



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1101193
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: _____



1101193

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

TUBING RECORD:	Size: _____ Set At: _____ Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</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

November 15, 2012

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

Re: ACO1
API 15-109-21118-00-00
Larry 1-20
SE/4 Sec.20-12S-32W
Logan 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

	Larry #1-20 2310' FSL 850' FEL Sec. 20-T12S-R32W 3065' KB				Stoecker 'L' Unit #1-20 2000' FSL 2500' FWL Sec. 20-T12S-R32W 3069' KB			Scheetz Unit #1-28 1500' FNL 1300' FWL Sec. 28-T12S-R32W 3039' KB		
Formation	sample tops	Datum	Log Tops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2577	+488	2582	+483	-12	2574	+495	-10	2546	+493
B/Anhydrite	2600	+465	2604	+461	-10	2598	+471	-7	2571	+468
Topeka	3791	-726	3802	-737	-13	3793	-724	-13	3763	-724
Heebner	4020	-955	4022	-957	-10	4016	-947	-10	3986	-947
Toronto	4039	-974	4045	-980	-15	4034	-965	-14	4005	-966
Lansing	4059	-994	4066	-1001	-19	4051	-982	-13	4017	-978
Mun Crk	4210	-1145	4211	-1146	-8	4207	-1138	-7	4178	-1139
Stark	4294	-1229	4296	-1231	-11	4289	-1220	-10	4260	-1221
Up Pawnee	4494	-1429	4496	-1431	-6	4491	-1425	-12	4458	-1419
Fort Scott	4547	-1482	4549	-1484	-9	4544	-1475	-10	4513	-1474
Cherokee	4574	-1509	4577	-1512	-12	4570	-1500	-11	4540	-1501
Johnson	4618	-1553	4620	-1555	-10	4614	-1545	-10	4584	-1545
B Penn Lm	4649	-1584	4647	-1582	-11	4640	-1571	-13	4608	-1569
Mississippi	4675	-1610	4676	-1611	-20	4660	-1591	-19	4631	-1592
RTD	4750					4740			4700	
LTD			4652			4740			4699	

Thomas J. Funk
Petroleum Geologist

Geologists' Report
Drilling Time and Sample Log

OPERATOR Murfin Drilling Co., Inc
LEASE Larry WELL NO. #1-20

FIELD Wildcat API 15-109-21118
LOCATION 2310' FSL & 850' FEL
SEC. 20 TWP. 12S RGE. 32W

COUNTY Logan STATE Kansas

ELEVATION
KB 3065'
DF
GL 3054'
Measurements Are All From **KB**

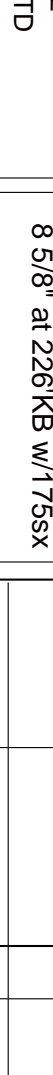
CASING RECORD
SURFACE 8 5/8" at 226'KB w/175x
DRILLING TIME KEPT FROM 3700
SAMPLES EXAMINED FROM 3700

CONTRACTOR Murfin Drig Co Rig #22
COMM. 7/20/2012 COMP. 7/28/2012
RTD 4750' LOG TD 4752'
SAMPLES SAVED FROM 3700 TO TD
DRILLING TIME KEPT FROM 3700 TO TD
SAMPLES EXAMINED FROM 3700 TO TD

SECTIOAL SUPERVISION FROM 3920 TO TD
MUD UP 3200 TYPE MUD Chemical

FORMATION	LOG TOP DATUM	SAMPLE TOP DATUM	STRUCT COMP
Amygdite	2582 (+493)	2577 (+488)	-12
B/Amygdite	2604 (+461)	2600 (+465)	-10
Topexka	3802 (-737)	3800 (-735)	-13
Healdene Sh	4022 (-957)	4020 (-955)	-10
Lansing	4066 (-1001)	4064 (-999)	-19
Murde Creek	4211 (-1146)	4210 (-1145)	-8
Stark Sh	4296 (-1231)	4294 (-1229)	-11
Marmaton	4395 (-1330)	4394 (-1329)	-1
Pawnee	4496 (-1431)	4494 (-1429)	-10
Cherokee Sh	4577 (-1512)	4576 (-1510)	-10
Johnson Zone	4620 (-1555)	4618 (-1553)	-10
Mississippi	4676 (-1611)	4673 (-1610)	-17

ELECTRICAL SURVEYS
Log-Tech
DIL
DUCP
MEL
BHCS



REFERENCE WELL FOR STRUCTURAL COMPARISON: Murfin Drig Co. #1-20 Stoecker, L. Logan Co, KS

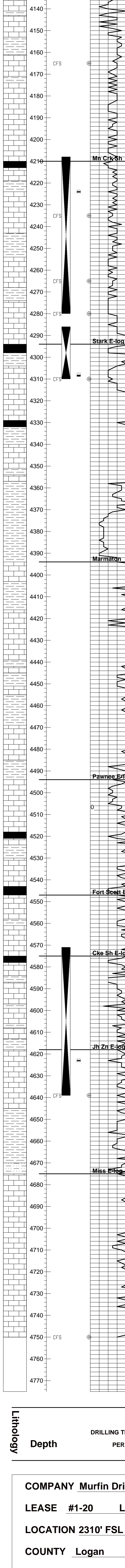
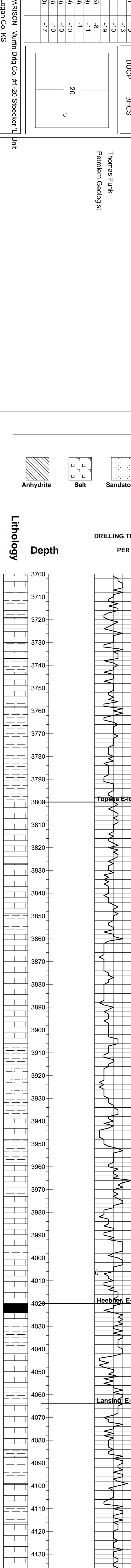
Daily Progress

Date	Depth	NO	Size	Make	Type	Depth Out	Feet	Hours
7/20/12	Stud	1	1 1/4"	GMS	RR	227	227	3
7/21/12	2010	2	7 7/8"	HTC	DP606F	3650	3423	39
7/22/12	3650	3	7 7/8"	HTC	GX22s	4750	1100	96
7/24/12	4165							
7/25/12	4280							
7/26/12	4440							
7/27/12	4639							
7/28/12	4750 TD Logging							

Remarks And Recommendations:
Based upon log analysis, DST recovery, and sample examination, it was decided to plug and abandon the #1-20 Larry.

Thomas Funk
Petroleum Geologist

ANHYDRITE
SALT
SANDSTONE
SHALE
CARB SHALE
LIMESTONE
OOL LIMESTONE
CHERT
DOLOMITE



COMPANY Murfin Drilling Co., Inc ELEVATION 3065' KB
LEASE #1-20 Larry
LOCATION 2310' FSL & 850' FEL Sec 20 TWP. 12S RGE. 32W
COUNTY Logan STATE Kansas



DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita KS 67202-1216

ATTN: Tom Funk

Larry #1-20

20-12s-32w Logan,KS

Start Date: 2012.07.24 @ 20:30:00

End Date: 2012.07.25 @ 04:02:30

Job Ticket #: 48335 DST #: 1

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

Printed: 2012.07.31 @ 15:06:31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48335

DST#: 1

ATTN: Tom Funk

Test Start: 2012.07.24 @ 20:30:00

GENERAL INFORMATION:

Formation: **Kansas City "H,I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:06:15

Time Test Ended: 04:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: 4208.00 ft (KB) To 4280.00 ft (KB) (TVD)

Reference Elevations: 3065.00 ft (KB)

Total Depth: 4280.00 ft (KB) (TVD)

3054.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 28.94 psig @ 4209.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.24

End Date:

2012.07.25

Last Calib.: 2012.07.25

Start Time: 20:30:15

End Time:

04:02:30

Time On Btm: 2012.07.24 @ 23:05:00

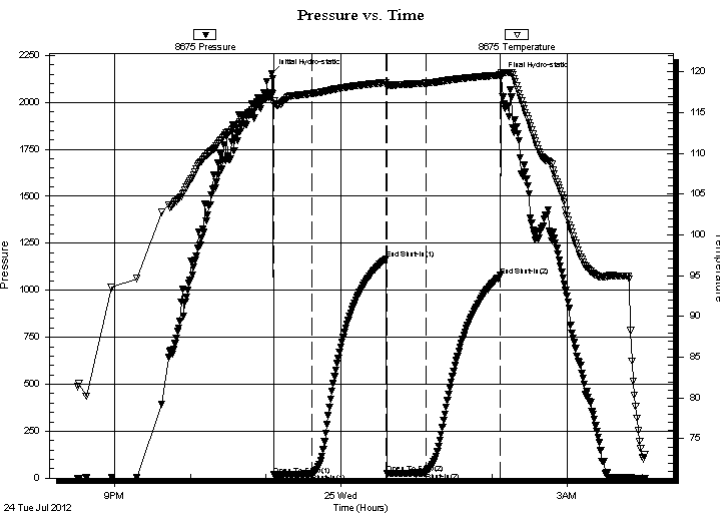
Time Off Btm: 2012.07.25 @ 02:07:45

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	2154.86	117.27	Initial Hydro-static
2	16.95	116.08	Open To Flow (1)
32	23.46	117.35	Shut-In(1)
91	1168.84	118.69	End Shut-In(1)
92	24.19	118.20	Open To Flow (2)
123	28.94	118.61	Shut-In(2)
182	1078.71	119.60	End Shut-In(2)
183	2139.37	119.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud w with few oil spots	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.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48335

DST#: 1

ATTN: Tom Funk

Test Start: 2012.07.24 @ 20:30:00

Tool Information

Drill Pipe:	Length: 3977.42 ft	Diameter: 3.80 inches	Volume: 55.79 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: 233.89 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.31 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4208.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	92.00 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			4189.00	
Shut In Tool	5.00			4194.00	
Hydraulic tool	5.00			4199.00	
Packer	5.00			4204.00	20.00 Bottom Of Top Packer
Packer	4.00			4208.00	
Stubb	1.00			4209.00	
Recorder	0.00	8675	Inside	4209.00	
Recorder	0.00	8650	Outside	4209.00	
Perforations	4.00			4213.00	
Change Over Sub	1.00			4214.00	
Drill Pipe	62.00			4276.00	
Change Over Sub	1.00			4277.00	
Bullnose	3.00			4280.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48335

DST#: 1

ATTN: Tom Funk

Test Start: 2012.07.24 @ 20:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 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
10.00	100% Mud with few oil spots	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

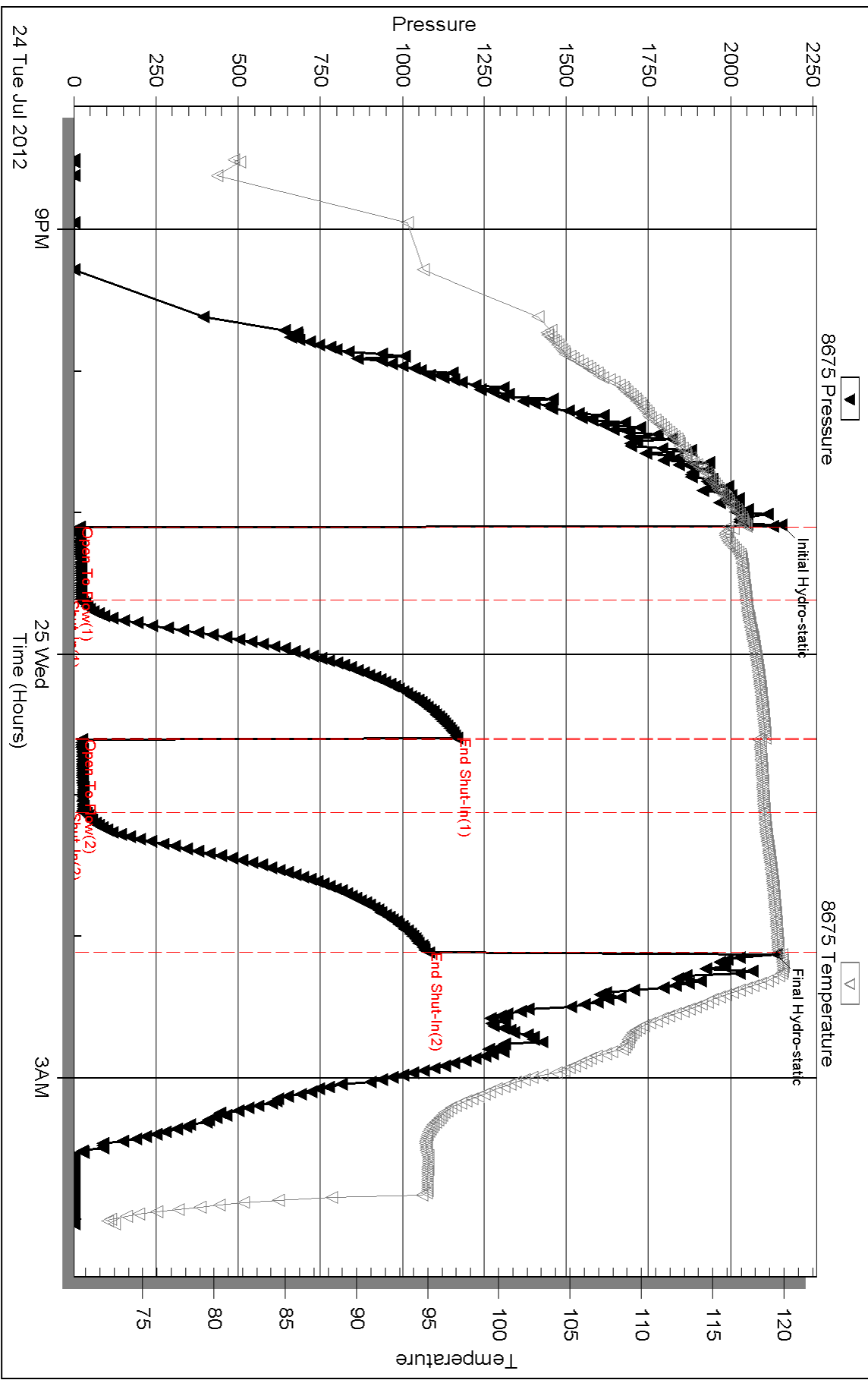
Inside

Murfin Drilling Company Inc.

Larry #1-20

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 48335

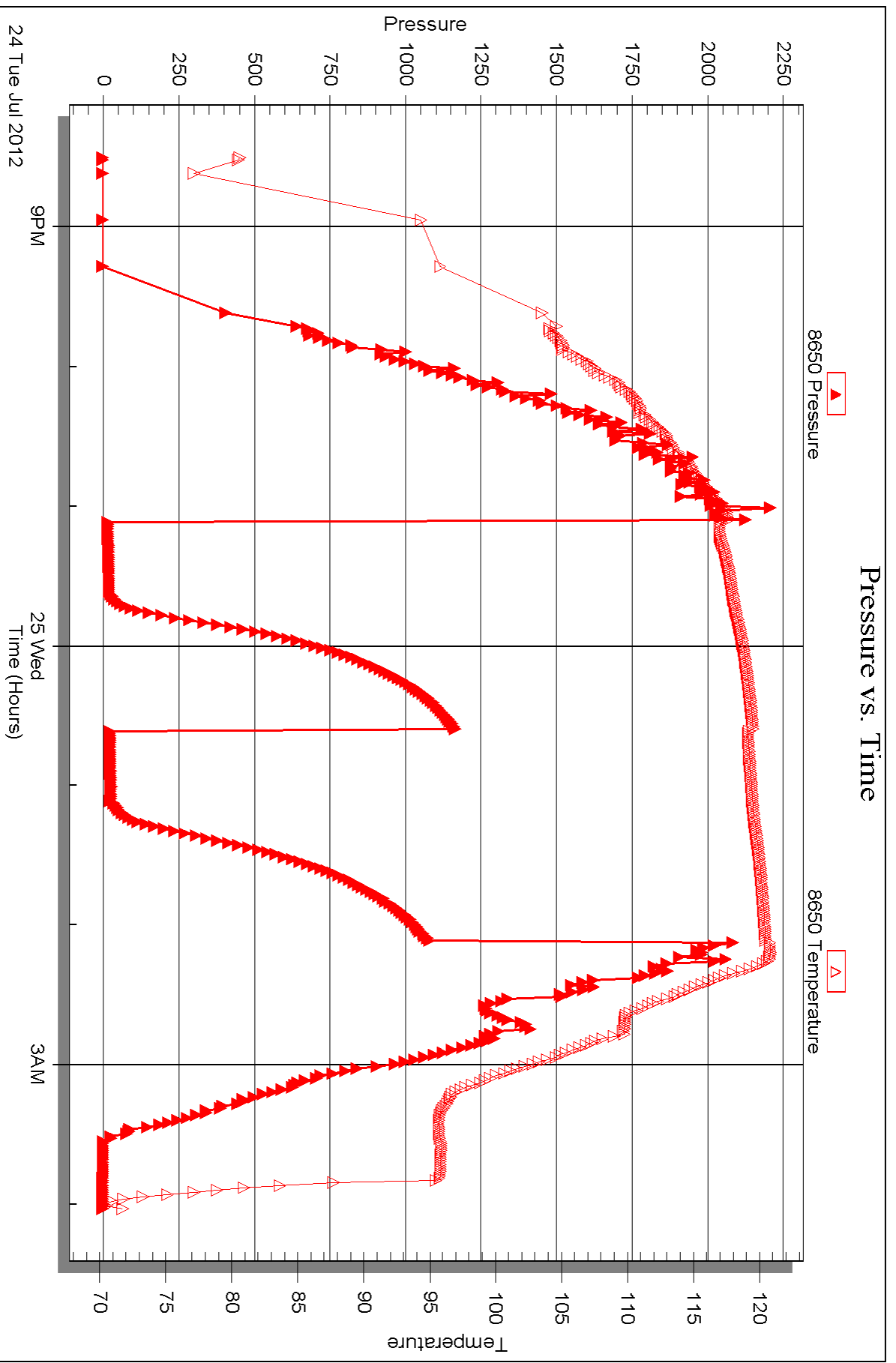
Printed: 2012.07.31 @ 15:06:35

Serial #: 8650

Outside Murfin Drilling Company Inc.

Larry #1-20

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48335

Printed: 2012.07.31 @ 15:06:35



DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita KS 67202-1216

ATTN: Tom Funk

Larry #1-20

20-12s-32w Logan,KS

Start Date: 2012.07.25 @ 12:20:00

End Date: 2012.07.25 @ 19:03:45

Job Ticket #: 48336 DST #: 2

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

Printed: 2012.07.31 @ 15:05:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48336

DST#: 2

ATTN: Tom Funk

Test Start: 2012.07.25 @ 12:20:00

GENERAL INFORMATION:

Formation: **Kansas City "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:00

Time Test Ended: 19:03:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4286.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 3065.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

3054.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 37.26 psig @ 4287.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.25

End Date: 2012.07.25

Last Calib.: 2012.07.25

Start Time: 12:20:15

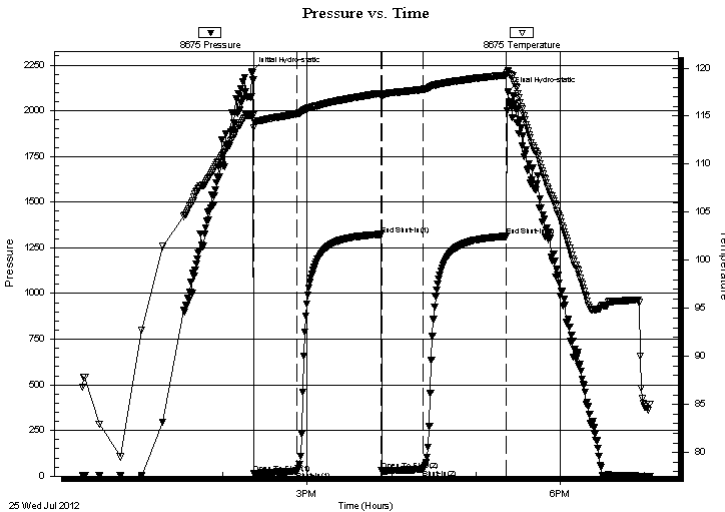
End Time: 19:03:45

Time On Btm: 2012.07.25 @ 14:20:30

Time Off Btm: 2012.07.25 @ 17:22:45

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	2216.44	115.08	Initial Hydro-static
2	14.13	113.82	Open To Flow (1)
32	26.08	115.24	Shut-In(1)
92	1323.86	117.38	End Shut-In(1)
93	29.57	116.97	Open To Flow (2)
122	37.26	117.79	Shut-In(2)
182	1313.66	119.27	End Shut-In(2)
183	2107.32	119.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%Mud with few oil spots	0.07

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.

20-12s-32w Logan, KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48336

DST#: 2

ATTN: Tom Funk

Test Start: 2012.07.25 @ 12:20:00

GENERAL INFORMATION:

Formation: **Kansas City "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:22:00

Time Test Ended: 19:03:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4286.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 3065.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

3054.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8650 Outside

Press @ Run Depth: psig @ 4287.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.25 End Date: 2012.07.25

Last Calib.: 2012.07.25

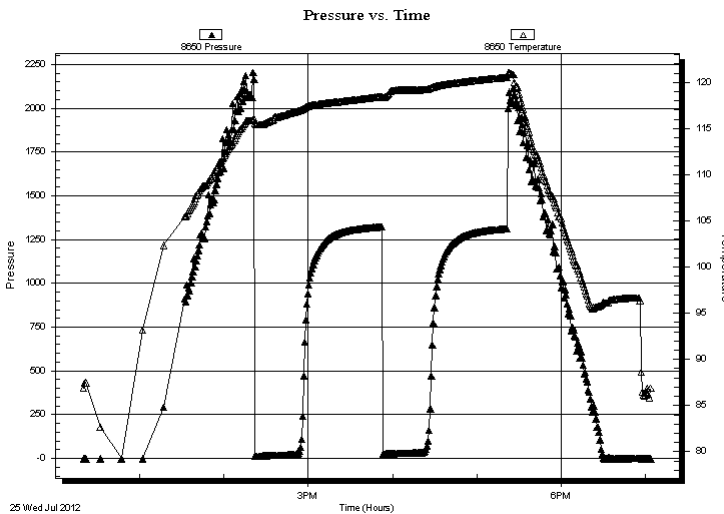
Start Time: 12:20:15 End Time: 19:03:45

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)
15.00	100% Mud with few oil spots	0.07

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.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48336

DST#: 2

ATTN: Tom Funk

Test Start: 2012.07.25 @ 12:20:00

Tool Information

Drill Pipe:	Length: 4039.75 ft	Diameter: 3.80 inches	Volume: 56.67 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: 233.89 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 57.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.64 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4286.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	44.00 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			4267.00	
Shut In Tool	5.00			4272.00	
Hydraulic tool	5.00			4277.00	
Packer	5.00			4282.00	20.00 Bottom Of Top Packer
Packer	4.00			4286.00	
Stubb	1.00			4287.00	
Recorder	0.00	8675	Inside	4287.00	
Recorder	0.00	8650	Outside	4287.00	
Perforations	20.00			4307.00	
Change Over Sub	0.00			4307.00	
Drill Pipe	0.00			4307.00	
Change Over Sub	0.00			4307.00	
Bullnose	3.00			4310.00	24.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48336

DST#: 2

ATTN: Tom Funk

Test Start: 2012.07.25 @ 12:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 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
15.00	100%Mud w ith few oil spots	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

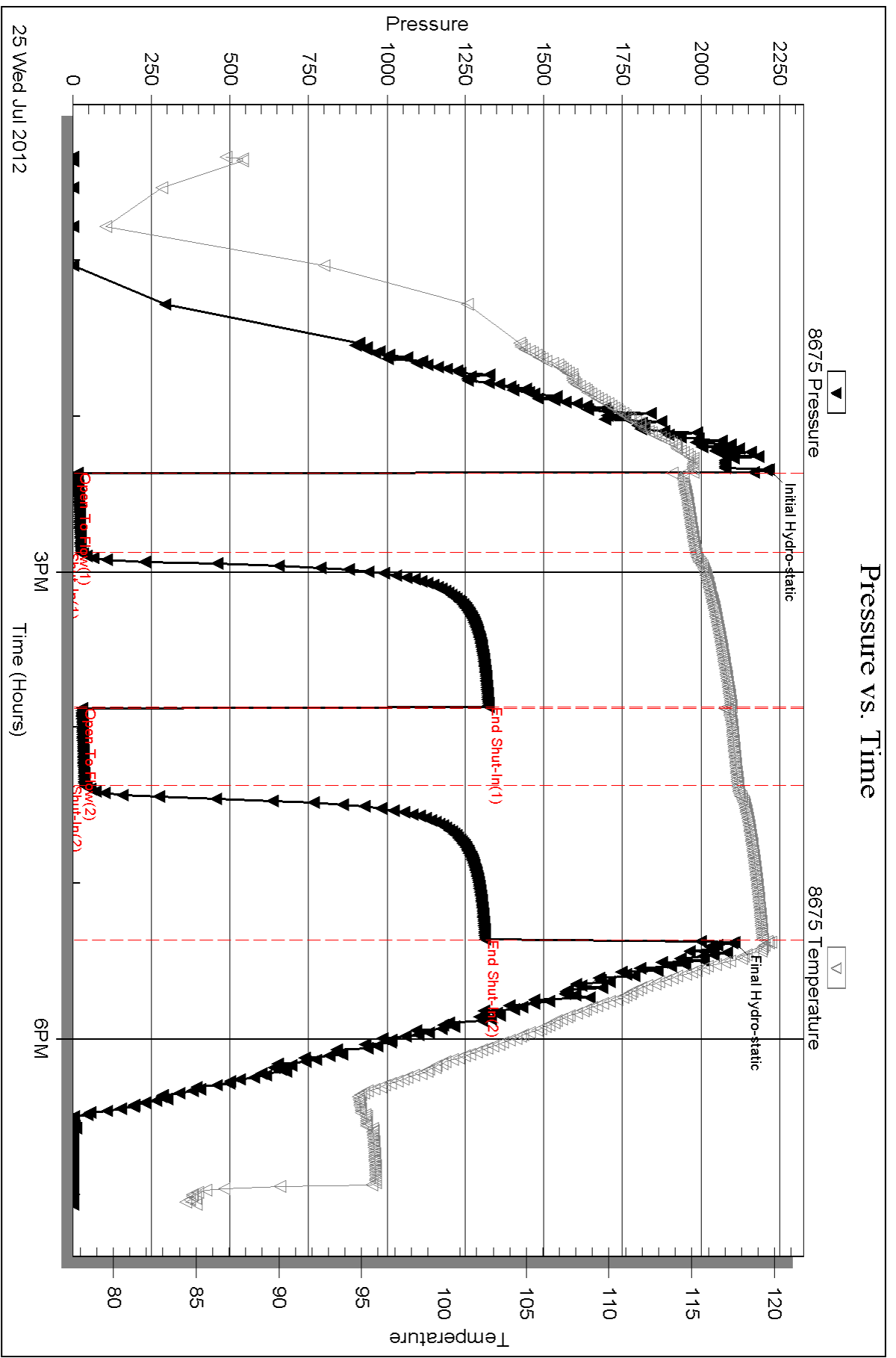
Serial #: 8675

Inside

Murfin Drilling Company Inc.

Larry #1-20

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48336

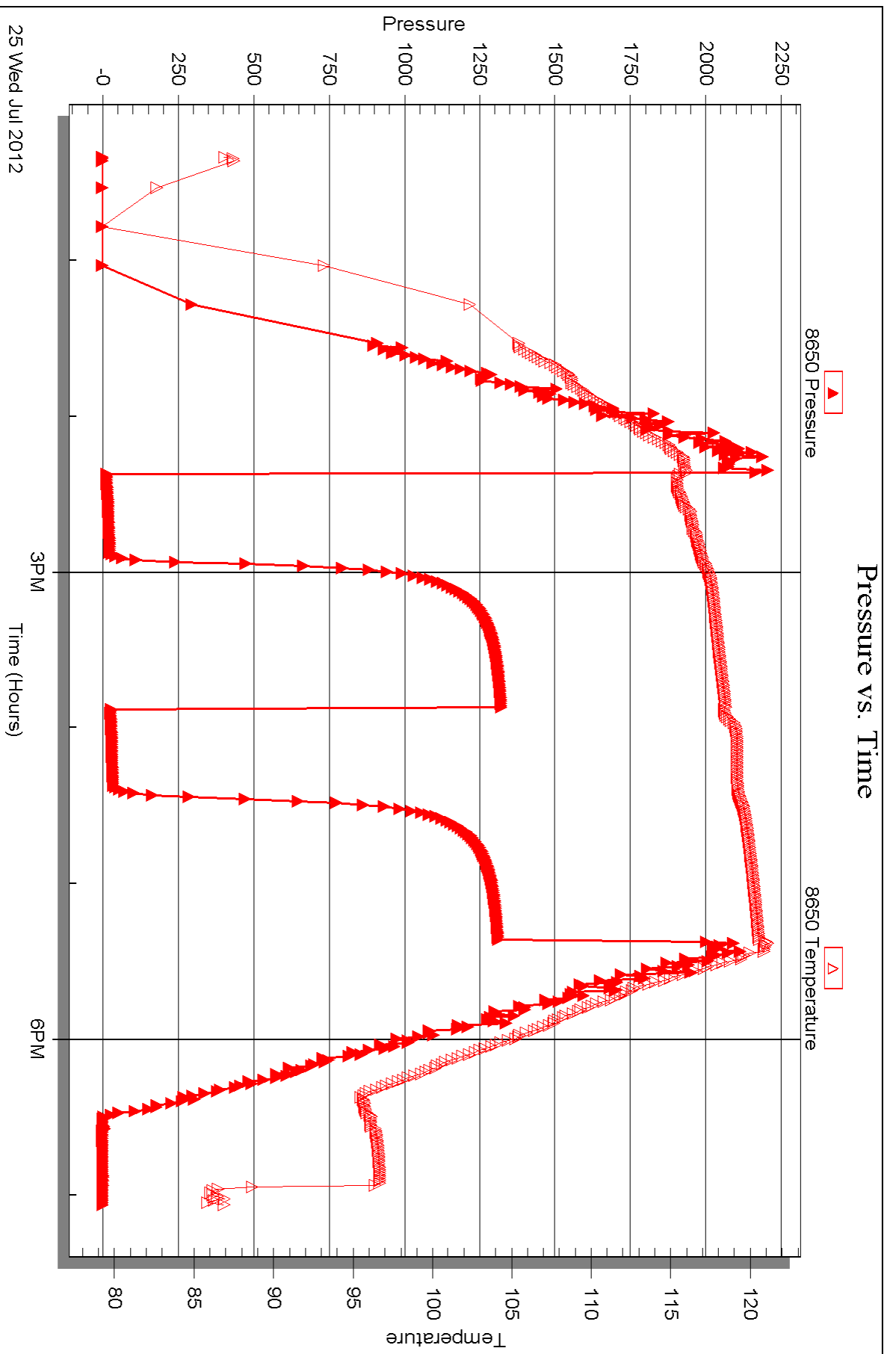
Printed: 2012.07.31 @ 15:05:28

Serial #: 8650

Outside Murfin Drilling Company Inc.

Larry #1-20

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

Larry #1-20

20-12s-32w Logan,KS

Start Date: 2012.07.27 @ 01:00:00

End Date: 2012.07.27 @ 09:35:15

Job Ticket #: 48337 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.31 @ 14:47:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company Inc.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48337

DST#: 3

ATTN: Tom Funk

Test Start: 2012.07.27 @ 01:00:00

GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:39:15

Time Test Ended: 09:35:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4571.00 ft (KB) To 4639.00 ft (KB) (TVD)

Reference Elevations: 3065.00 ft (KB)

Total Depth: 4639.00 ft (KB) (TVD)

3054.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 381.67 psig @ 4572.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.27

End Date: 2012.07.27

Last Calib.: 2012.07.27

Start Time: 01:00:15

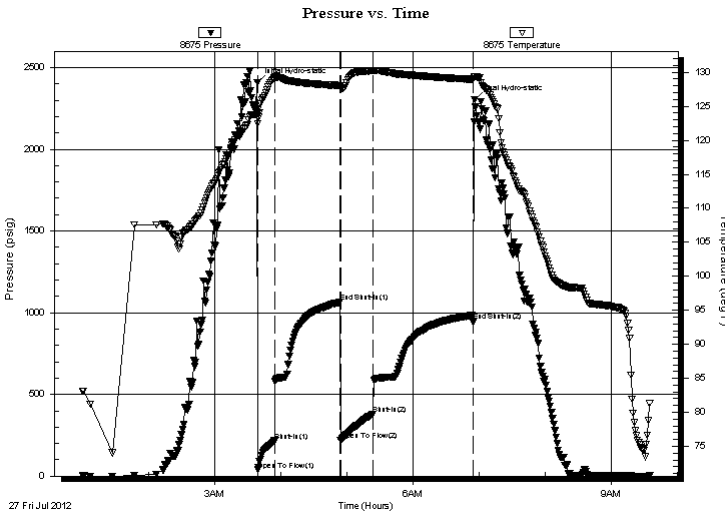
End Time: 09:35:15

Time On Btm: 2012.07.27 @ 03:38:45

Time Off Btm: 2012.07.27 @ 06:56:00

TEST COMMENT: B.O.B. in 6 1/2 min.
Bled off for 5 min. No return blow
B.O.B. in 9 1/2 min.
Bled off for 5 min. Built to 1/4" return blow . Died in 75 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2408.45	123.86	Initial Hydro-static
1	37.90	122.40	Open To Flow (1)
16	215.30	129.19	Shut-In(1)
76	1064.25	128.06	End Shut-In(1)
76	218.56	127.61	Open To Flow (2)
106	381.67	130.21	Shut-In(2)
197	946.53	128.96	End Shut-In(2)
198	2303.61	129.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
233.00	100% Water	1.15
252.00	mcw 20%M 80%W	3.53
252.00	ocmw 10%O 30%M 60%W	3.53
63.00	mcow 20%M 30%O 50%W	0.88
0.00	118 Gas In Pipe	0.00

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.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48337

DST#: 3

ATTN: Tom Funk

Test Start: 2012.07.27 @ 01:00:00

Tool Information

Drill Pipe:	Length: 4353.22 ft	Diameter: 3.80 inches	Volume: 61.06 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: 233.89 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	36.11 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4571.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 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			4552.00	
Shut In Tool	5.00			4557.00	
Hydraulic tool	5.00			4562.00	
Packer	5.00			4567.00	20.00 Bottom Of Top Packer
Packer	4.00			4571.00	
Stubb	1.00			4572.00	
Recorder	0.00	8675	Inside	4572.00	
Recorder	0.00	8650	Outside	4572.00	
Perforations	31.00			4603.00	
Change Over Sub	1.00			4604.00	
Drill Pipe	31.00			4635.00	
Change Over Sub	1.00			4636.00	
Bullnose	3.00			4639.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company Inc.

20-12s-32w Logan,KS

250 N Water STE 300
Wichita KS 67202-1216

Larry #1-20

Job Ticket: 48337

DST#: 3

ATTN: Tom Funk

Test Start: 2012.07.27 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
233.00	100% Water	1.146
252.00	mcw 20%M 80%W	3.527
252.00	ocmw 10%O 30%M 60%W	3.535
63.00	mcow 20%M 30%O 50%W	0.884
0.00	118 Gas In Pipe	0.000

Total Length: 800.00 ft Total Volume: 9.092 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

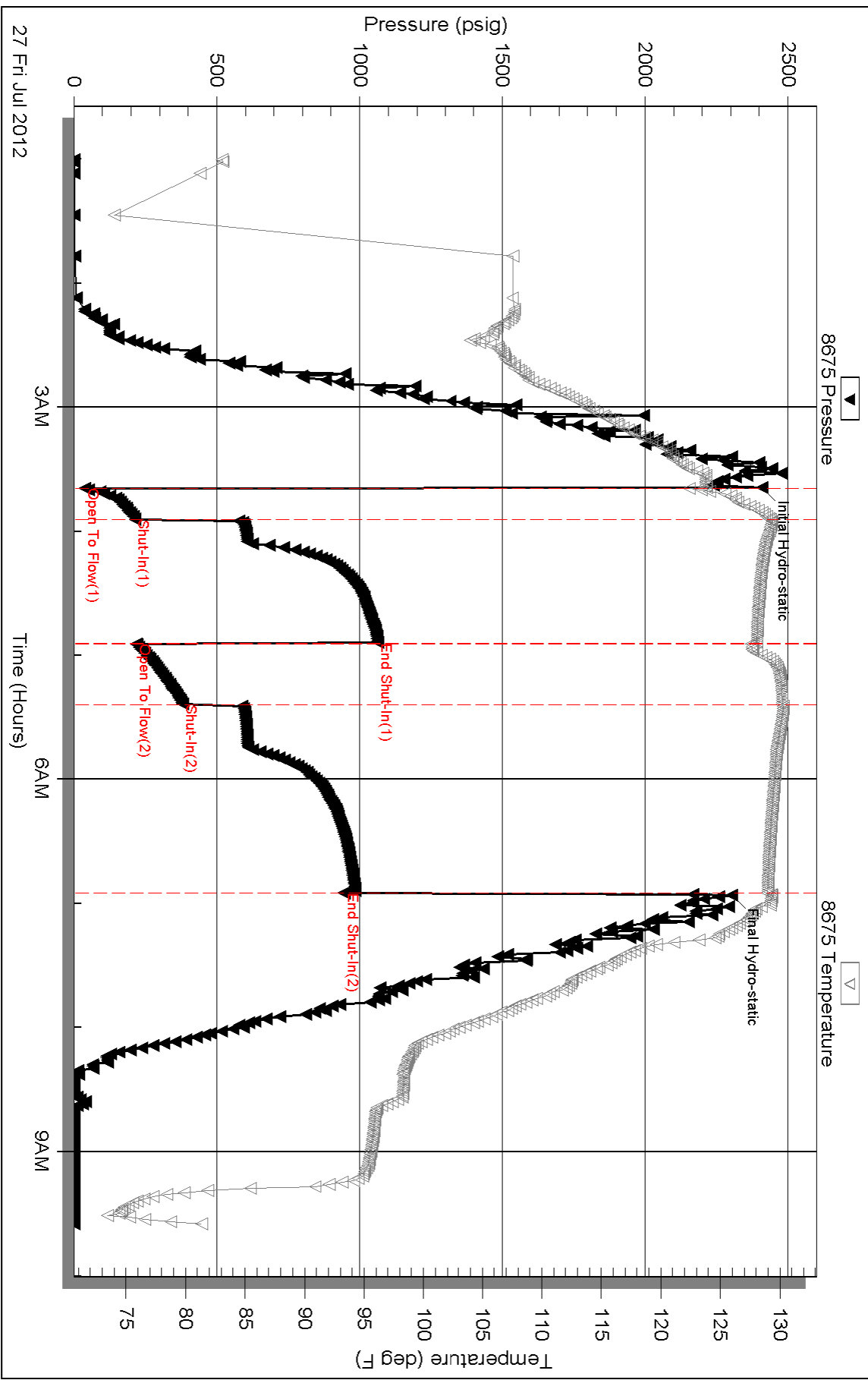
Laboratory Name:

Laboratory Location:

Recovery Comments: API: 31 @ 90 = 29

RW: .10 @ 90 = 60,000

Pressure vs. Time

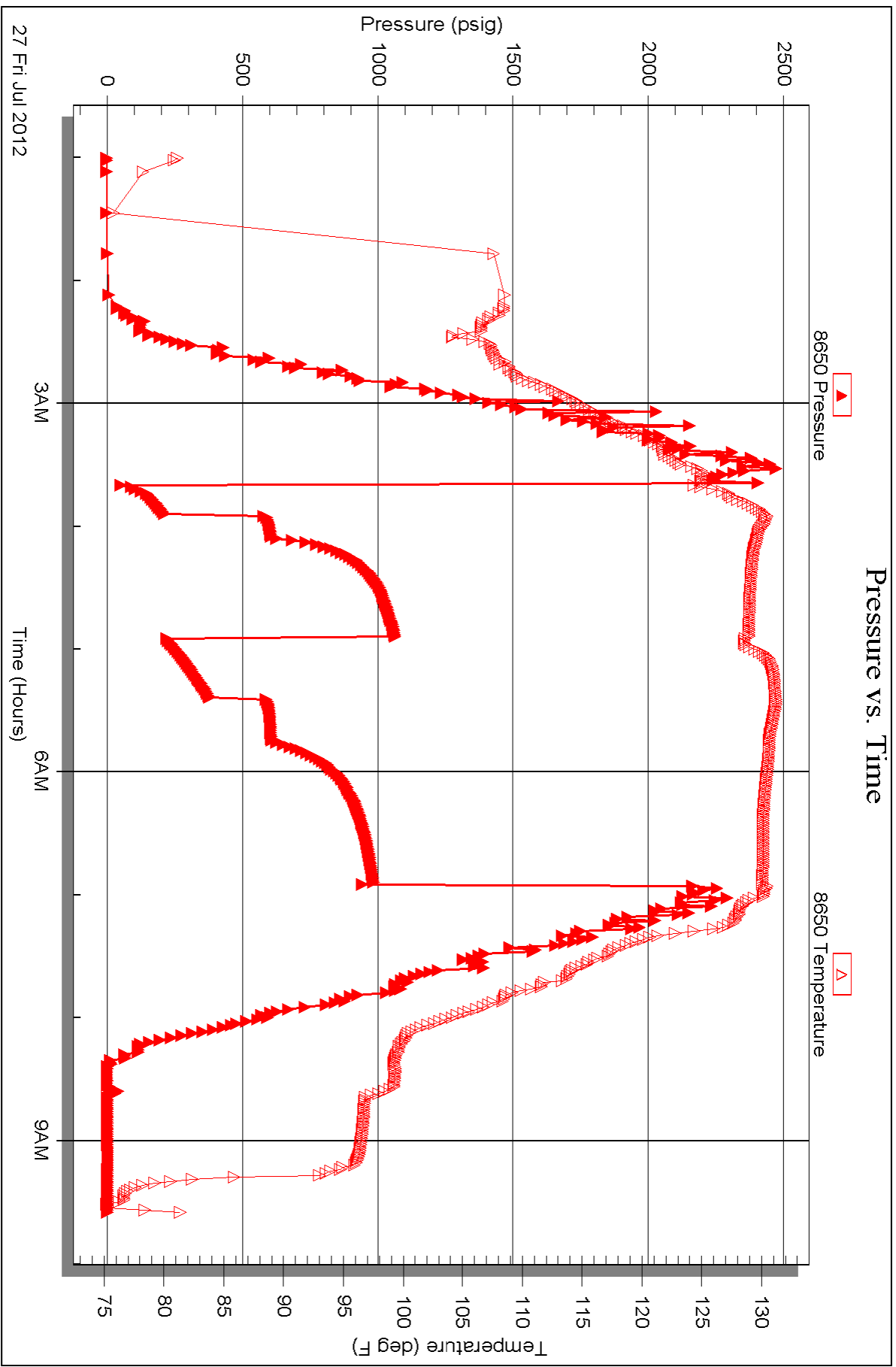


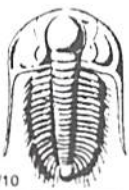
Serial #: 8650

Outside Murfin Drilling Company Inc.

Larry #1-20

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48335

Well Name & No. Larry 1-20 Test No. 1 Date 7/24/12 7/25/12
 Company Martin Drilling Company Inc Elevation 3065 KB 3054 GL
 Address 250 N Water STE 300 Wichita KS 67202-1216
 Co. Rep / Geo. Tom Funk Rig Martin 22
 Location: Sec. 20 Twp. 12s Rge. 32w Co. Logan State KS

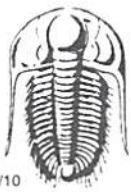
Interval Tested 4208 - 4280 Zone Tested Kansas City "H, I, J"
 Anchor Length 72 Drill Pipe Run 3977.42 Mud Wt. 9.2
 Top Packer Depth 4204 Drill Collars Run 233.89 Vis 52
 Bottom Packer Depth 4208 Wt. Pipe Run _____ WL 7.2
 Total Depth 4280 Chlorides 2,000 ppm System LCM 6
 Blow Description Built to 1/4" below
No return below
No below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mad with few oil 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 Total 10 BHT 120 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2,155 Test 1250 T-On Location 19:15
 (B) First Initial Flow 17 Jars _____ T-Started 20:30
 (C) First Final Flow 23 Safety Joint _____ T-Open 23:06
 (D) Initial Shut-In 1,169 Circ Sub N/C T-Pulled 2:06
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 4:03
 (F) Second Final Flow 29 Mileage 86RT 133.30 Comments _____
 (G) Final Shut-In 1,079 Sampler _____
 (H) Final Hydrostatic 2,139 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 1383.30
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1383.30

Approved By [Signature] Our Representative [Signature]
 Triobite 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. 48336

Well Name & No. Larry 1-20 Test No. 2 Date 7/25/12
 Company Martin Drilling Company Inc. Elevation 3065 KB 3054 GL
 Address 250 N Water STE 300 Wichita KS 67202-1216
 Co. Rep / Geo. Tom Funk Rig Martin 22
 Location: Sec. 20 Twp. 12S Rge. 32W Co. Logan State KS

Interval Tested 4286 - 4310 Zone Tested Kansas City "K"
 Anchor Length 24 Drill Pipe Run 4039.75 Mud Wt. 9.5
 Top Packer Depth 4282 Drill Collars Run 233.89 Vis 52
 Bottom Packer Depth 4286 Wt. Pipe Run _____ WL 8.0
 Total Depth 4310 Chlorides 2,000 ppm System LCM 4#

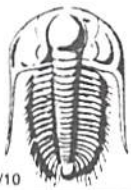
Blow Description Built to 1/4 blow
No Return below
No blow
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud with oil 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 Total 15 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2216 Test 1250 T-On Location 11:45
 (B) First Initial Flow 14 Jars T-Started 12:20
 (C) First Final Flow 26 Safety Joint T-Open 14:22
 (D) Initial Shut-In 1,324 Circ Sub N/C T-Pulled 17:2
 (E) Second Initial Flow 30 Hourly Standby T-Out 19:03
 (F) Second Final Flow 37 Mileage 86 RT 133.30 Comments _____
 (G) Final Shut-In 1,312 Sampler _____
 (H) Final Hydrostatic 2,107 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 1383.30
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1383.30

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damages 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. 48337

Well Name & No. harry 1-20 Test No. 3 Date 7/27/12
 Company Martin Drilling Company Inc Elevation 3065 KB 3054 GL
 Address 250 W Water STE 300 Wichita KS 67202-1216
 Co. Rep / Geo. Tom Funk Rig Martin 22
 Location: Sec. 20 Twp. 12s Rge. 32w Co. Logan State KS

Interval Tested 4571 - 4639 Zone Tested Johnson Zone
 Anchor Length 68 Drill Pipe Run 4353.22 Mud Wt. 9.3
 Top Packer Depth 4567 Drill Collars Run 233.89 Vis 57
 Bottom Packer Depth 4571 Wt. Pipe Run _____ WL 8.0
 Total Depth 4639 Chlorides 2,300 ppm System LCM 7#

Blow Description B.O.B. in 1 1/2 min.
Bled off for 5 min. No return below
B.O.B. in 9 1/2 min.
Bled off for 5 min. Built to 1/4" return below. Diced for 75 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>118' Gas In Pipe</u>				
<u>63</u>	<u>mcow</u>	<u>30</u>	<u>50</u>	<u>20</u>	
<u>252</u>	<u>OCMW</u>	<u>10</u>	<u>60</u>	<u>30</u>	
<u>252</u>	<u>mcw</u>		<u>80</u>	<u>20</u>	
<u>233</u>	<u>w</u>		<u>100</u>		

Rec Total 800 BHT 129 Gravity 29 API RW 10 @ 90 °F Chlorides 10,000 ppm
 (A) Initial Hydrostatic 2,408 Test 1250 T-On Location 00:10
 (B) First Initial Flow 38 Jars T-Started 1:00
 (C) First Final Flow 215 Safety Joint T-Open 3:38
 (D) Initial Shut-In 1,064 Circ Sub N/C T-Pulled 6:55
 (E) Second Initial Flow 219 Hourly Standby 5hrs T-Out 9:35
 (F) Second Final Flow 382 Mileage BERT x 2 266.60 Comments _____
 (G) Final Shut-In 947 Sampler _____
 (H) Final Hydrostatic 2,304 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer 320
 Extra Recorder _____ Extra Copies _____

Initial Open 15
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 90
 Sub Total 1516.60
 Sub Total 166.67 + 320
 Total 2003.27
 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.



*acct:
Prod-Lizth*

INVOICE

PO Box 93999
Southlake, TX 76092

PROD COPY

Invoice Number: 132003
Invoice Date: Jul 21, 2012
Page: 1

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



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Murfin	Larry #1-20	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 21, 2012	8/20/12

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	16.25	2,843.75
6.00	MAT	Chloride	58.20	349.20
183.75	SER	Cubic Feet	2.10	385.88
101.63	SER	Ton Mileage	2.35	238.85
1.00	SER	Surface	1,125.00	1,125.00
12.00	SER	Pump Truck Mileage	7.00	84.00
1.00	SER	Manifold Rental	200.00	200.00
12.00	SER	Light Vehicle Mileage	4.00	48.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Jeremy Sterger		

Account	Qty	U.	No.	Amount	Description
132003	3			4520.0001	Cement S. (Sg.)
					01511
					#1-20

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

\$1846.06

ONLY IF PAID ON OR BEFORE
Aug 15, 2012

Subtotal	5,274.68
Sales Tax	249.05
Total Invoice Amount	5,523.73
Payment/Credit Applied	
TOTAL	5,523.73

(1846.06)

3677.67

ALLIED OIL & GAS SERVICES, LLC 056767

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:

Oakley, KS

DATE <i>5/21/12</i>	SEC <i>20</i>	TWP <i>12</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION	JOB START <i>2:30pm</i>	JOB FINISH <i>3:00pm</i>
LEASE <i>Logan</i>	WELL # <i>1-20</i>	LOCATION <i>Oakley 95 2 1/2 W 31/4 N</i>			COUNTY <i>Logan</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			Einto		1.01		

CONTRACTOR *Marfin Drilling*
 TYPE OF JOB *Subsant*
 HOLE SIZE *12 1/4* T.D. *227'*
 CASING SIZE *8 7/8* DEPTH *227*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER *Same*
 CEMENT AMOUNT ORDERED *1756m 370cc*

COMMON *175* @ *16.25* *2843.75*
 POZMIX @
 GBL @
 CHLORIDE *16* @ *58.20* *349.20*
 ASC @

EQUIPMENT
 PUMP TRUCK CEMENTER *Alan Ryan 1*
 # *402* HELPER *Wayne McElhugh 2*
 BULK TRUCK
 # *347* DRIVER *Jeremy Steyer 3*
 BULK TRUCK
 # DRIVER

HANDLING *103.25 CF* @ *2.10* *216.83*
 MILEAGE *101.63* @ *2.30* *233.76*
 TOTAL *381.79*

REMARKS:

*Mix Cement, Displace Cement
 Shut in
 Cement did circulate
 Thank You Alan Wayne, Jeremy*

SERVICE

DEPTH OF JOB *227*
 PUMP TRUCK CHARGE *1125.00*
 EXTRA FOOTAGE @
 MILEAGE *12* @ *7.00* *84.00*
 MANIFOLD *10* @ *4.00* *40.00*

CHARGE TO: *Marfin Drilling Co*
 STREET
 CITY STATE ZIP

TOTAL *1457.00*

PLUG & FLOAT EQUIPMENT

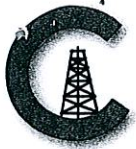
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TOTAL

SALES TAX (If Any) *349.05*
 TOTAL CHARGES *5,274.4868*
 DISCOUNT *35* *1846.06* IF PAID IN 30 DAYS

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*



CONSOLIDATED
Oil Well Services, LLC

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

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

INVOICE

Invoice # 251646

Invoice Date: 07/30/2012 Terms: 10/10/30, n/30

Page 1

MURFIN DRILLING
P.O. BOX 288
RUSSELL KS 67665
() -

OPERATOR PAY MDC

LEASE: Larry 1-20
Om

LARRY 1-20
37027
20-12-32
07-28-2012
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	220.00	15.1000	3322.00
1118B	PREMIUM GEL / BENTONITE	757.00	.2500	189.25
1107	FLO-SEAL (25#)	55.00	2.8200	155.10
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-376.24
9995-130	CEMENT EQUIPMENT DISCOUNT	-178.50

Description	Hours	Unit Price	Total
399 P & A NEW WELL	1.00	1325.00	1325.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
566 MIN. BULK DELIVERY	1.00	410.00	410.00

AKD

USED FOR _____

APPROVED _____

Amount Due 5840.82 if paid after 08/29/2012

Parts:	3762.35	Freight:	.00	Tax:	264.12	AR	5256.73
Labor:	.00	Misc:	.00	Total:	5256.73		
Sublt:	-554.74	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 37027
LOCATION Oakley, KS
FOREMAN Kelly Gabel

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	KS COUNTY
7-28-12	5406	Larry 1-20	20	12	32	Logan
CUSTOMER		Murfin	Oakley			
MAILING ADDRESS			5 route			
CITY			Rd 2W			
STATE			N & E			
ZIP CODE			into			
TRUCK #	DRIVER	TRUCK #	DRIVER			
399	Jerry P					
566	Cody R					

JOB TYPE P+A HOLE SIZE 7 7/8 HOLE DEPTH 4750 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting, rigged up on Murfin drilling rig # 22,
mixed cement plugs & displaced
25 SKS @ 2588
100 SKS @ 1605
40 SKS @ 275
10 SKS @ 40
30 SKS RH
16 SKS MH

*Thank you
for service*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325 ⁰⁰	1325 ⁰⁰
5406	10 mi	MILEAGE	5 ⁰⁰	50 ⁰⁰
1131	220 SKS	60/40 P02	15 ¹⁰	3322 ⁰⁰
1188	757 #	Bentonite	.25	189 ²⁵
1107	55 #	Flo-seal	2 ⁸³	155 ¹⁰
5407	9.46	Ton Mileage	127	410 ⁰⁰
4432	1	8 5/8 wooden plug	96 ⁰⁰	96 ⁰⁰
				5547 ³⁵
		Lead 1000 disc	554	74
				4992 ⁶¹
				211 ¹²
				5256 ⁷³

Revin 3737
 6:00 PM
 AUTHORIZATION Robert W. Mickelson TITLE Pusher DATE 7-28-12
 SALES TAX ESTIMATED TOTAL

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

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