



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1149295
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
-----------------------------------	-----------------	---

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: _____



1149295

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

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: _____ _____
--	--	---

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

June 26, 2013

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

Re: ACO1
API 15-051-26489-00-00
Befort 1-12
SW/4 Sec.12-15S-19W
Ellis 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 Befort #1-12 1750' FSL 350' FWL Sec. 12-T15S-R19W 2065' KB							Source Petroleum Urban #3 1025FSL 2935FEL Sec. 12-T15S-R19W 2057' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1264	+801	-5	1256	+809	+3	1251	+806
B/Anhydrite	1298	+767	-4	1300	+765	-6	1286	+771
Topeka	3042	-977	+4	3046	-981	Flat	3038	-981
Heebner	3305	-1240	Flat	3306	-1241	-1	3297	-1240
Toronto	3324	-1259	Flat	3328	-1263	-4	3316	-1259
Lansing	3351	-1286	-2	3352	-1287	-3	3341	-1284
Stark	3545	-1480	+1	3549	-1484	-3	3538	-1481
BKC	3591	-1526	Flat	3598	-1533	-7	3583	-1526
Arbuckle	3653	-1587	+14	3652	-1587	+15	3659	-1602
RTD	3752						3710	
LTD				3756			3710	

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Company Inc.**

LEASE **Befort #1-12**

FIELD **Dechant**

LOCATION **1750 F.S.L & 350 F.W.L**

SEC **12** TWP **15 S** RGE **19 W**

COUNTY **Ellis** STATE **Kansas**

CONTRACTOR **Murfin Drilling Rig #2**

SPUD **3/1/2013** COMP **3/8/2013**

RTD **3/7/2013** LTD **3/7/2013**

MUD UP **2500'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **2930'** TO **RTD**

DRILLING TIME KEPT FROM **2930'** TO **RTD**

SAMPLES EXAMINED FROM **2930'** TO **RTD**

GEOLOGICAL SUPERVISION FROM **2904'** TO **RTD**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMATION TOPS

ANHYDRITE **1256 (-809)**

TOPEKA **3033 (-967)**

HEEBNER SH **3306 (-1241)**

LANSING **3352 (-1287)**

BKC **3591 (-1526)**

ARBUCKLE **3652 (-1587)**

AP# **15-051-26489**

ELEVATIONS

KB **2065'**

DF

GL **2054'**

Measurements Are All From **Kelly Bushings**

CASING

CONDUCTOR

SURFACE **5.8" at 223'**

PRODUCTION **5.12"**

DIL / CN-CD

MICRO/SONIC

Pioneer

ELECTRICAL SURVEYS

AP# **15-051-26489**

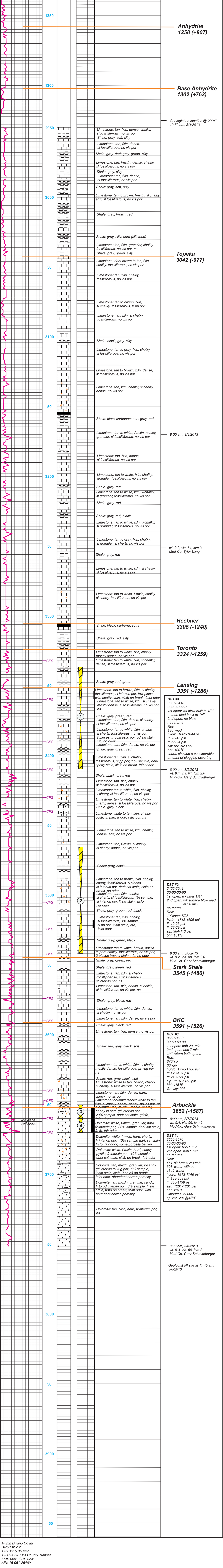
12

REMARKS:

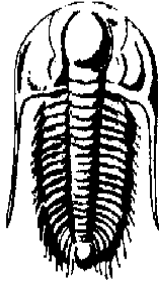
Due to the positive results on the DST #3 and good structural position it is recommended that casing be set to further test this zone.

LEGEND

	Anhydrite		Sandstone		Limestone		Shale		Carb Sh		Cherty LS		Chert		Dolomite
--	-----------	--	-----------	--	-----------	--	-------	--	---------	--	-----------	--	-------	--	----------



Murfin Drilling Co Inc
Befort #1-12
1750 F.S.L & 350 F.W.L
12-15-19w, Ellis County, Kansas
KB=2065', GL=2054'
API: 15-051-26489



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202-1216

ATTN: Michel Runnion

Befort #1-12

12-15s-19w Ellis,KS

Start Date: 2013.03.05 @ 02:41:00

End Date: 2013.03.05 @ 09:39:54

Job Ticket #: 50363 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.11 @ 13:25:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N Water Ste 300
 Wichita KS 67202-1216
 ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
 Job Ticket: 50363 **DST#: 1**
 Test Start: 2013.03.05 @ 02:41:00

GENERAL INFORMATION:

Formation: **LKC A-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:58:10
 Time Test Ended: 09:39:54
 Interval: **3337.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2065.00 ft (KB)
 2054.00 ft (CF)
 KB to GR/CF: 11.00 ft

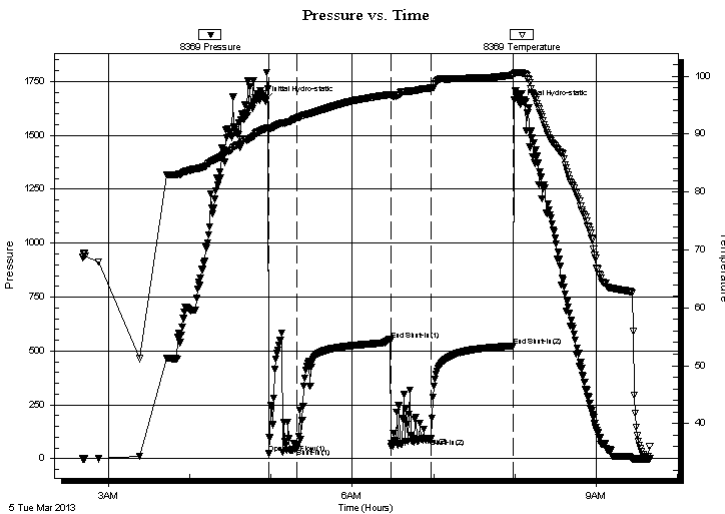
Serial #: 8369

Inside

Press @ Run Depth: 94.22 psig @ 3343.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.05 End Date: 2013.03.05 Last Calib.: 2013.03.05
 Start Time: 02:41:00 End Time: 09:39:54 Time On Btm: 2013.03.05 @ 04:55:25
 Time Off Btm: 2013.03.05 @ 08:04:09

TEST COMMENT: 30-IFP-w k bl thru-out 1/2" to 1/4" bl
 60-ISIP-no bl
 30-FFP-no bl
 60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.27	90.88	Initial Hydro-static
3	23.60	90.70	Open To Flow (1)
24	46.69	92.81	Shut-In(1)
93	551.49	96.82	End Shut-In(1)
94	56.31	96.65	Open To Flow (2)
123	94.22	97.96	Shut-In(2)
184	523.38	100.19	End Shut-In(2)
189	1644.06	100.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud	0.64

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50363 **DST#: 1**
Test Start: 2013.03.05 @ 02:41:00

Tool Information

Drill Pipe:	Length: 3150.00 ft	Diameter: 3.80 inches	Volume: 44.19 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3337.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	96.00 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			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Safety Joint	2.00			3327.00	
Packer	5.00			3332.00	23.00 Bottom Of Top Packer
Packer	5.00			3337.00	
Stubb	1.00			3338.00	
Perforations	5.00			3343.00	
Recorder	0.00	8369	Inside	3343.00	
Recorder	0.00	8700	Outside	3343.00	
Blank Spacing	64.00			3407.00	
Bullnose	3.00			3410.00	73.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50363 **DST#: 1**
Test Start: 2013.03.05 @ 02:41:00

Mud and Cushion Information

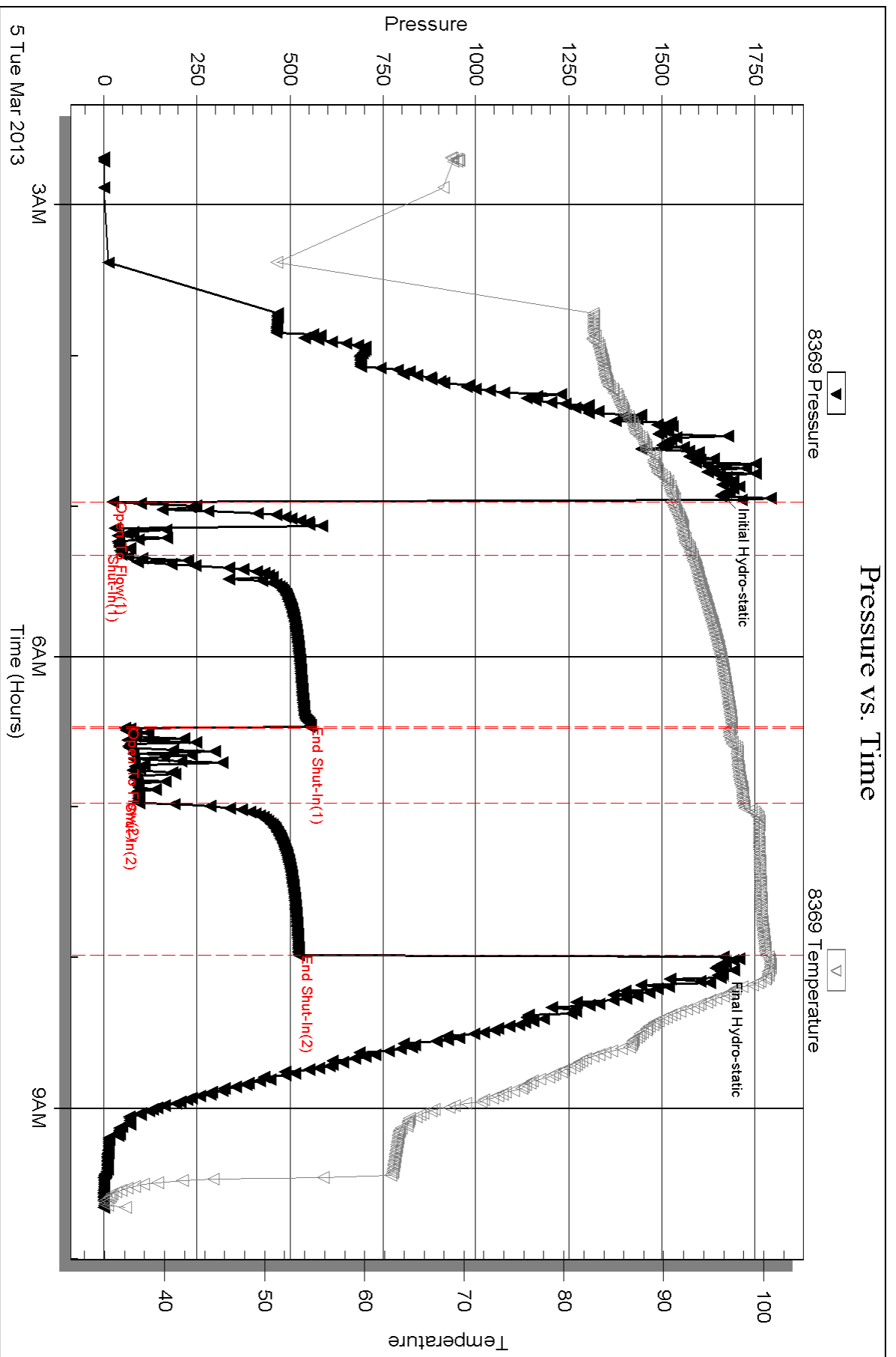
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.15 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud	0.639

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:

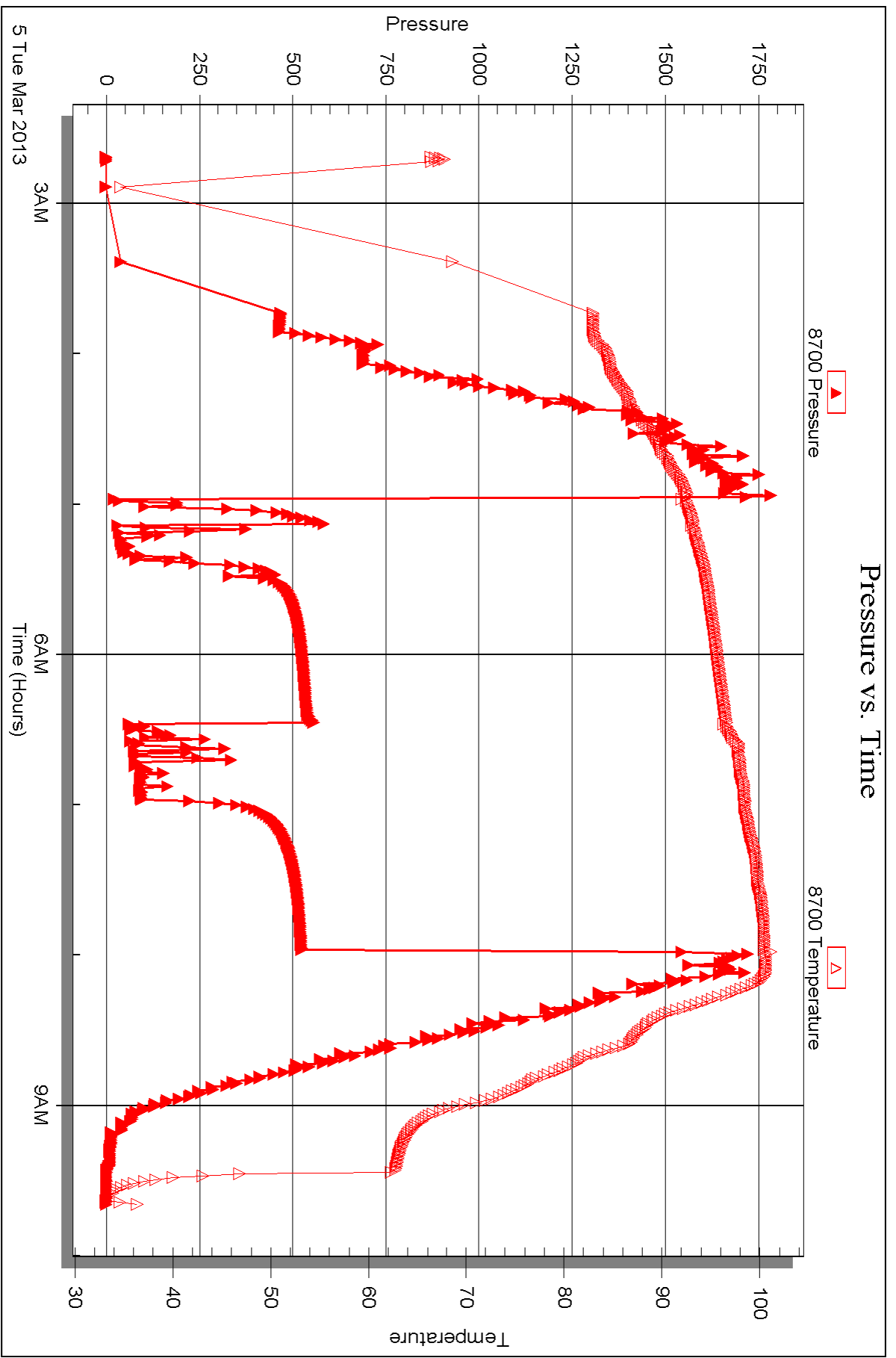


Serial #: 8700

Outside Murfin Drilling Co Inc

Before: #1-12

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50363

Printed: 2013.03.11 @ 13:25:10



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202-1216

ATTN: Michel Runnion

Befort #1-12

12-15s-19w Ellis,KS

Start Date: 2013.03.06 @ 02:50:20

End Date: 2013.03.06 @ 09:02:29

Job Ticket #: 50364 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.11 @ 13:24:23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N Water Ste 300
 Wichita KS 67202-1216
 ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
 Job Ticket: 50364 **DST#: 2**
 Test Start: 2013.03.06 @ 02:50:20

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:17:00
 Time Test Ended: 09:02:29
 Interval: **3466.00 ft (KB) To 3542.00 ft (KB) (TVD)**
 Total Depth: 3542.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2065.00 ft (KB)
 2054.00 ft (CF)
 KB to GR/CF: 11.00 ft

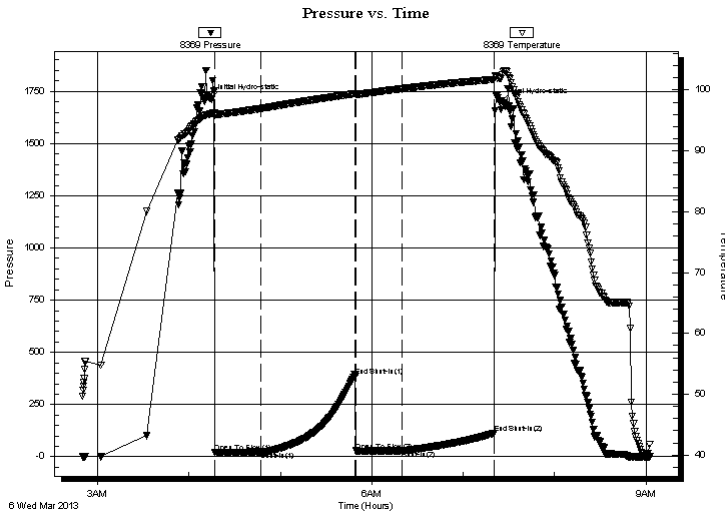
Serial #: 8369

Inside

Press @ Run Depth: 29.04 psig @ 3475.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.06 End Date: 2013.03.06 Last Calib.: 2013.03.06
 Start Time: 02:50:20 End Time: 09:02:29 Time On Btm: 2013.03.06 @ 04:14:30
 Time Off Btm: 2013.03.06 @ 07:24:14

TEST COMMENT: 30-IFP-w k bl thru-out 1/4" bl
 60-ISIP-no bl
 30-FFP-surface bl, died in 20 min
 60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.57	96.10	Initial Hydro-static
3	19.84	95.83	Open To Flow (1)
33	23.98	96.97	Shut-In(1)
95	384.74	99.42	End Shut-In(1)
95	28.27	99.30	Open To Flow (2)
125	29.04	100.23	Shut-In(2)
186	113.51	101.77	End Shut-In(2)
190	1696.46	101.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 5% O95%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 Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50364 **DST#: 2**
Test Start: 2013.03.06 @ 02:50:20

Tool Information

Drill Pipe:	Length: 3274.00 ft	Diameter: 3.80 inches	Volume: 45.93 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 46.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3466.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	99.00 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			3444.00	
Shut In Tool	5.00			3449.00	
Hydraulic tool	5.00			3454.00	
Safety Joint	2.00			3456.00	
Packer	5.00			3461.00	23.00 Bottom Of Top Packer
Packer	5.00			3466.00	
Stubb	1.00			3467.00	
Perforations	8.00			3475.00	
Recorder	0.00	8369	Inside	3475.00	
Recorder	0.00	8700	Outside	3475.00	
Blank Spacing	64.00			3539.00	
Bullnose	3.00			3542.00	76.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50364 **DST#: 2**
Test Start: 2013.03.06 @ 02:50:20

Mud and Cushion Information

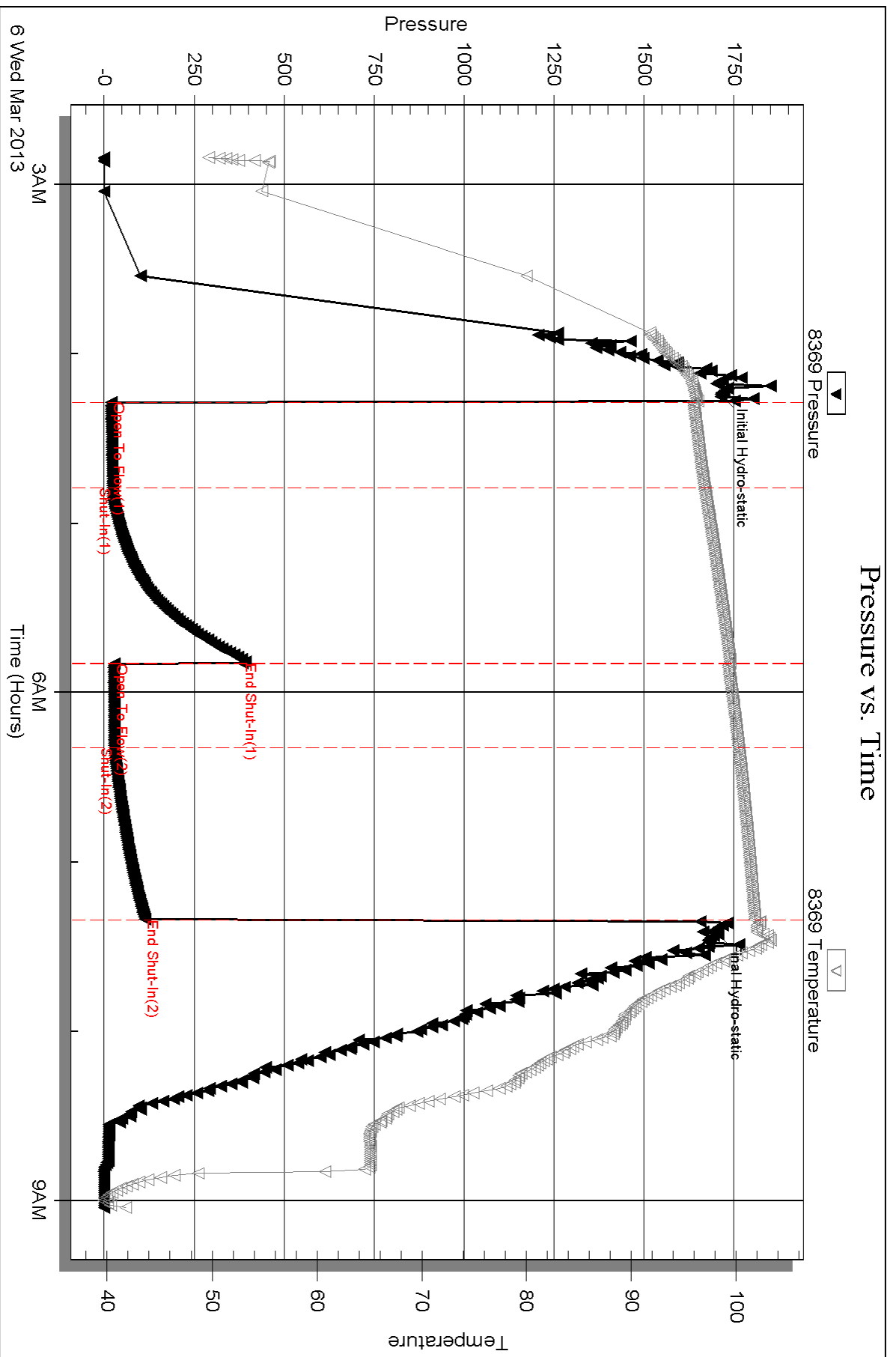
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

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

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

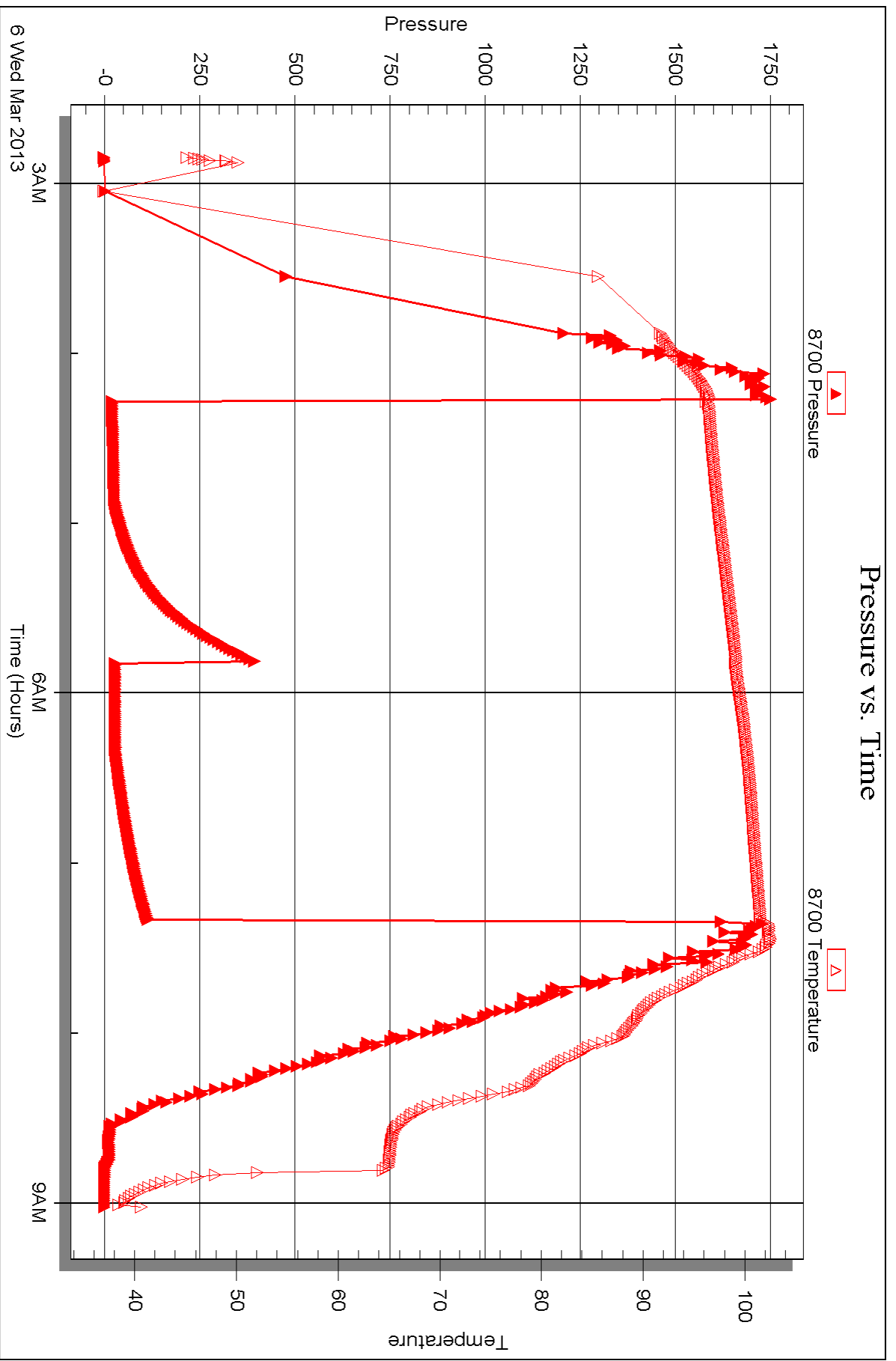


Serial #: 8700

Outside Murfin Drilling Co Inc

Beform#1-12

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202-1216

ATTN: Michel Runnion

Befort #1-12

12-15s-19w Ellis,KS

Start Date: 2013.03.07 @ 01:05:32

End Date: 2013.03.07 @ 09:14:41

Job Ticket #: 50366 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.11 @ 13:23:37



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
 250 N Water Ste 300
 Wichita KS 67202-1216
 ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
 Job Ticket: 50366 **DST#: 3**
 Test Start: 2013.03.07 @ 01:05:32

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 02:40:57
 Tester: Ray Schwager
 Time Test Ended: 09:14:41
 Unit No: 42
 Interval: **2660.00 ft (KB) To 3670.00 ft (KB) (TVD)**
 Reference Elevations: 2065.00 ft (KB)
 Total Depth: 3670.00 ft (KB) (TVD)
 2054.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 11.00 ft

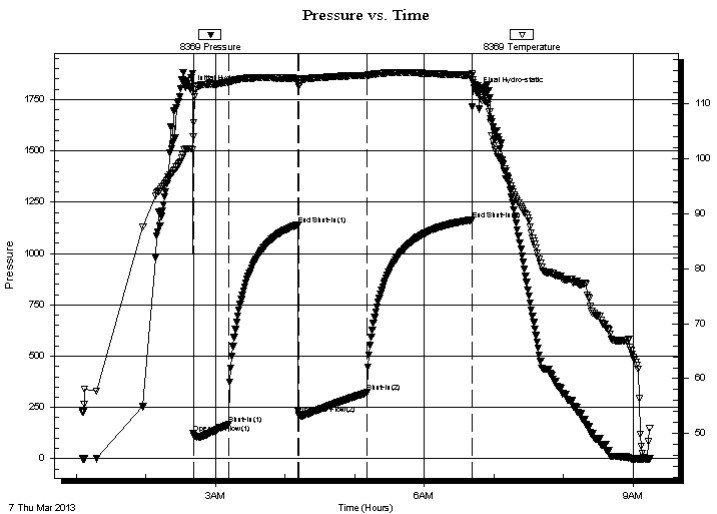
Serial #: 8369

Inside

Press @ Run Depth: 321.98 psig @ 3651.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.07 End Date: 2013.03.07 Last Calib.: 2013.03.07
 Start Time: 01:05:32 End Time: 09:14:41 Time On Btm: 2013.03.07 @ 02:38:42
 Time Off Btm: 2013.03.07 @ 06:44:56

TEST COMMENT: 30-IFP-w k to strg in 20 min
 60-ISIP-1/4" bl bk
 60-FFP-w k to strg in 7 min
 90-FSIP-1/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.95	101.89	Initial Hydro-static
3	123.73	104.05	Open To Flow (1)
33	167.39	113.98	Shut-In(1)
93	1137.63	114.65	End Shut-In(1)
93	218.20	113.12	Open To Flow (2)
152	321.98	115.19	Shut-In(2)
243	1163.48	115.21	End Shut-In(2)
247	1786.58	112.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
870.00	CO	10.56
0.00	60'GiP	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 Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Befort #1-12
Job Ticket: 50366 **DST#: 3**
Test Start: 2013.03.07 @ 01:05:32

Tool Information

Drill Pipe:	Length: 3469.00 ft	Diameter: 3.80 inches	Volume: 48.66 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 49.55 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3650.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	33.00 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			3628.00	
Shut In Tool	5.00			3633.00	
Hydraulic tool	5.00			3638.00	
Safety Joint	2.00			3640.00	
Packer	5.00			3645.00	23.00 Bottom Of Top Packer
Packer	5.00			3650.00	
Stubb	1.00			3651.00	
Recorder	0.00	8369	Inside	3651.00	
Recorder	0.00	8700	Outside	3651.00	
Perforations	6.00			3657.00	
Bullnose	3.00			3660.00	10.00 Bottom Packers & Anchor

Total Tool Length: 33.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50366 **DST#: 3**
Test Start: 2013.03.07 @ 01:05:32

Mud and Cushion Information

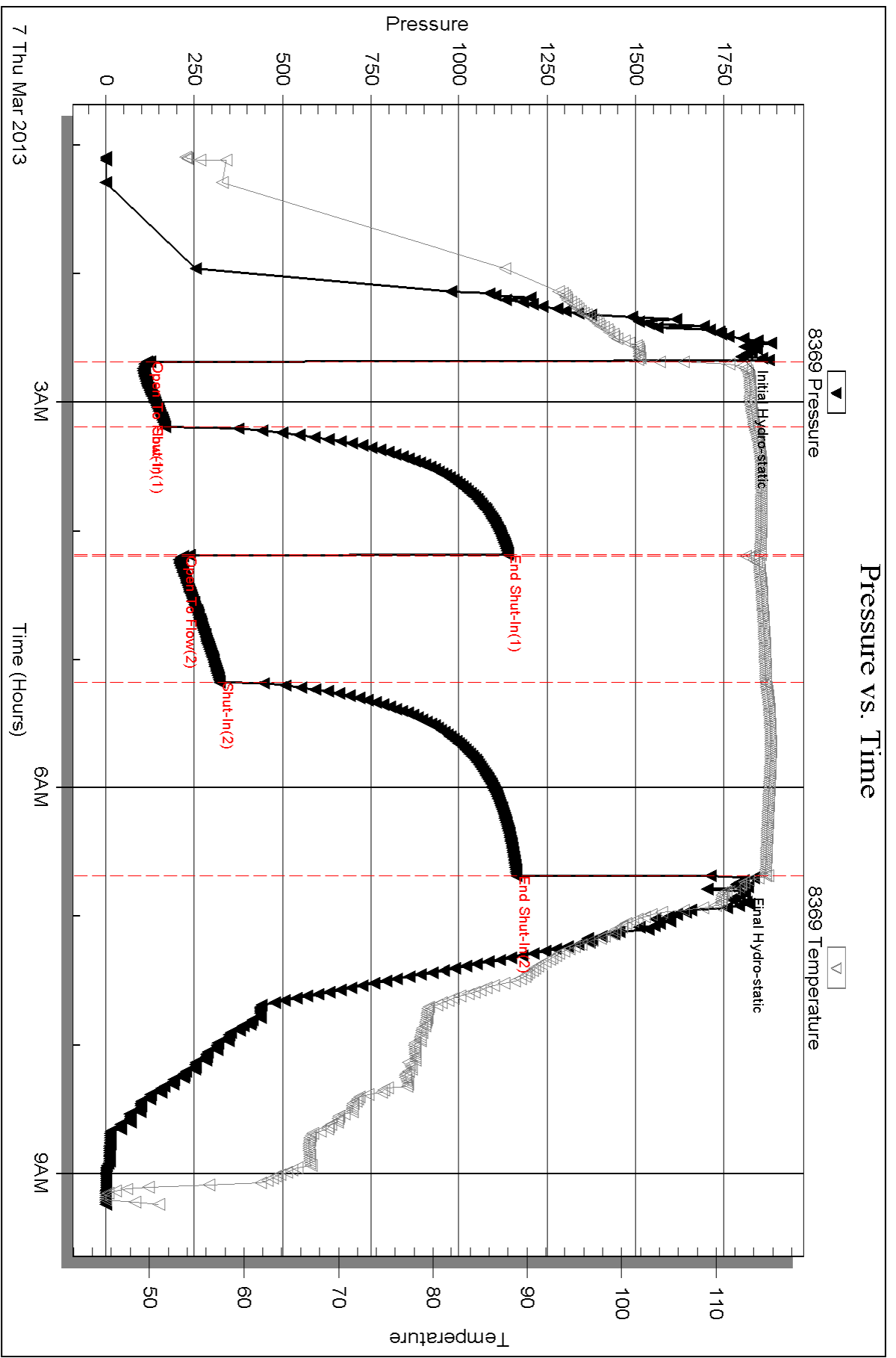
Mud Type: Gel Chem	Cushion Type:	Oil API: 22 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3900.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
870.00	CO	10.564
0.00	60'GiP	0.000

Total Length: 870.00 ft Total Volume: 10.564 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

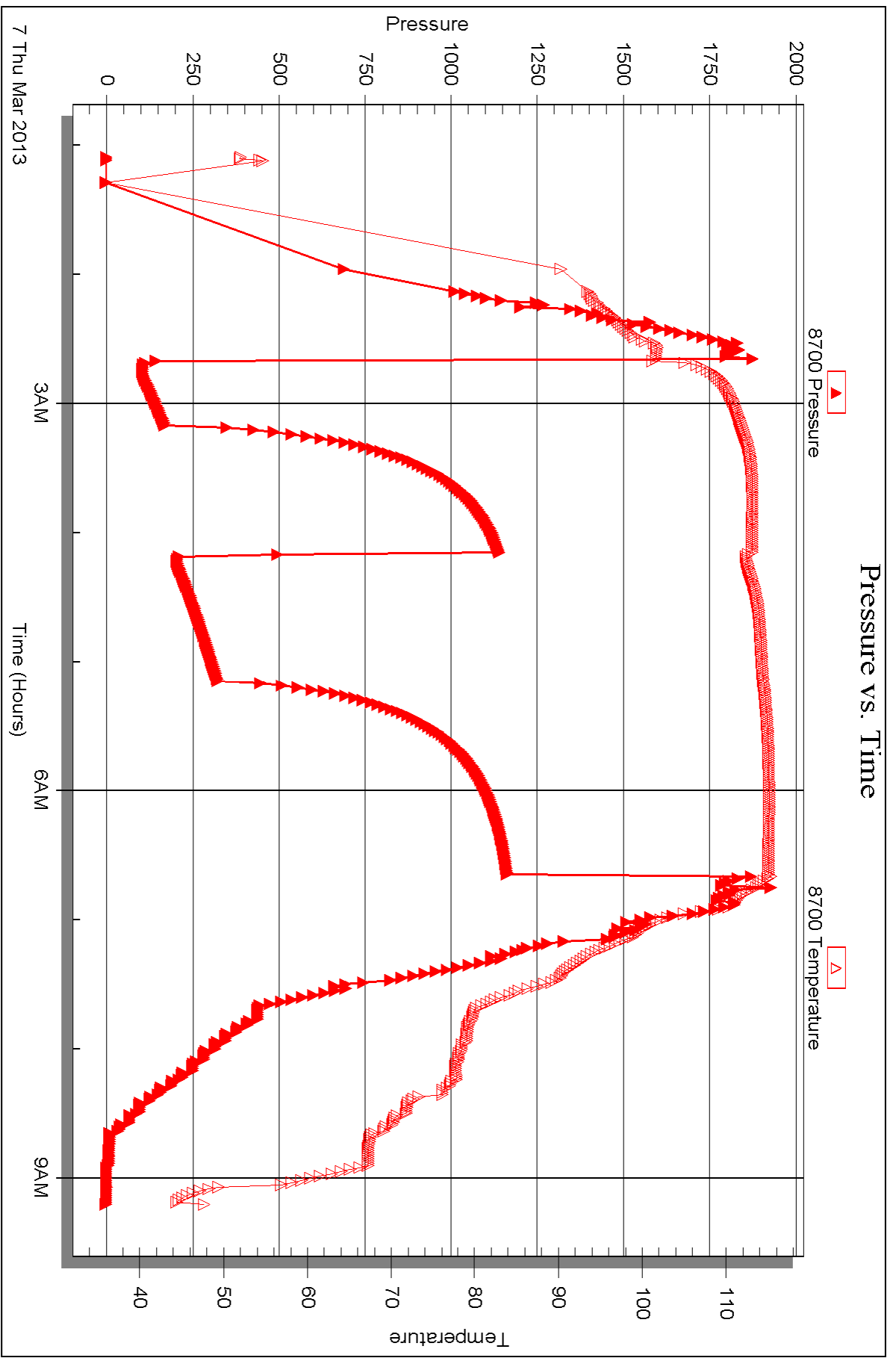


Serial #: 8700

Outside Murfin Drilling Co Inc

Beformt#1-12

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 50366

Printed: 2013.03.11 @ 13:23:40



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202-1216

ATTN: Michel Runnion

Befort #1-12

12-15s-19w Ellis,KS

Start Date: 2013.03.07 @ 15:03:00

End Date: 2013.03.07 @ 21:57:00

Job Ticket #: 50366 DST #: 4

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

Printed: 2013.03.11 @ 13:22:10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50366 **DST#: 4**
Test Start: 2013.03.07 @ 15:03:00

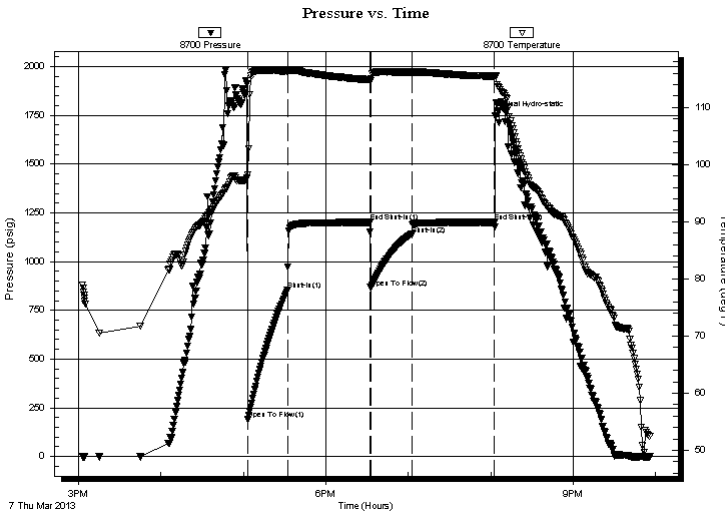
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:03:00
Time Test Ended: 21:57:00
Interval: **3660.00 ft (KB) To 3670.00 ft (KB) (TVD)**
Total Depth: 3670.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 42
Reference Elevations: 2065.00 ft (KB)
2054.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8700 Outside
Press @ Run Depth: 1139.74 psig @ 3667.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.03.07 End Date: 2013.03.07 Last Calib.: 2013.03.07
Start Time: 15:03:05 End Time: 21:55:29 Time On Btm: 2013.03.07 @ 17:02:30
Time Off Btm: 2013.03.07 @ 20:03:30

TEST COMMENT: 30-IFP- BOB in 1min.
60-ISIP- No Return
30-FFP- BOB in 1min.
60-FSIP- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.89	97.59	Initial Hydro-static
1	188.74	98.25	Open To Flow (1)
30	853.70	116.37	Shut-In(1)
90	1201.29	114.82	End Shut-In(1)
90	866.27	114.66	Open To Flow (2)
120	1139.74	116.14	Shut-In(2)
181	1201.70	115.42	End Shut-In(2)
181	1746.38	115.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1349.00	Water 100%	17.28
693.00	Water - Show of Oil 100%	9.72
461.00	OMCW 2%o 30% m 68% w	6.47

* 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 Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Before #1-12
Job Ticket: 50366 **DST#: 4**
Test Start: 2013.03.07 @ 15:03:00

Tool Information

Drill Pipe:	Length: 3463.00 ft	Diameter: 3.80 inches	Volume: 48.58 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume: 49.47 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3660.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	33.00 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			3638.00	
Shut In Tool	5.00			3643.00	
Hydraulic tool	5.00			3648.00	
Safety Joint	2.00			3650.00	
Packer	5.00			3655.00	23.00 Bottom Of Top Packer
Packer	5.00			3660.00	
Stubb	1.00			3661.00	
Perforations	6.00			3667.00	
Recorder	0.00	8369	Inside	3667.00	
Recorder	0.00	8700	Outside	3667.00	
Bullnose	3.00			3670.00	10.00 Bottom Packers & Anchor

Total Tool Length: 33.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc
250 N Water Ste 300
Wichita KS 67202-1216
ATTN: Michel Runnion

12-15s-19w Ellis,KS
Befort #1-12
Job Ticket: 50366 **DST#: 4**
Test Start: 2013.03.07 @ 15:03:00

Mud and Cushion Information

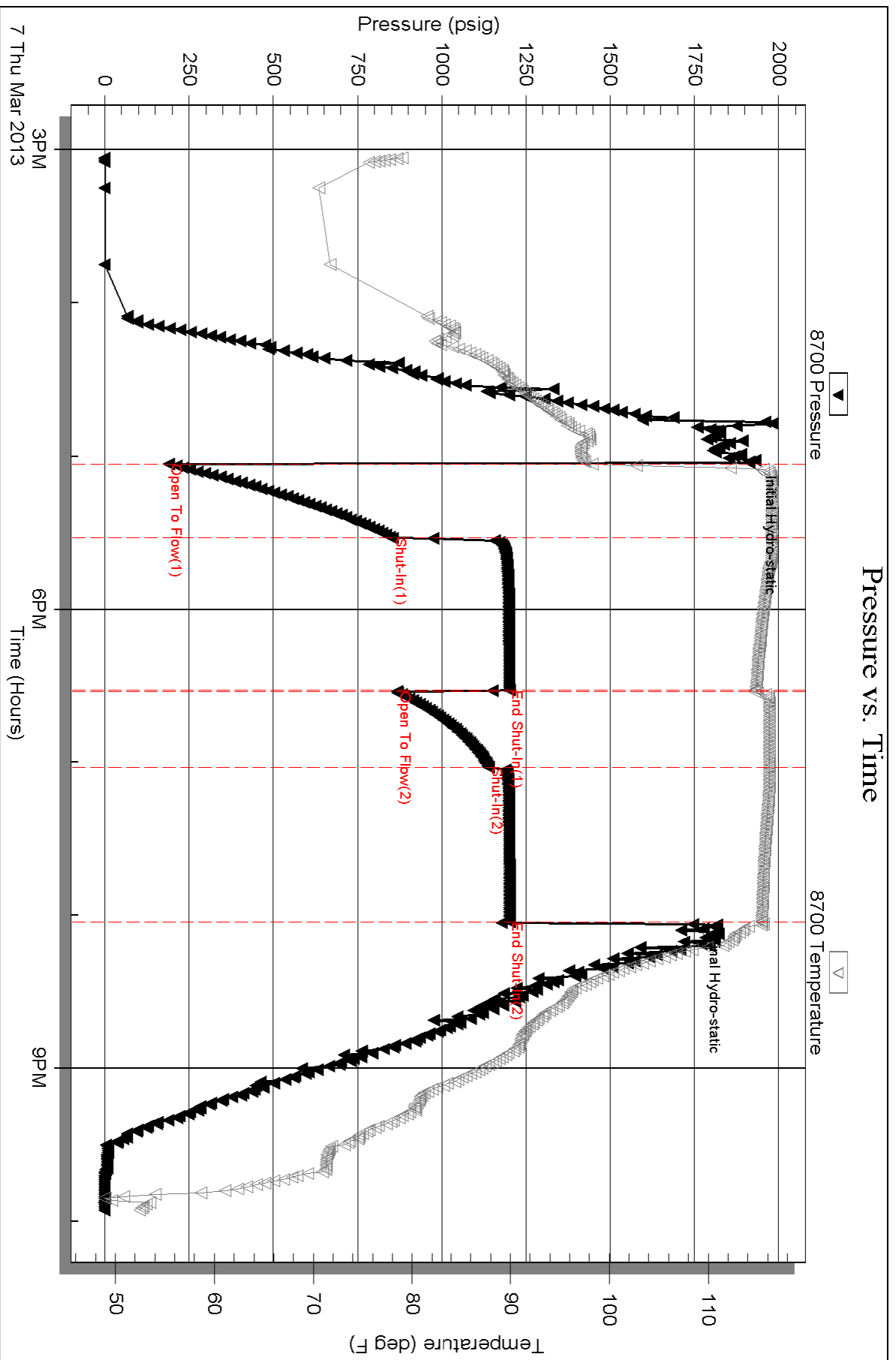
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	63000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1349.00	Water 100%	17.283
693.00	Water - Show of Oil 100%	9.721
461.00	OMCW 2%o 30%m 68%w	6.467

Total Length: 2503.00 ft Total Volume: 33.471 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .201 @ 42



Serial #: 8369

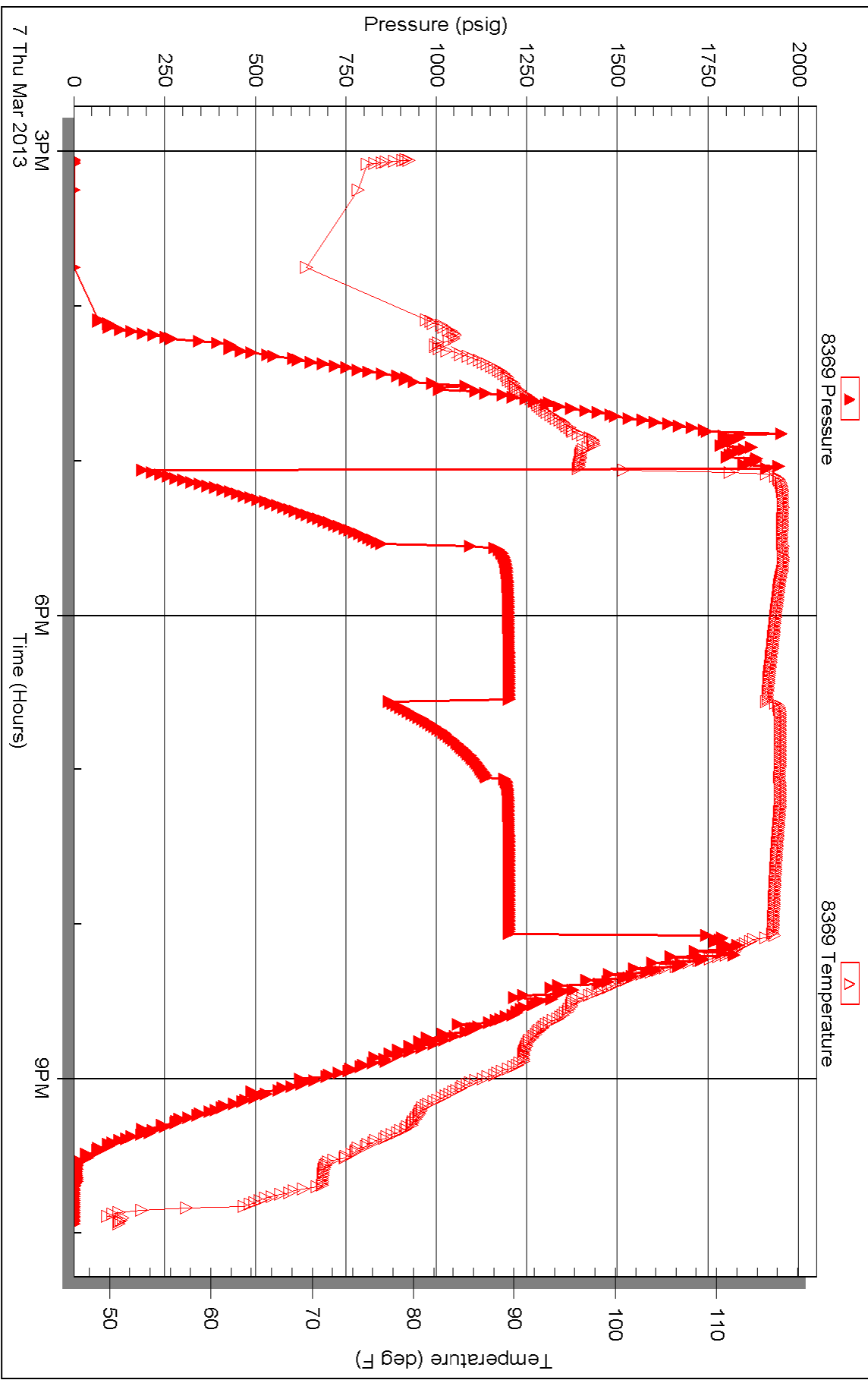
Inside

Murfin Drilling Co Inc

Beform#1-12

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50366

Printed: 2013.03.11 @ 13:22:13



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50363

4/10

Well Name & No. Befort #1-12 Test No. 1 Date 3-5-13
 Company Murfin Drilling Co Inc Elevation 2065 KB 2054 GL
 Address 250 N. WATER, STE 300 WICHITA, KS 67202-1216
 Co. Rep / Geo. Robert Hendrix Rig Murfin rig 2
 Location: Sec. 12 Twp. 15^s Rge. 19^w Co. Ellis State Ks

Interval Tested 3337-3410 Zone Tested LKC A-D
 Anchor Length 73 Drill Pipe Run 3150 Mud Wt. 9.2
 Top Packer Depth 3332 Drill Collars Run 180 Vis 58
 Bottom Packer Depth 3337 Wt. Pipe Run - WL 7.2
 Total Depth 3410 Chlorides 3700 ppm System LCM 3#

Blow Description IFP - Weak Blow thru-out 1/2" To 1/4" Blow
ISTP - NO Blow
FFP - NO Blow
FBIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>Mud</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

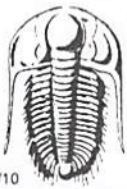
Rec Total 130 BHT 100 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1662 Test 1150 T-On Location 0050
 (B) First Initial Flow 23 Jars T-Started 0240
 (C) First Final Flow 46 Safety Joint 75 T-Open 0500
 (D) Initial Shut-In 551 Circ Sub T-Pulled 0800
 (E) Second Initial Flow 56 Hourly Standby T-Out 0939
 (F) Second Final Flow 94 Mileage 28 RT 43.40 Comments _____
 (G) Final Shut-In 523 Sampler _____
 (H) Final Hydrostatic 1644 Straddle _____
 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 1268.40 Total 1268.40
 MP/DST Disc't _____

Approved By [Signature] Our Representative Ray Schwager Thank you

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. 50364

4/10

Well Name & No. BeforeT # 1-12 Test No. 2 Date 3-6-13
 Company Murfin Drilling Co Inc Elevation 2065 KB 2054 GL
 Address 250 N. WATER ST 300 WICHITA, Ks 67202-1216
 Co. Rep / Geo. Robert Hendrix Rig Murfin rig 2
 Location: Sec. 12 Twp. 15' Rge. 19^w Co. ELLIS State Ks

Interval Tested 3466-3542 Zone Tested LKC H-J
 Anchor Length 76 Drill Pipe Run 3274 Mud Wt. 9.5
 Top Packer Depth 3461 Drill Collars Run 180 Vis 58
 Bottom Packer Depth 3466 Wt. Pipe Run — WL 6.8
 Total Depth 3542 Chlorides 3900 ppm System LCM 2#

Blow Description IFF - WEAK Blow thru-out 1/4" Blow
ISIP - NO Blow
FFP - WEAK surface Blow, died in 20 min
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>50CM</u>	<u>5</u>		<u>95</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 101 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1713
 (B) First Initial Flow 19
 (C) First Final Flow 23
 (D) Initial Shut-In 384
 (E) Second Initial Flow 28
 (F) Second Final Flow 29
 (G) Final Shut-In 113
 (H) Final Hydrostatic 1696

Test 1150
 Jars
 Safety Joint 75
 Circ Sub
 Hourly Standby
 Mileage 28RT 43.40
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1268.40

T-On Location 0235
 T-Started 0250
 T-Open 0420
 T-Pulled 0720
 T-Out 0902
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1268.40
 MP/DST Disc't _____

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

Approved By [Signature] Our Representative RAY Schwager *Thank you*

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. 50365

Well Name & No. Befort # 1-12 Test No. 3 Date 3-7-13
 Company MURFIN DRILLING Co Inc Elevation 2065 KB 2054 GL
 Address 250 N. WATER ST 300 WICHITA, Ks 67202-1216
 Co. Rep / Geo. Robert Hendrix Rig Murfin rig 2
 Location: Sec. 12 Twp. 15^s Rge. 19^w Co. Ellis State Ks

Interval Tested 3650-3660 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run 3469 Mud Wt. 9.4
 Top Packer Depth 3645 Drill Collars Run 180 Vis 60
 Bottom Packer Depth 3650 Wt. Pipe Run - WL 7.8
 Total Depth 3660 Chlorides 3900 ppm System LCM 2#

Blow Description IFP - WEAK TO STRONG IN 20 MIN
ISIP - 1/4" Blow Back
FFP - WEAK TO STRONG IN 7 MIN
FSIP - 1/4" Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>870</u>	<u>CO</u>				
<u>60</u>	<u>GTP</u>				

Rec Total 870 BHT 115 Gravity 22 API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1798 Test 1150 T-On Location 0045
 (B) First Initial Flow 123 Jars T-Started 0105
 (C) First Final Flow 167 Safety Joint 75 T-Open 0240
 (D) Initial Shut-In 1137 Circ Sub T-Pulled 0640
 (E) Second Initial Flow 218 Hourly Standby T-Out 0914
 (F) Second Final Flow 321 Mileage 28RT 43.40 Comments
 (G) Final Shut-In 1163 Sampler
 (H) Final Hydrostatic 1786 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

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

Approved By [Signature] Our Representative RAY Schwager Thank you
 Sub Total 1268.40

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. 50366

Well Name & No. BeFort # 1-12 Test No. 4 Date 3-7-13
 Company Murfin Drilling Co. Inc Elevation 2065 KB 2054 GL
 Address 250 N. Water Ste 300 Wichita Ks. 67202-1216
 Co. Rep / Geo. Robert Hendrix Rig Murfin Rig #2
 Location: Sec. 12 Twp. 15 S Rge. 19 W Co. Ellis State KS

Interval Tested 3660 - 3670 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run 3463 Mud Wt. 9.4
 Top Packer Depth 3655 Drill Collars Run 180 Vis 58
 Bottom Packer Depth 3660 Wt. Pipe Run 0 WL 7.8
 Total Depth 3670 Chlorides 3800 ppm System LCM 2

Blow Description IFP - BOB in 1min.
ISIP - No Return
FFP - BOB in 1min.
FSIP - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1349</u>	<u>Water</u>		<u>100</u>		
<u>693</u>	<u>Water - show of Oil</u>		<u>100</u>		
<u>461</u>	<u>OMCW</u>	<u>2</u>	<u>68</u>	<u>30</u>	

Rec Total 2503 BHT 115 Gravity _____ API RW 201 @ 42 ° F Chlorides 63,000 ppm

(A) Initial Hydrostatic 1913 Test 1150 T-On Location 14:58
 (B) First Initial Flow 188 Jars T-Started 15:03
 (C) First Final Flow 853 Safety Joint 75 T-Open 17:04
 (D) Initial Shut-In 1201 Circ Sub T-Pulled 20:04
 (E) Second Initial Flow 866 Hourly Standby T-Out 21:57
 (F) Second Final Flow 1139 Mileage 28RT 43.40 Comments _____
 (G) Final Shut-In 1201 Sampler _____
 (H) Final Hydrostatic 1746 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 60 Extra Packer _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1268.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1268.40

Approved By _____ Our Representative [Signature]

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



PO Box 93999
Southlake, TX 76092

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

*acct.
Prod - LH*

INVOICE

Invoice Number: 135134

Invoice Date: Mar 1, 2013

Page: 1

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	59359	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Mar 1, 2013	3/31/13

Quantity	Item	Description	Unit Price	Amount
		Before #1-12		
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
188.74	SER	Cubic Feet	2.48	468.07
103.36	SER	Ton Mileage	2.60	268.94
1.00	SER	Surface	1,512.25	1,512.25
12.00	SER	Pump Truck Mileage	7.70	92.40
12.00	SER	Light Vehicle Mileage	4.40	52.80
1.00	CEMENTER	Dustin Chambers		
1.00	EQUIP OPER	Joshua Isaac		
1.00	OPER ASSIST	Kevin Weighous		
1.00	EQUIP OPER	Mike Scothorn		

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

\$ 2,093.40

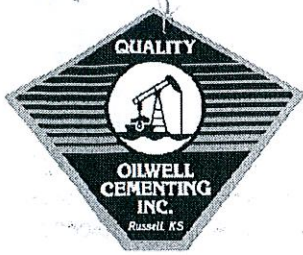
ONLY IF PAID ON OR BEFORE
Mar 26, 2013

Subtotal	5,981.16
Sales Tax	225.96
Total Invoice Amount	6,207.12
Payment/Credit Applied	
TOTAL	6,207.12

- 2093.40

4113.72

DKR



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 3/25/2013
 Invoice # 6465

P.O.#:
 Due Date: 4/24/2013
 Division: Russell

Invoice

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

USED FOR FC 103
 APPROVED [Signature]

*Acctg -
 cc: WT
 cc: Liz
 cc: L-1*

Reference:
 BEFORT 1-12

Description of Work:
 PORT COLLAR

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
mon, MetsoBeads, Plater, Gel, FloSeal, Calcium)	250	\$ 5,189.71	Yes				
Bulk Truck Matl-Material Service Charge	450	\$ 977.14	No				
Common-Class A	60	\$ 816.89	Yes				
POZ Mix-Standard	40	\$ 199.77	Yes				
Flo Seal	62	\$ 134.63	Yes				
Pump Truck Mileage-Job to Nearest Camp	11	\$ 119.19	No				
Premium Gel (Bentonite)	4	\$ 70.70	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	11	\$ 69.75	No				

Invoice Terms:
 Net 30

SubTotal: \$ 8,569.17
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,285.38)

SubTotal for Taxable Items: \$ 5,449.95
 SubTotal for Non-Taxable Items: \$ 1,833.85
 Total: \$ 7,283.79
 Tax: \$ 343.35

6.30% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 7,627.14
Applied Payments:
Balance Due: \$ 7,627.14

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 6465

Phone 785-483-2025
Cell 785-324-1041

Date	3.21.13	Sec.	Twp.	Range	County	State	On Location	Finish
					Ellis	KS		1:30p.m.
Location					Antonio 1/25 Einto			

Lease	Stewart Befort	Well No.	1-12	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Stewart Well Service	Type Job	Port Collar	Charge To	Murfin Drlg
Hole Size	7 7/8	T.D.		Street	
Csg.	5 1/2	Depth		City	State
Tbg. Size	2 3/8	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	Port Collar	Depth	1273	Cement Amount Ordered	250 QMDC 1/4 F10
Cement Left in Csg.		Shoe Joint			56EL
Meas Line		Displace	5BCL	Common	60 200 60/40 60/20 60EL 1/4 F10

EQUIPMENT			
Pumptrk	9	No. Cementer	raig
		Helper	
Bulktrk	8	No. Driver	David L.
		Driver	
Bulktrk	3	No. Driver	Billy
		Driver	

Remarks:	KCC Pat Staab	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	62#
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	450
		Mileage	

ATPS + 5'1/2 to 1000ft. Open tool & pump 56EL & 350SK cement did not circulate. Close tool & pressure to 1100ft. Run 5 joints & wash clean.

Mixed 250SK QMDC 1/4 F10
100 60/40 60/20 60EL 1/4 F10

		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		Pumptrk Charge	port collar
		Mileage	11

X Signature *Mud Bollore*

Tax
Discount
Total Charge



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 3/25/2013
 Invoice # 6468
 P.O.#:
 Due Date: 4/24/2013
 Division: Russell

Invoice

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

Acctg -
 α: WT
 α: L-1
 α: L-1

USED FOR Jc 103
 APPROVED [Signature]

Reference:
 BEFORT 1-12

Description of Work:
 CIRCULATE CEMENT

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	36	\$ 490.13	Yes				
Bulk Truck Mat-Material Service Charge	150	\$ 325.71	No				
POZ Mix-Standard	24	\$ 119.86	Yes				
Pump Truck Mileage-Job to Nearest Camp	11	\$ 119.19	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	11	\$ 69.75	No				
Premium Gel (Bentonite)	1	\$ 17.68	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 2,133.71
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (320.06)

SubTotal for Taxable Items:	\$ 533.52
SubTotal for Non-Taxable Items:	\$ 1,280.13
Total:	\$ 1,813.65
Tax:	\$ 33.61

6.30% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 1,847.26
Applied Payments:
Balance Due: \$ 1,847.26

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6468

Date	3-22-13	Sec.	Twp.	Range	County	State	On Location	Finish
					Ellis	KS		11:30A.m.
					Location Antonio 1/2 SE into			

Lease	Befort	Well No.	1-12	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Stewart Well Service				
Type Job	1" Backside				
Hole Size	7 7/8	T.D.			
Csg.	5 1/2	Depth			
Tbg. Size		Depth			
Tool		Depth			
Cement Left in Csg.		Shoe Joint	Cement Amount Ordered 150 60/40 6 1/2 GEL		

Meas Line Displace ***USED 60 SK***

EQUIPMENT				Common
Pumptrk	9	No.	Cement Helper <i>Smig</i>	36
Bulktrk		No.	Driver <i>Cozy</i>	Poz. Mix 24
Bulktrk	8	No.	Driver <i>Smig</i>	Gel.
			Driver	Calcium

JOB SERVICES & REMARKS

Remarks: *KCC Pat Staab*

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

1" ran to 450' mix 50 SK + Cement Circulated!

TOP OFF 10 SK

USED 60 SK

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge *Cir Cement*

Mileage *11*

X Signature *Mark Poplar*

Tax

Discount

Total Charge

Acctg -
cc: WF
: Liz
: 6-1



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 3/12/2013
 Invoice # 6456
 P.O.#:
 Due Date: 4/11/2013
 Division: Russell

Invoice

USED FOR IC 103
 APPROVED [Signature]

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

Reference:
 BEFORT 1-12

Description of Work:
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No	Latch Down Plug & Baffle, 5 1/2"	1	\$243.20	Yes
Common-Class A	200	\$ 2,722.97	Yes	Pump Truck Mileage-Job to Nearest Camp	12	\$130.03	No
Cement Port Collar, 5 1/2"	1	\$ 2,714.29	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	12	\$76.09	No
Gilsonite	1000	\$ 1,628.57	Yes				
5 1/2" Turbolizer	15	\$ 944.57	Yes				
Bulk Truck Matl-Material Service Charge	227	\$ 492.91	No				
Mud Clear	500	\$ 401.71	Yes				
Cement Scratchers Cable Type, 5 1/2"	5	\$ 380.00	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 332.23	Yes				
Salt (Fine)	17	\$ 257.66	Yes				
5 1/2" Basket	1	\$ 249.71	Yes				

Invoice Terms:
 Net 30

SubTotal: \$ 11,565.33

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,734.80)

SubTotal for Taxable Items: \$ 8,393.68

SubTotal for Non-Taxable Items: \$ 1,436.85

Total: \$ 9,830.53

Tax: \$ 528.80

Amount Due: \$ 10,359.33

Applied Payments:

Balance Due: \$ 10,359.33

6.30% Ellis County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6456

Date	3-8-13	Sec.	12	Twp.	15	Range	19	County	Ellis	State	KS	On Location		Finish	8:45pm.
Location								Antonino 1 1/2 S Binto							
Lease	BEFORT BEFORT			Well No.	1-12			Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Contractor	Murfin #2			Type Job	Production String			Charge To	Murfin Drilling Co						
Hole Size	7 7/8			T.D.	3752			Street							
Csg.	5 1/2 15.50			Depth	3754			City	State						
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Tool	Port Collar			Depth	1318			Cement Amount Ordered	200cm 10% Salt 5% Gilsomite						
Cement Left in Csg.	22.14			Shoe Joint	22.14			Meas Line	Displace 88 3/4 BBL 500gal mud Flush						
EQUIPMENT								Common	300						
Pumptrk	9	No.	Cementer	Craig			Poz. Mix								
Bulktrk		No.	Helper	Cody			Gel.								
Bulktrk	14	No.	Driver	Clayton			Calcium								
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt	17						
Rat Hole	30SK							Flowseal							
Mouse Hole	15SK							Kol-Seal	1000H						
Centralizers								Mud CLR 48	500gal						
Baskets								CFL-117 or CD110 CAF 38							
SAV or Port Collar	#58@1318							Sand							
5 1/2 set @ 3754. Insert @ 3731.86								Handling	2.77						
Est. Circulation. Pump 500gal mud clear								Mileage							
+ 10 BZ water spacer. Plug rather than mousehole. Cement 5 1/2 with 15SK.								FLOAT EQUIPMENT							
Clear lines. Displace Plug. Plug landed @ 1500ft. Hold. Release Pressure Drv.								Guide Shoe	5 1/2						
								Centralizer	15 Turbolizers						
								Baskets	1						
								AFU inserts	Port collar						
								Float Shoe	1						
								Latch Down	1						
								.5 Recid. Scratchers							
								Pumptrk Charge	prod long string						
								Mileage	12						
								Tax							
								Discount							
								Total Charge							
X Signature	[Handwritten Signature]														