow
No return blow
No blow
No return blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud w ith oil spots	0.02

* 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 Inc.

17-16s-32w Scott,KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48883

DST#: 3

ATTN: Tom Funk

Test Start: 2012.08.29 @ 08:50:00

Tool Information

Drill Pipe:	Length: 4301.48 ft	Diameter: 3.80 inches	Volume: 60.34 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: 25000.00 lb
Drill Collar:	Length: 266.46 ft	Diameter: 2.25 inches	Volume: 1.31 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 61.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.94 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4578.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 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			4559.00	
Shut In Tool	5.00			4564.00	
Hydraulic tool	5.00			4569.00	
Packer	5.00			4574.00	20.00 Bottom Of Top Packer
Packer	4.00			4578.00	
Stubb	1.00			4579.00	
Recorder	0.00	8675	Inside	4579.00	
Recorder	0.00	8650	Outside	4579.00	
Perforations	24.00			4603.00	
Change Over Sub	1.00			4604.00	
Drill Pipe	32.00			4636.00	
Change Over Sub	1.00			4637.00	
Bullnose	3.00			4640.00	62.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

17-16s-32w Scott, KS

250 N Water STE 300
Wichita KS 67202 - 1216

Edwards #1-17

Job Ticket: 48883

DST#: 3

ATTN: Tom Funk

Test Start: 2012.08.29 @ 08:50:00

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: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud with oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

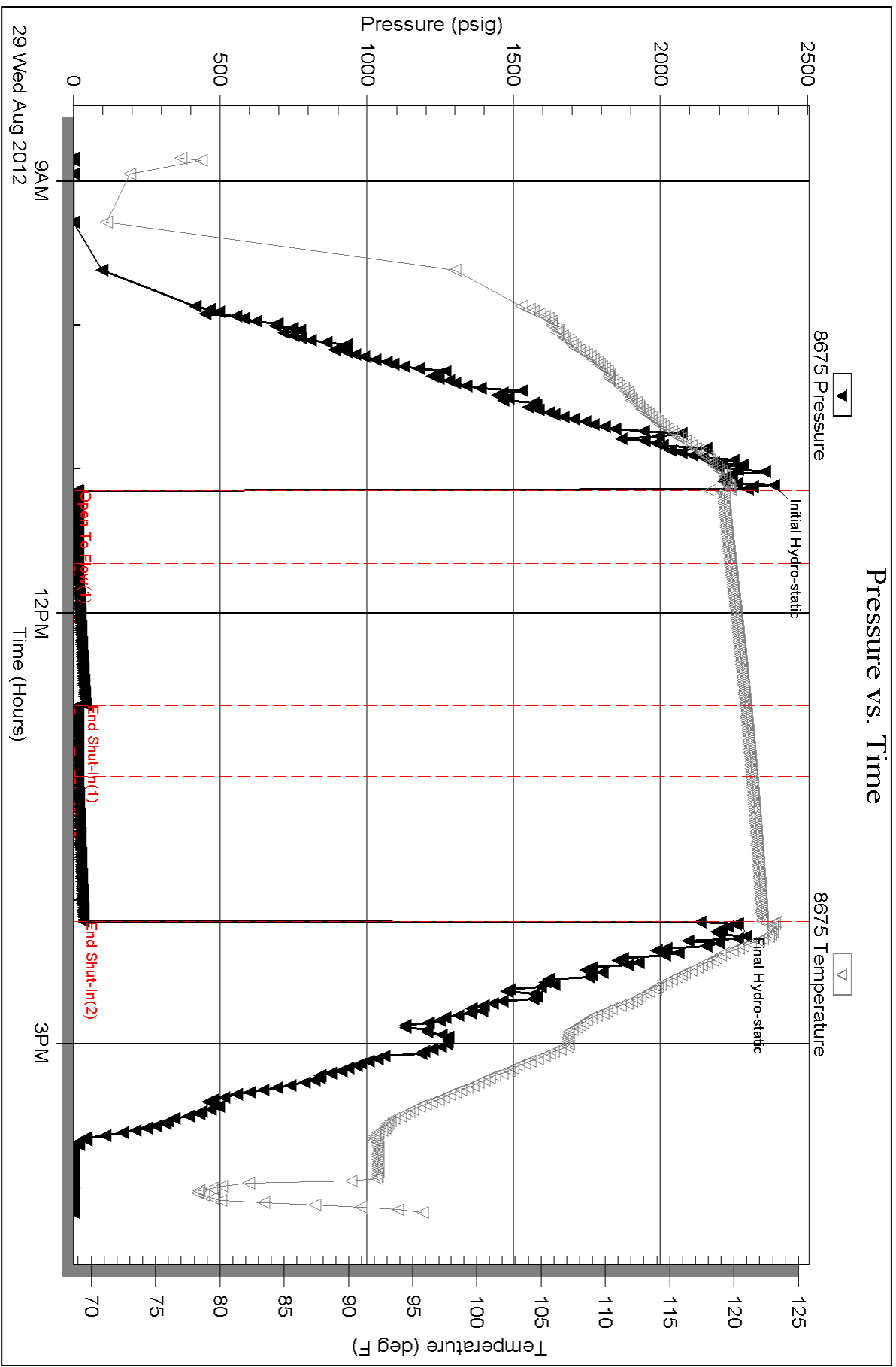
Serial #: 8675

Inside

Murfin Drilling Company Inc.

Edwards #1-17

DST Test Number: 3

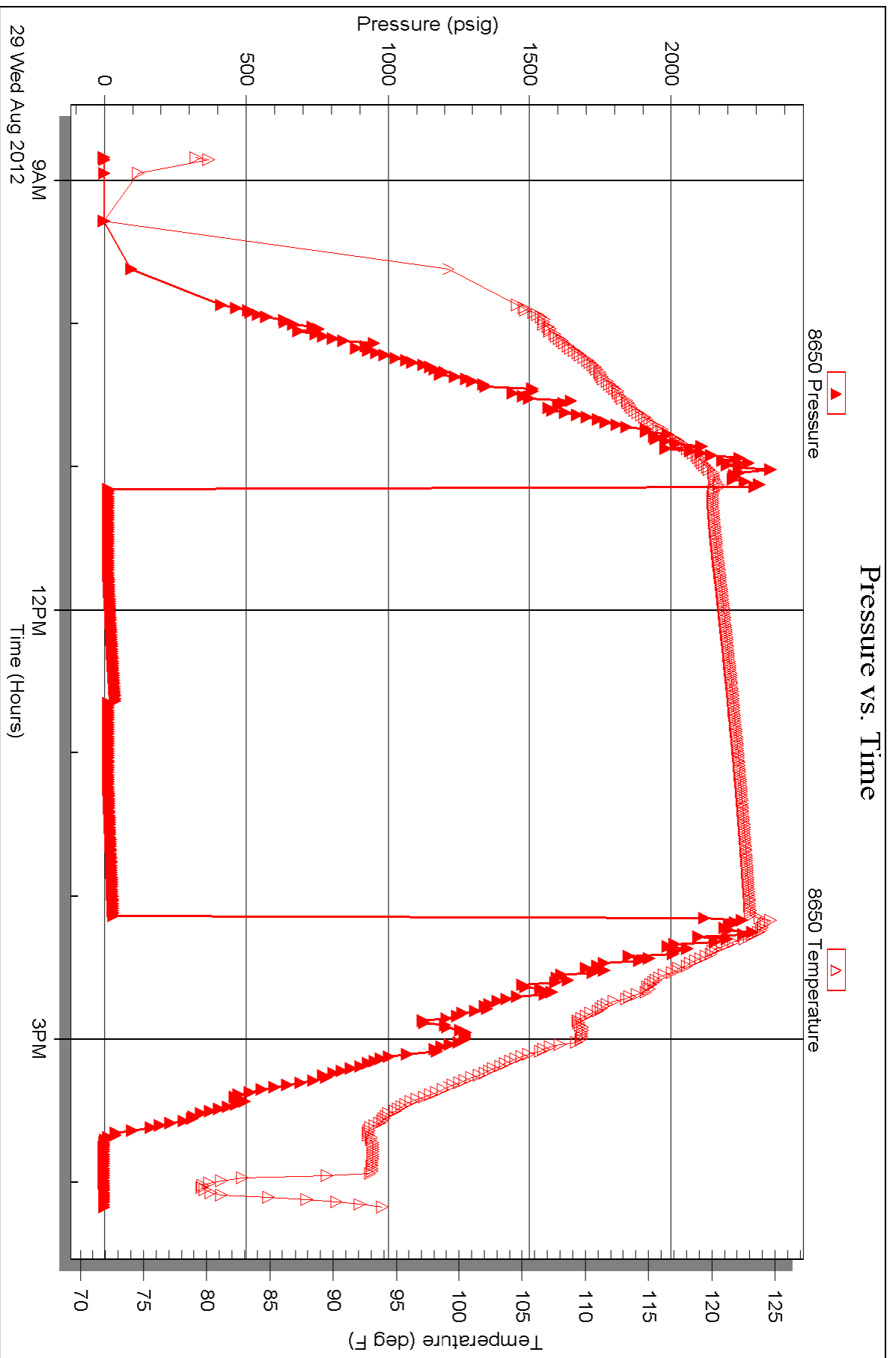


Serial #: 8650

Outside Murfin Drilling Company Inc.

Edwards #1-17

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 48883

Printed: 2012.09.07 @ 10:25:00



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48881

Well Name & No. Edwards #1-17 Test No. 1 Date 8/26/12 8/27/12
 Company Martin Drilling Company Inc. Elevation 3013 KB 3001 GL
 Address 250 W Water STE 300 Wichita KS 67202-1216
 Co. Rep / Geo. Tom Funk Rig Martin 21
 Location: Sec. 17 Twp. 16S Rge. 32W Co. Scott State KS

Interval Tested 4205 - 4262 Zone Tested Kansas City "I-5"
 Anchor Length 57 Drill Pipe Run 3924 Mud Wt. 9.2
 Top Packer Depth 4201 Drill Collars Run 266.46 Vis 65
 Bottom Packer Depth 4205 Wt. Pipe Run _____ WL 6.8
 Total Depth 4262 Chlorides 2,200 ppm System LCM 5
 Blow Description Built to 3/4", Dird to 1/2" below
No return below
No below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>			<u>100</u>	

Rec Total 10 BHT 120 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2,074 Test 1250 T-On Location 20:50
 (B) First Initial Flow 15 Jars _____ T-Started 21:40
 (C) First Final Flow 24 Safety Joint _____ T-Open 00:01
 (D) Initial Shut-In 1,139 Circ Sub n/c T-Pulled 3:01
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 4:47
 (F) Second Final Flow 36 Mileage 34 RT 52.70 Comments _____
 (G) Final Shut-In 1,076 Sampler _____
 (H) Final Hydrostatic ~~2121~~ Straddle _____
1,916 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 60 Sub Total 0
 Sub Total 1302.70 Total 1302.70
 MP/DST Disc't _____

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48882

Well Name & No. Edwards #1-12 Test No. 2 Date 8/28/12
 Company Martin Drilling Company Inc Elevation 3013 KB 3001 GL
 Address 250 N Water STE 300 Wichita KS 67202-1216
 Co. Rep / Geo. Tom Funk Rig Martin 21
 Location: Sec. 17 Twp. 16S Rge. 32W Co. Scott State KS

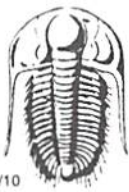
Interval Tested 4416 - 4525 Zone Tested Altamont "B" - Pawnee
 Anchor Length 109 Drill Pipe Run 4144.13 Mud Wt. 9.3
 Top Packer Depth 4412 Drill Collars Run 266.46 Vis 58
 Bottom Packer Depth 4416 Wt. Pipe Run _____ WL 7.2
 Total Depth 4525 Chlorides 2,200 ppm System LCM 5.0
 Blow Description Built to 4" below
No return below
Built to 2" below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Clean oil</u>	<u>100</u>			
<u>60</u>	<u>mco</u>	<u>70</u>		<u>30</u>	
<u>60</u>	<u>mco</u>	<u>50</u>		<u>50</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 130 BHT 121 Gravity 30 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2,283 Test 1250 T-On Location 6:30
 (B) First Initial Flow 22 Jars T-Started 7:05
 (C) First Final Flow 49 Safety Joint T-Open 9:18
 (D) Initial Shut-In 966 Circ Sub N/C T-Pulled 13:18
 (E) Second Initial Flow 58 Hourly Standby 3 1/2 hours T-Out 15:30
 (F) Second Final Flow 83 Mileage 34RT 52.70 Comments _____
 (G) Final Shut-In 754 Sampler _____
 (H) Final Hydrostatic 2,163 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 58.33+320
 Initial Shut-In 60 Day Standby 1d 1.75hrs Total 1681.03
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 90 Sub Total 1302.70

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48883

Well Name & No. Edwards # 1-17 Test No. 3 Date 8/29/12
 Company Martin Drilling Company Inc Elevation 3013 KB 3001 GL
 Address 250 N Water STE 300 Wichita KS 67202-1216
 Co. Rep / Geo. Tom Funk Rig Martin 21
 Location: Sec. 17 Twp. 16S Rge. 32W Co. Scott State KS

Interval Tested 4578-4640 Zone Tested Johnson Zone
 Anchor Length 62 Drill Pipe Run 4301.48 Mud Wt. 9.2
 Top Packer Depth 4574 Drill Collars Run 266.46 Vis 80
 Bottom Packer Depth 4578 Wt. Pipe Run _____ WL 6.8
 Total Depth 4640 Chlorides 2,000 ppm System LCM 6#
 Blow Description Built to 1/4" below
no return below
No below
no return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud with out spots</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 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2,387 Test 1250 T-On Location 7:40
 (B) First Initial Flow 14 Jars _____ T-Started 8:50
 (C) First Final Flow 17 Safety Joint _____ T-Open 11:08
 (D) Initial Shut-In 41 Circ Sub N/C T-Pulled 14:08
 (E) Second Initial Flow 16 Hourly Standby _____ T-Out 16:11
 (F) Second Final Flow 18 Mileage 34 RT x 2 105.40 Comments lead tools @ 7:30
 (G) Final Shut-In 36 Sampler _____ on 8/30/12
 (H) Final Hydrostatic 2,262 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 1355.40
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1355.40

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



PO Box 93999
Southlake, TX 76092

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

acct.
Prod-Lizt

INVOICE

Invoice Number: 132458

Invoice Date: Aug 22, 2012

Page: 1

PROD COPY



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Murfin	Edwards #1-17	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 22, 2012	9/21/12

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	16.25	2,762.50
6.00	MAT	Chloride	58.20	349.20
178.51	SER	Cubic Feet	2.10	374.87
279.79	SER	Ton Mileage	2.35	657.57
1.00	SER	Surface	1,125.00	1,125.00
34.00	SER	Pump Truck Mileage	7.00	238.00
1.00	SER	Manifold Swedge Rental	200.00	200.00
34.00	SER	Light Vehicle Mileage	4.00	136.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	D J Gray		
1.00	OPER ASSIST	Brandon Wilkinson		

Account # 1-17
ID203 4056.32
3. 2156.0001
Concrete S. Co.

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

\$2045.09

ONLY IF PAID ON OR BEFORE
Sep 16, 2012

Subtotal	5,843.14
Sales Tax	258.27
Total Invoice Amount	6,101.41
Payment/Credit Applied	
TOTAL	6,101.41

(2045.09)

4056.32

ALLIED OIL & GAS SERVICES, LLC 056674

Federal Tax I.D.# 20-5976804

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

SERVICE POINT

Okley

DATE <i>8-22-12</i>	SEC. <i>17</i>	TWP. <i>16</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION	JOB START <i>6:30 PM</i>	JOB FINISH <i>7:00 PM</i>
LEASE <i>Edwards</i>	WELL # <i>1-17</i>	LOCATION <i>Okley 83 S. 33rd miles</i>			COUNTY <i>Scott</i>	STATE <i>Ks.</i>	
OLD OR <i>NEW</i> (Circle one)		<i>Winto</i>					

CONTRACTOR *Murfin #21* OWNER *Same*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *226'* CEMENT

CASINO SIZE *8 3/8* DEPTH *228'* AMOUNT ORDERED *170 SKs Com 3% CC*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13.63*

EQUIPMENT

PUMP TRUCK CEMENTER *Darren Raette 1*

423-281 HELPER *Tyler Flipse 2 DJ Amy 3*

BULK TRUCK

347 DRIVER *Brandon Wilkison 3*

BULK TRUCK

DRIVER

REMARKS:

*mix 170 SKs Cement
Displace with Water
Cement Did Circulate*

Thank You.

CHARGE TO: *Murfin*

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 *JUAN TINOCO*

SIGNATURE *JUAN TINOCO*

COMMON *170 SKs @ \$16.25 = \$2762.50*

POZMIX @

GBL @

CHLORIDE *6 SKs @ \$58.22 = \$349.20*

ASC @

@

@

@

@

@

@

@

HANDLING *178.51 @ \$2.10 = \$374.82*

MILEAGE *8.23 x 34 x \$2.35 = \$657.52*

279.79 TOTAL *4144.14*

SERVICE

DEPTH OF JOB *228'*

PUMP TRUCK CHARGE *\$1125.00*

EXTRA FOOTAGE @

MILEAGE *34 @ \$7.00 = \$238.00*

MANIFOLD *Swedge @ \$200.00*

LV mileage @ \$4.00 = \$136.00

@

TOTAL *\$1689.00*

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any) *258.27*

TOTAL CHARGES *5,843.14*

DISCOUNT *35 2045.09* IF PAID IN 30 DAYS



PO Box 93999
Southlake, TX 76092

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

*acct.
Prod. - LIZ H*

INVOICE

Invoice Number: 132562
Invoice Date: Aug 30, 2012
Page: 1



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Murfin	Edwards #1-17	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 30, 2012	9/29/12

Quantity	Item	Description	Unit Price	Amount
180.00	MAT	Class A Common	16.25	2,925.00
120.00	MAT	Pozmix	8.50	1,020.00
10.00	MAT	Gel	21.25	212.50
75.00	MAT	Flo Seal	2.70	202.50
322.23	SER	Cubic Feet	2.10	676.68
457.30	SER	Ton Mileage	2.35	1,074.66
1.00	SER	Plug to Abandon	1,250.00	1,250.00
34.00	SER	Pump Truck Mileage	7.00	238.00
34.00	SER	Light Vehicle Mileage	4.00	136.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Adam Holcomb		

AKD

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

\$ 2707.36

ONLY IF PAID ON OR BEFORE

Sep 24, 2012

Subtotal	7,735.34
Sales Tax	642.03
Total Invoice Amount	8,377.37
Payment/Credit Applied	
TOTAL	8,377.37

ALLIED OIL & GAS SERVICES, LLC 058755

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:

Oakley

DATE <i>8/30/12</i>	SEC. <i>1A</i>	TWP. <i>16</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION	JOB START <i>9:30 AM</i>	JOB FINISH <i>10:53 AM</i>
LEASE <i>Edwards</i>	WELL # <i>1-17</i>	LOCATION <i>Oakley 570 Scott City Rd 280</i>	COUNTY <i>Scott</i>	STATE <i>TX</i>			
OLD OR NEW (Circle one)							

CONTRACTOR *Murfin Drilling* OWNER *Same*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D. _____

CASING SIZE *8 7/8* DEPTH *226'*

TUBING SIZE _____ DEPTH _____

DRILL PIPE *4 1/2* DEPTH _____

FOOT DEPTH _____

PRES. MAX _____ MINIMUM _____

WEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

CEMENT AMOUNT ORDERED *300 SK 60/40 407 gal*

14 P60

COMMON	<i>180</i>	@ <i>16.25</i>	<i>2925.00</i>
POZMIX	<i>120</i>	@ <i>8.50</i>	<i>1020.00</i>
OBL	<i>10</i>	@ <i>21.25</i>	<i>212.50</i>
CHLORIDE		@	
ASC		@	
<i>Flo Seal</i>	<i>25 lb</i>	@ <i>2.20</i>	<i>202.50</i>
HANDLING	<i>222.22 CF</i>	@ <i>3.00</i>	<i>666.66</i>
MILBAGE	<i>2.5 ton/mile 13.5 ton</i>	@ <i>10.24</i>	<i>1074.00</i>
	<i>457.30</i>	TOTAL	<i>6111.30</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*

TRUCK HELPER *Wayne McHugh*

TRUCK DRIVER *Adam Holcomb*

TRUCK DRIVER _____

REMARKS:

50 SK @ 2420'

80 SK @ 1700'

50 SK @ 850'

50 SK @ 240'

20 SK @ 60'

30 SK lost Hole

20 SK Mower Hole

CHARGE TO *Murfin Drilling Co.*

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE *1250.00*

EXTRA FOOTAGE @ _____

MILBAGE *34* @ *7.20* *238.80*

MANIFOLD *34* @ *4.00* *136.00*

TOTAL *1624.80*

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

we, Allied Oil & Gas Services, LLC, do hereby request you 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 *Juan Tinoco*

SIGNATURE *Juan Tinoco*

SALES TAX (If Any) *642.03*

TOTAL CHARGES *7,735.34*

DISCOUNT *35* *2707.36* IF PAID IN 30 DAYS