



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1141158  
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: \_\_\_\_\_



1141158

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

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

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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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

May 24, 2013

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

Re: ACO1  
API 15-051-26461-00-00  
Honas Farms 1-1  
SW/4 Sec.01-14S-20W  
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 Honas Farms #1-1 700' FSL 950' FWL Sec. 1-T14S-R20W 2233' KB							IA Operating A&E Zimmerman #12-1 2170FSL 1000FEL Sec. 12-T14S-R20W 2199' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1530	+703	-13	1519	+714	-2	1483	+716
B/Anhydrite	1564	+669	-6	1565	-668	-7	1524	+675
Topeka	3252	-1019	-7	3252	-1019	-7	3211	-1012
Heebner	3494	-1261	-6	3495	-1262	-7	3454	-1255
Toronto	3518	-1285	-7	3516	-1283	-5	3477	-1278
Lansing	3540	-1307	-8	3538	-1305	-6	3498	-1299
Stark				3733	-1500	-2	3697	-1498
BKC	3795	-1562	-12	3788	-1555	-5	3749	-1550
Arbuckle	3871	-1638	-31	3872	-1639	-32	3806	-1607
RTD	3971						3900	
LTD				3972			3900	

# Robert D. Hendrix

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY Murfin Drilling Company Inc.

LEASE Honas Farms #1-1

FIELD Sunnyvale

LOCATION 700' TSL & 950' FWL

SEC 1 TWP 14 S RGE 20W

COUNTY Ellis STATE Kansas

CONTRACTOR Murfin Drilling Rig #2

SPUD 2/6/2013 GOMP 2/14/2013

RTD 3/9/13 LID 3972'

MUD UP 2900' TYPE MUD Chemical

SAMPLES SAVED FROM 3145 TO RTD

DRILLING TIME KEPT FROM 3145 TO RTD

SAMPLES EXAMINED FROM 3145 TO RTD

GEOLOGICAL SUPERVISION FROM 3107 TO RTD

GEOLOGIST ON WELL Robert D. Hendrix

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	1527 (-706)	1530 (+703)
Topeka	3357 (+1019)	3357 (+1019)
Heebner Sh.	3495 (+1262)	3494 (+1261)
Lansing	3539 (+1306)	3540 (+1307)
Stark Sh.	3734 (+1501)	3741 (+1508)
BKC	3786 (+1553)	3795 (+1562)
Arbuckle	3871 (+1638)	3871 (+1638)

ELEVATIONS

KB 2233'

DF

GL 2222'

Measurements Are All From Kelly Bushing

CASING

CONDUCTOR SURFACE 8.5/8" @ 225'

PRODUCTION

ELECTRICAL SURVEYS

DIL / CN-CD / MICRO/SO/NIC Pioneer

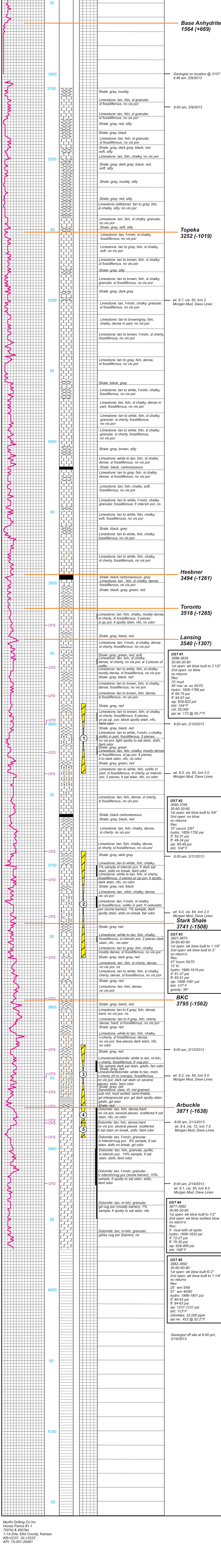


REMARKS:

Due to the negative results on all tests and lack of structure it is recommended that this test be plugged and abandoned.

### LEGEND

	Anhydrite		Sandstone		Limestone		Shale		Carb Sh		Cherty LS		Chert		Dolomite
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## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300  
Wichita KS 67202 + 1216

ATTN: Shauna Gunzelman

**Honas Farms #1-1**

**1-14s-20w Ellis,KS**

Start Date: 2013.02.10 @ 17:11:36

End Date: 2013.02.11 @ 00:00:36

Job Ticket #: 50384                      DST #: 1

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

Printed: 2013.02.26 @ 10:05:22

Murfin Drilling Co  
1-14s-20w Ellis,KS  
Honas Farms #1-1  
DST # 1  
Lansing-D-F  
2013.02.10



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N Water Ste 300  
 Wichita KS 67202 + 1216  
 ATTN: Shauna Gunzelman

**1-14s-20w Ellis, KS**  
**Honas Farms #1-1**  
 Job Ticket: 50384 **DST#: 1**  
 Test Start: 2013.02.10 @ 17:11:36

## GENERAL INFORMATION:

Formation: **Lansing-D-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:05:06  
 Time Test Ended: 00:00:36  
 Interval: **3886.00 ft (KB) To 3635.00 ft (KB) (TVD)**  
 Total Depth: 3635.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jeff Brown  
 Unit No: 44  
 Reference Elevations: 2235.00 ft (KB)  
 2222.00 ft (CF)  
 KB to GR/CF: 13.00 ft

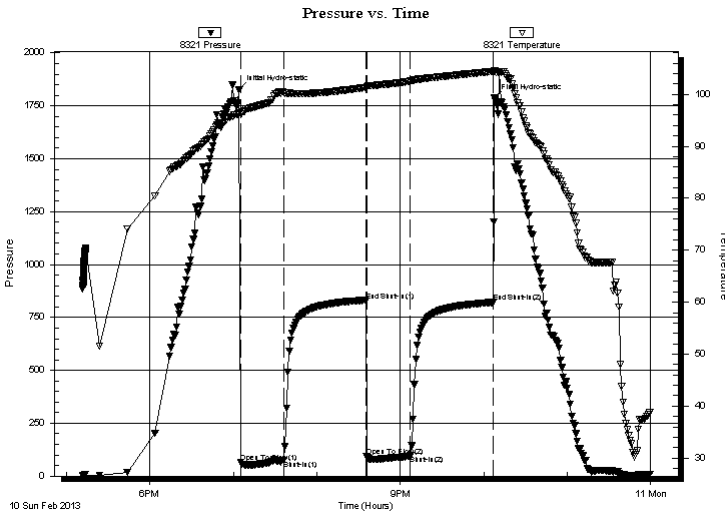
## Serial #: 8321

Outside

Press @ Run Depth: 96.69 psig @ 3622.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.10 End Date: 2013.02.10 Last Calib.: 2013.02.11  
 Start Time: 17:11:37 End Time: 23:59:36 Time On Btm: 2013.02.10 @ 19:04:06  
 Time Off Btm: 2013.02.10 @ 22:07:36

TEST COMMENT: IFP=Weak blow built to 2 1/2"  
 ISI=Dead no blow back  
 FFP=Dead no blow  
 FSI=Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.61	96.36	Initial Hydro-static
1	66.25	96.19	Open To Flow (1)
32	75.05	100.36	Shut-In(1)
91	828.53	101.30	End Shut-In(1)
92	93.68	101.30	Open To Flow (2)
123	96.69	102.53	Shut-In(2)
183	821.62	104.42	End Shut-In(2)
184	1786.30	104.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.34
45.00	MW With oil spots 30%M 70%W	0.22

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co

**1-14s-20w Ellis, KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50384

**DST#: 1**

ATTN: Shauna Gunzelman

Test Start: 2013.02.10 @ 17:11:36

## Tool Information

Drill Pipe:	Length: 3352.00 ft	Diameter: 3.80 inches	Volume: 47.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 231.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: 48.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3586.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3564.00	
Shut In Tool	5.00			3569.00	
Hydraulic tool	5.00			3574.00	
Safety Joint	3.00			3577.00	
Packer	4.00			3581.00	23.00 Bottom Of Top Packer
Packer	5.00			3586.00	
Stubb	1.00			3587.00	
Perforations	2.00			3589.00	
Change Over Sub	1.00			3590.00	
Drill Pipe	31.00			3621.00	
Change Over Sub	1.00			3622.00	
Recorder	0.00	8679	Inside	3622.00	
Recorder	0.00	8321	Outside	3622.00	
Perforations	10.00			3632.00	
Bullnose	3.00			3635.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Murfin Drilling Co

**1-14s-20w Ellis,KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50384

**DST#: 1**

ATTN: Shauna Gunzelman

Test Start: 2013.02.10 @ 17:11:36

### 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 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.344
45.00	MW With oil spots 30%M 70%W	0.221

Total Length: 115.00 ft

Total Volume: 0.565 bbl

Num Fluid Samples: 0

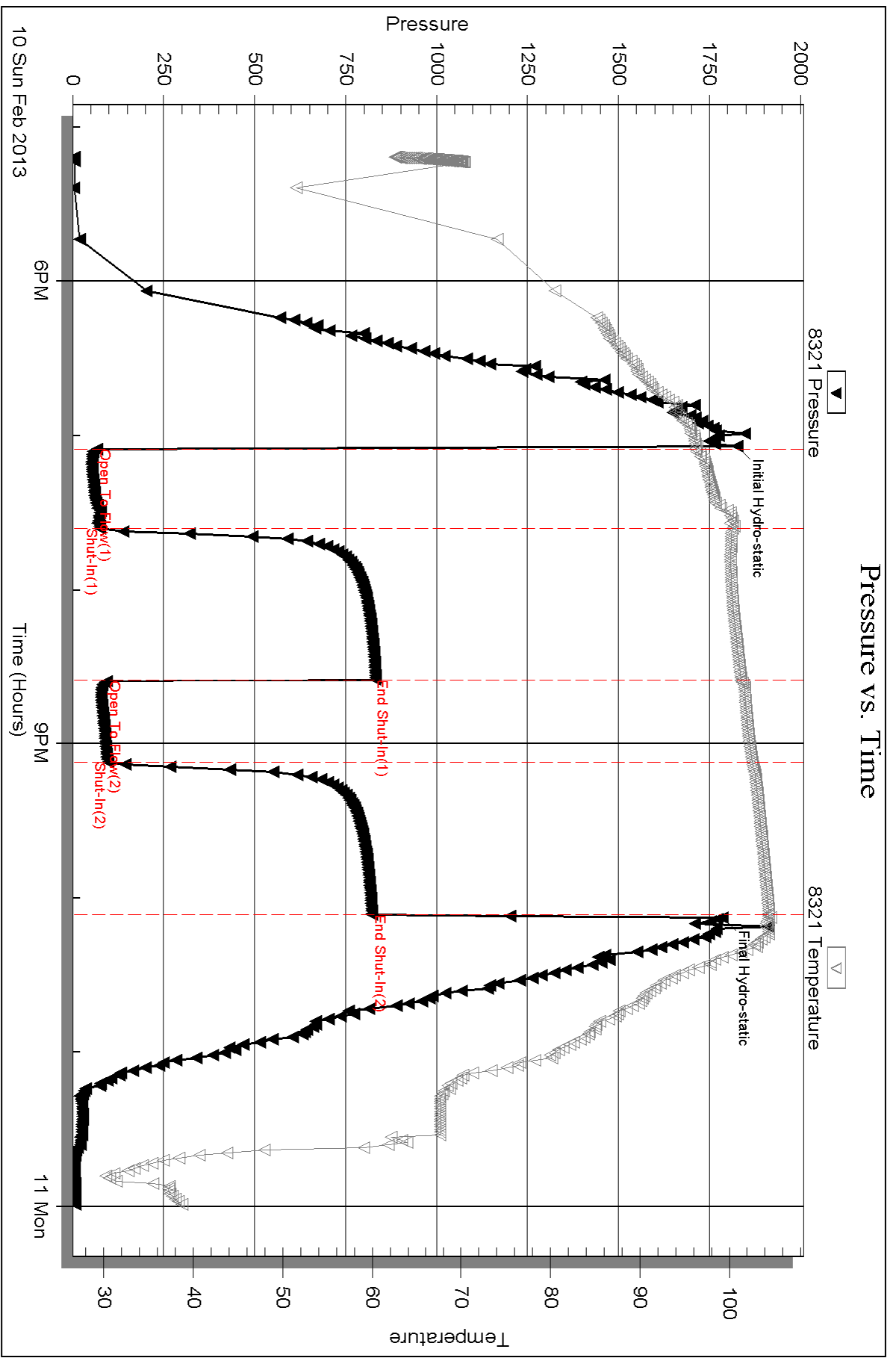
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



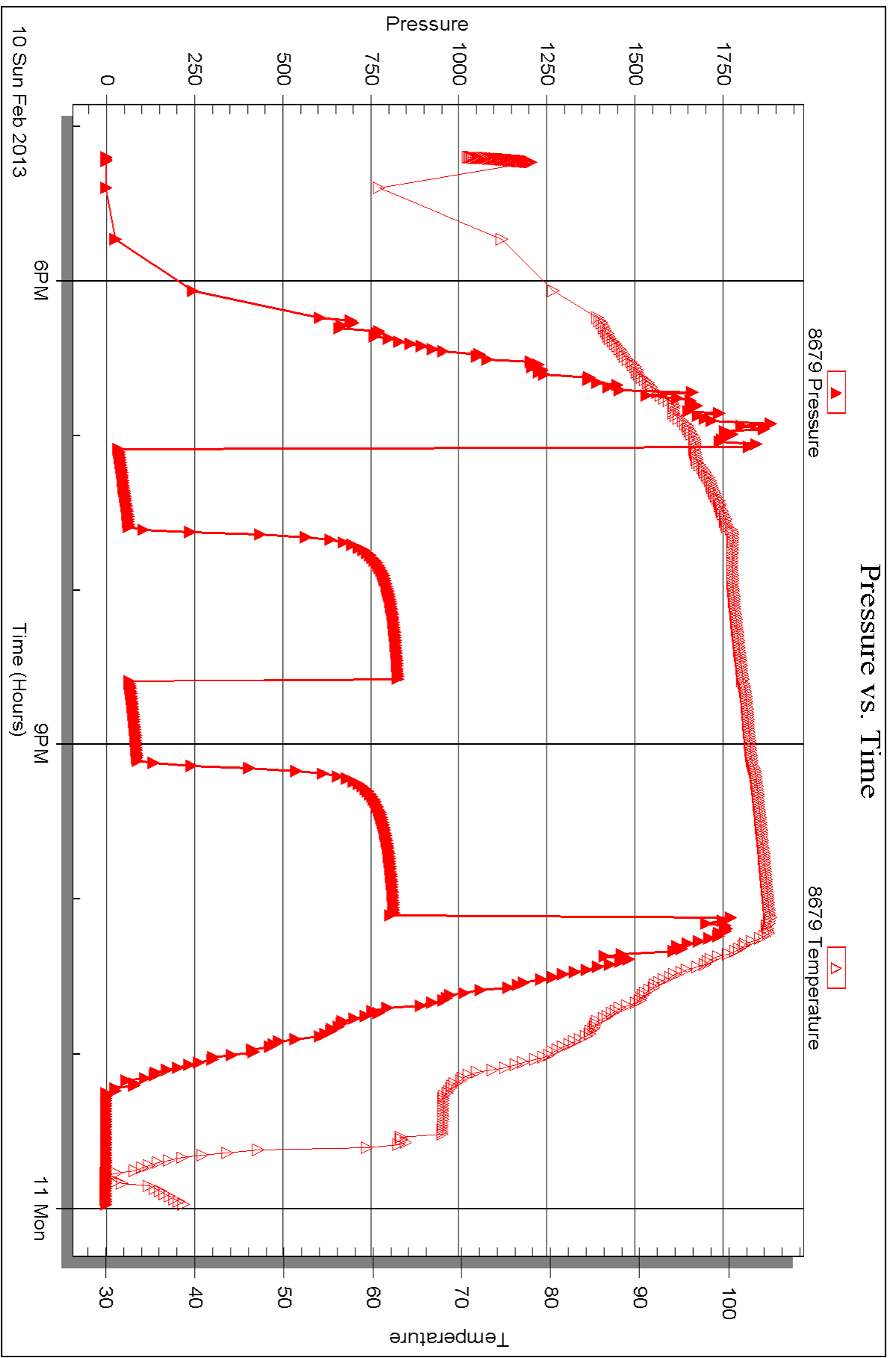
Serial #: 8679

Inside

Murfin Drilling Co

Honas Farms #1-1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300  
Wichita KS 67202 + 1216

ATTN: Shauna Gunzelman

**Honas Farms #1-1**

**1-14s-20w Ellis,KS**

Start Date: 2013.02.11 @ 16:43:50

End Date: 2013.02.11 @ 23:07:50

Job Ticket #: 50385                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.02.26 @ 10:03:58



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
250 N Water Ste 300  
Wichita KS 67202 + 1216  
ATTN: Shauna Gunzelman

**1-14s-20w Ellis, KS**  
**Honas Farms #1-1**  
Job Ticket: 50385      **DST#: 2**  
Test Start: 2013.02.11 @ 16:43:50

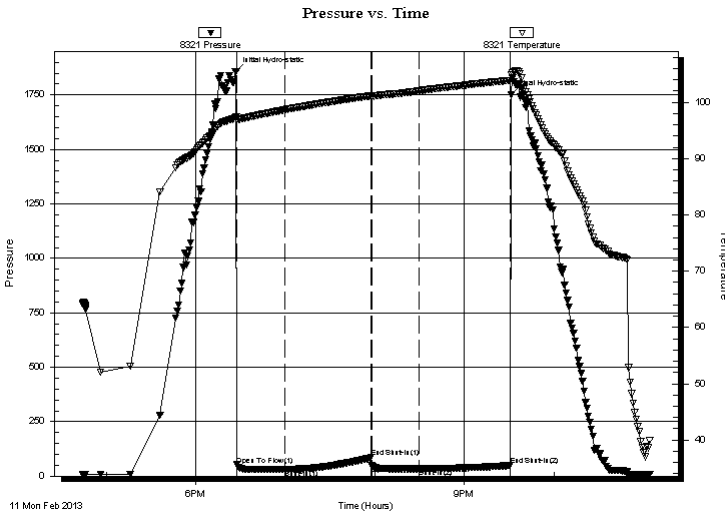
## GENERAL INFORMATION:

Formation: **Lansing I-K**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 18:27:20  
Time Test Ended: 23:07:50  
Interval: **3690.00 ft (KB) To 3765.00 ft (KB) (TVD)**  
Total Depth: 3765.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jeff Brown  
Unit No: 44  
Reference Elevations: 2235.00 ft (KB)  
2222.00 ft (CF)  
KB to GR/CF: 13.00 ft

**Serial #: 8321      Outside**  
Press @ Run Depth: 34.05 psig @ 3757.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.02.11      End Date: 2013.02.11      Last Calib.: 2013.02.11  
Start Time: 16:43:51      End Time: 23:04:50      Time On Btm: 2013.02.11 @ 18:26:50  
Time Off Btm: 2013.02.11 @ 21:31:20

TEST COMMENT: IFP=Weak blow built to 3/4"  
ISI=Dead no blow back  
FFP=Dead no blow  
FSI=Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1858.70	97.36	Initial Hydro-static
1	51.80	96.94	Open To Flow (1)
33	30.72	98.68	Shut-In(1)
91	85.12	101.17	End Shut-In(1)
91	47.85	101.13	Open To Flow (2)
123	34.05	102.03	Shut-In(2)
184	48.32	103.93	End Shut-In(2)
185	1750.02	104.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SOCM 3%O 97%M	0.05

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
250 N Water Ste 300  
Wichita KS 67202 + 1216  
ATTN: Shauna Gunzelman

**1-14s-20w Ellis, KS**  
**Honas Farms #1-1**  
Job Ticket: 50385 **DST#: 2**  
Test Start: 2013.02.11 @ 16:43:50

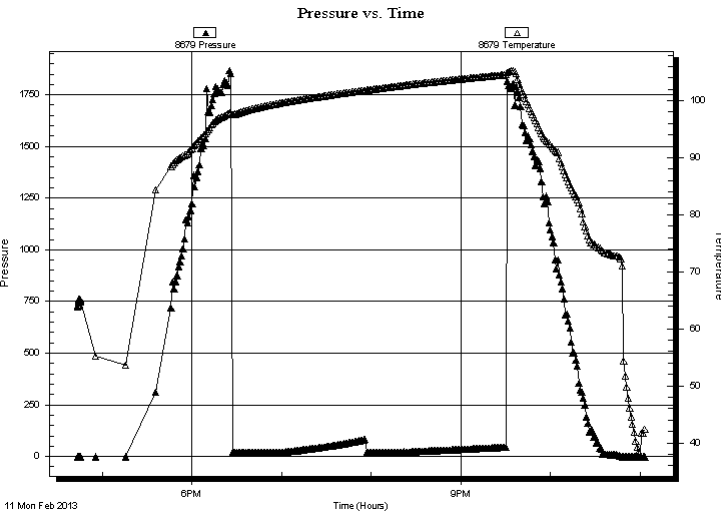
## GENERAL INFORMATION:

Formation: **Lansing I-K**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:27:20  
Time Test Ended: 23:07:50  
Interval: **3690.00 ft (KB) To 3765.00 ft (KB) (TVD)**  
Total Depth: 3765.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jeff Brown  
Unit No: 44  
Reference Elevations: 2235.00 ft (KB)  
2222.00 ft (CF)  
KB to GR/CF: 13.00 ft

## Serial #: 8679 Inside

Press @ RunDepth: psig @ 3757.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.02.11 End Date: 2013.02.11 Last Calib.: 2013.02.11  
Start Time: 16:43:25 End Time: 23:03:24 Time On Btm:  
Time Off Btm:

TEST COMMENT: IFP=Weak blow built to 3/4"  
ISI=Dead no blow back  
FFP=Dead no blow  
FSI=Dead no blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	V SOCM 3%O 97%M	0.05

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co

**1-14s-20w Ellis, KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50385

**DST#: 2**

ATTN: Shauna Gunzelman

Test Start: 2013.02.11 @ 16:43:50

## Tool Information

Drill Pipe:	Length: 3446.00 ft	Diameter: 3.80 inches	Volume: 48.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 231.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 49.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3690.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	98.00 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			3668.00	
Shut In Tool	5.00			3673.00	
Hydraulic tool	5.00			3678.00	
Safety Joint	3.00			3681.00	
Packer	4.00			3685.00	23.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Stubb	1.00			3691.00	
Perforations	2.00			3693.00	
Change Over Sub	1.00			3694.00	
Drill Pipe	62.00			3756.00	
Change Over Sub	1.00			3757.00	
Recorder	0.00	8679	Inside	3757.00	
Recorder	0.00	8321	Outside	3757.00	
Perforations	5.00			3762.00	
Bullnose	3.00			3765.00	75.00 Bottom Packers & Anchor

**Total Tool Length: 98.00**





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Murfin Drilling Co

**1-14s-20w Ellis,KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50385

**DST#: 2**

ATTN: Shauna Gunzelman

Test Start: 2013.02.11 @ 16:43:50

**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:

bbf

Water Loss: 6.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
10.00	VSOCM 3%O 97%M	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

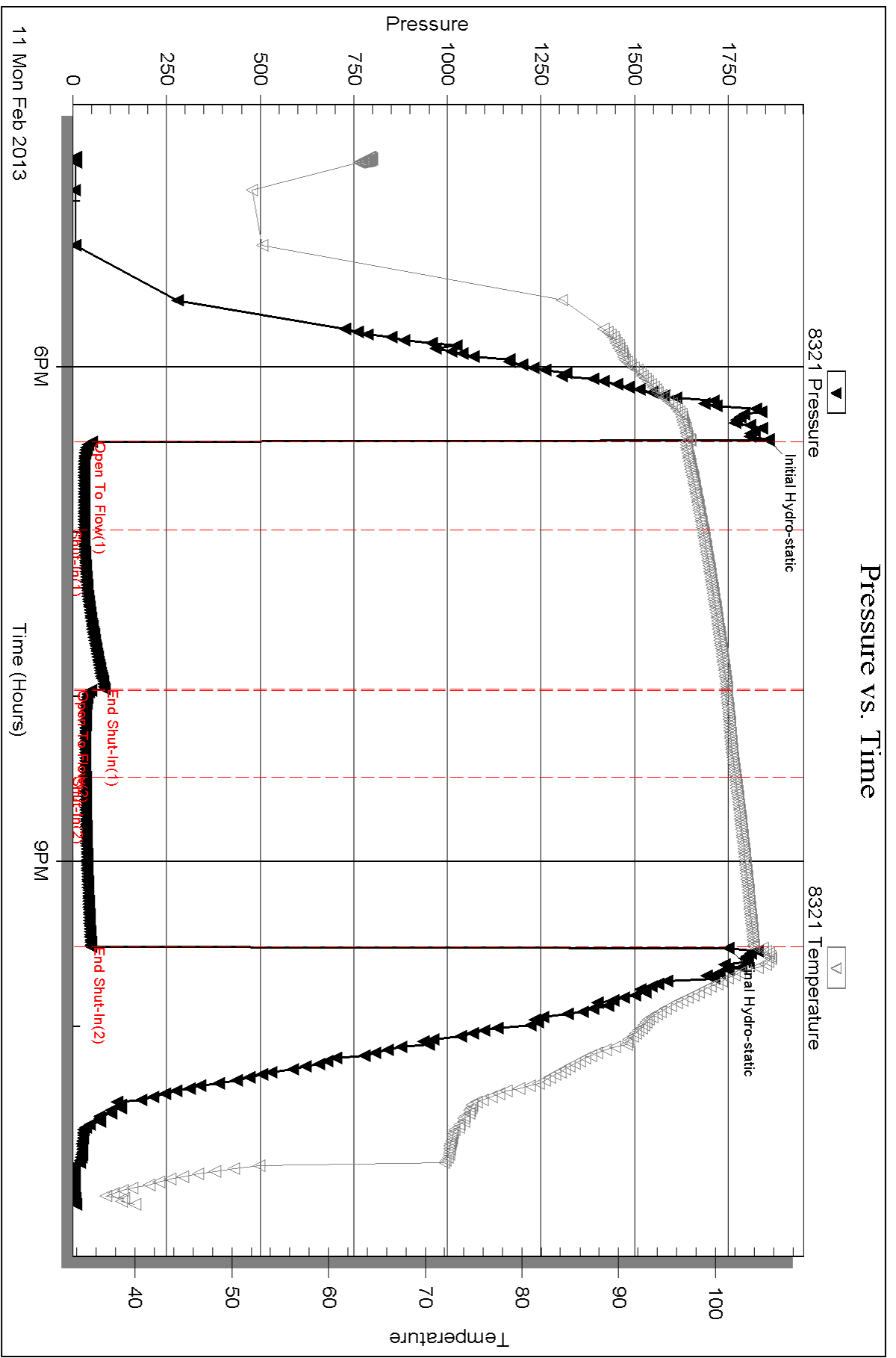
Recovery Comments:

Serial #: 8321

Outside Murfin Drilling Co

Honas Farms #1-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50385

Printed: 2013.02.26 @ 10:04:00

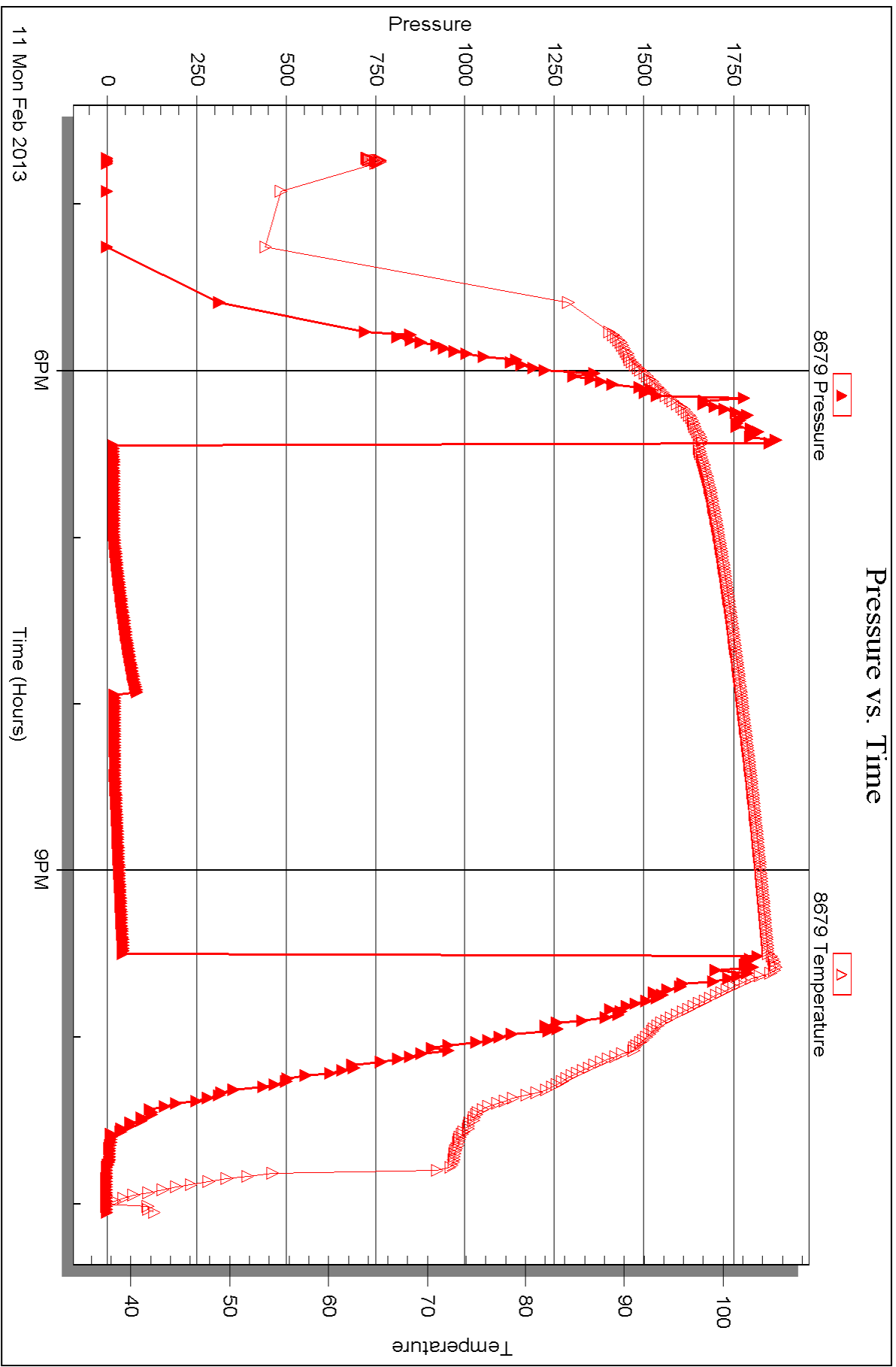
Serial #: 8679

Inside

Murfin Drilling Co

Hornas Farms #1-1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50385

Printed: 2013.02.26 @ 10:04:01



## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300  
Wichita KS 67202 + 1216

ATTN: Shauna Gunzelman

**Honas Farms #1-1**

**1-14s-20w Ellis,KS**

Start Date: 2013.02.12 @ 16:17:41

End Date: 2013.02.12 @ 23:45:11

Job Ticket #: 50386                      DST #: 3

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

Printed: 2013.02.26 @ 10:03:11



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N Water Ste 300  
 Wichita KS 67202 + 1216  
 ATTN: Shauna Gunzelman

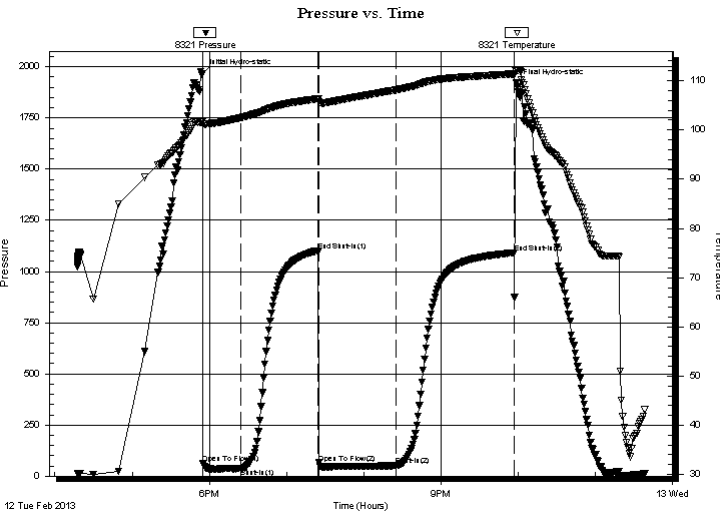
**1-14s-20w Ellis, KS**  
**Honas Farms #1-1**  
 Job Ticket: 50386 **DST#: 3**  
 Test Start: 2013.02.12 @ 16:17:41

## GENERAL INFORMATION:

Formation: **Conglomerate**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:55:11  
 Time Test Ended: 23:45:11  
 Interval: **3827.00 ft (KB) To 3870.00 ft (KB) (TVD)**  
 Total Depth: 3870.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jeff Brown  
 Unit No: 44  
 Reference Elevations: 2235.00 ft (KB)  
 2222.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8321 Outside**  
 Press @ Run Depth: 51.21 psig @ 3863.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.12 End Date: 2013.02.12 Last Calib.: 2013.02.12  
 Start Time: 16:17:42 End Time: 23:38:11 Time On Btm: 2013.02.12 @ 17:54:41  
 Time Off Btm: 2013.02.12 @ 21:58:11

TEST COMMENT: IFP=Weak blow built to 1 1/8"  
 ISI=Dead no blow back  
 FFP=Weak blow built to 2"  
 FSI=Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.87	101.65	Initial Hydro-static
1	61.09	101.18	Open To Flow (1)
30	37.15	102.50	Shut-In(1)
90	1098.01	106.35	End Shut-In(1)
91	64.93	105.75	Open To Flow (2)
150	51.21	108.11	Shut-In(2)
242	1091.43	111.39	End Shut-In(2)
244	1919.44	112.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
57.00	HOCM 30%O 70%M	0.28
12.00	Free Oil	0.06

\* 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

**1-14s-20w Ellis, KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50386

**DST#: 3**

ATTN: Shauna Gunzelman

Test Start: 2013.02.12 @ 16:17:41

## Tool Information

Drill Pipe:	Length: 3572.00 ft	Diameter: 3.80 inches	Volume: 50.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 231.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 51.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3827.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			3800.00	
Shut In Tool	5.00			3805.00	
Hydraulic tool	5.00			3810.00	
Jars	5.00			3815.00	
Safety Joint	3.00			3818.00	
Packer	4.00			3822.00	28.00 Bottom Of Top Packer
Packer	5.00			3827.00	
Stubb	1.00			3828.00	
Perforations	2.00			3830.00	
Change Over Sub	1.00			3831.00	
Drill Pipe	31.00			3862.00	
Change Over Sub	1.00			3863.00	
Recorder	0.00	8679	Inside	3863.00	
Recorder	0.00	8321	Outside	3863.00	
Perforations	4.00			3867.00	
Bullnose	3.00			3870.00	43.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>71.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co

**1-14s-20w Ellis,KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50386

**DST#: 3**

ATTN: Shauna Gunzelman

Test Start: 2013.02.12 @ 16:17:41

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 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 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
57.00	HOCM 30%O 70%M	0.280
12.00	Free Oil	0.059

Total Length: 69.00 ft

Total Volume: 0.339 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

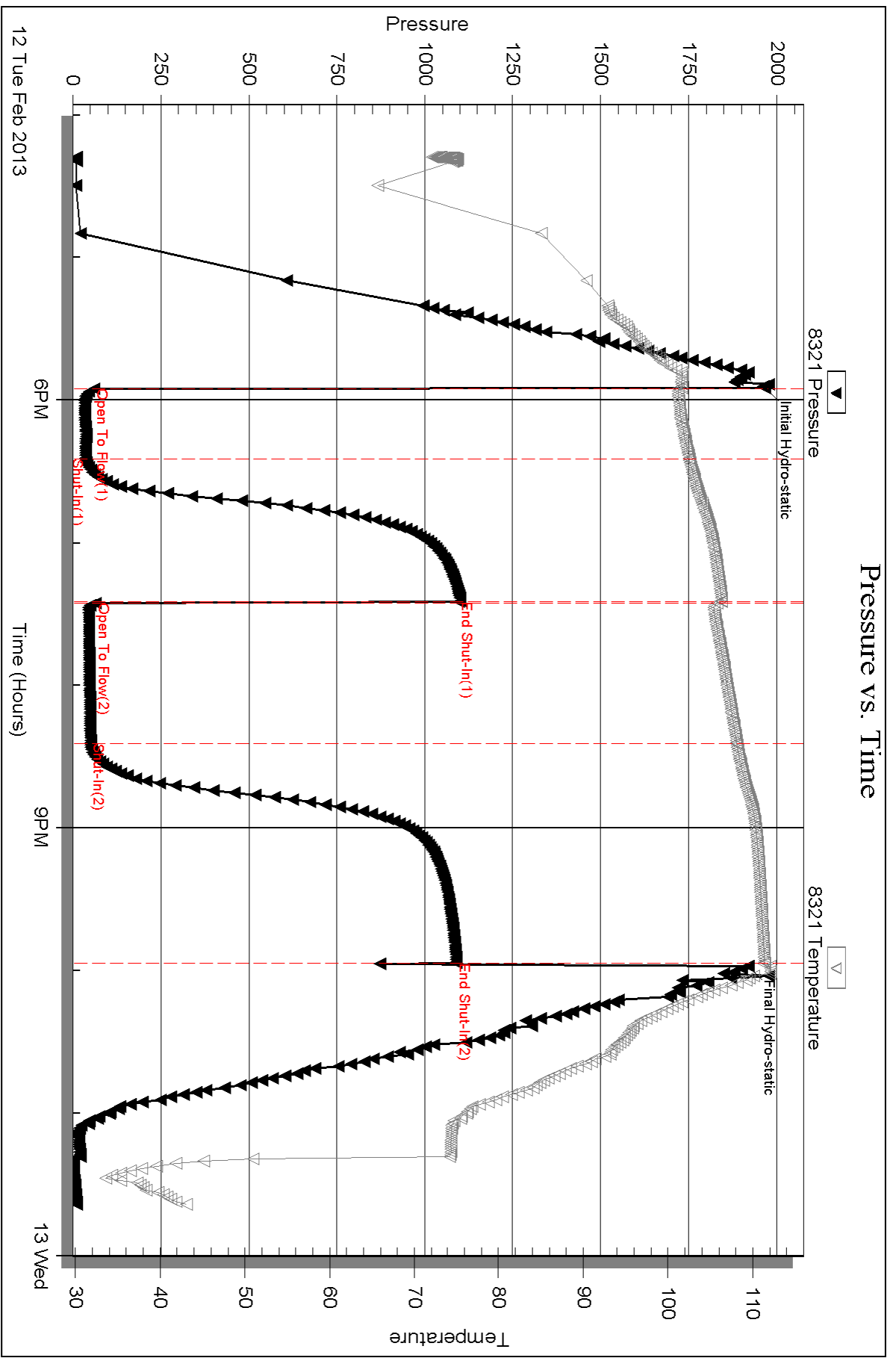
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





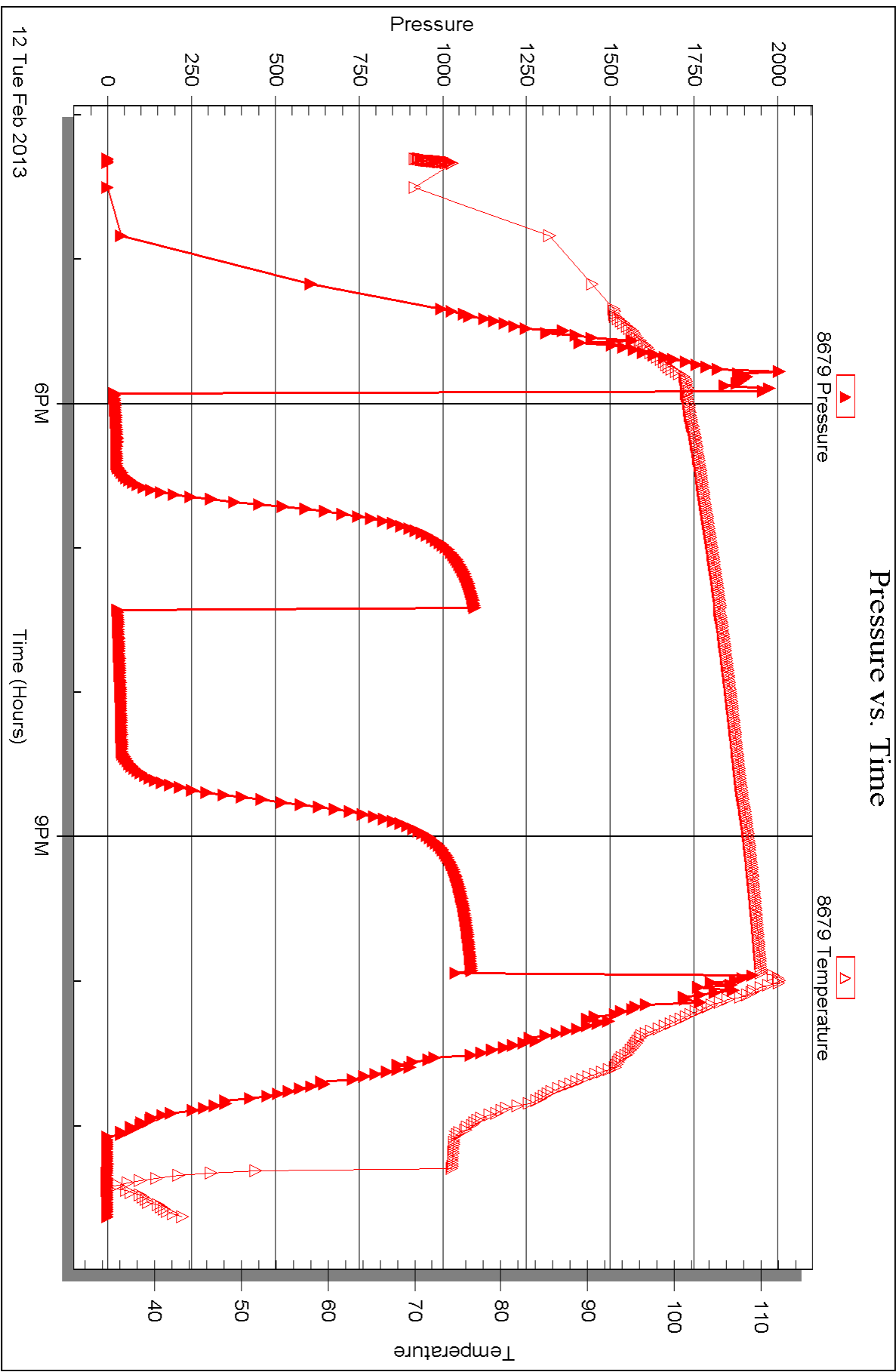
Serial #: 8679

Inside

Murfin Drilling Co

Honas Farms #1-1

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300  
Wichita KS 67202 + 1216

ATTN: Shauna Gunzelman

**Honas Farms #1-1**

**1-14s-20w Ellis,KS**

Start Date: 2013.02.13 @ 06:36:53

End Date: 2013.02.13 @ 14:10:23

Job Ticket #: 50387                      DST #: 4

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

Printed: 2013.02.26 @ 10:02:09

Murfin Drilling Co  
1-14s-20w Ellis,KS  
Honas Farms #1-1  
DST # 4  
Arbuckle  
2013.02.13



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N Water Ste 300  
 Wichita KS 67202 + 1216  
 ATTN: Shauna Gunzelman

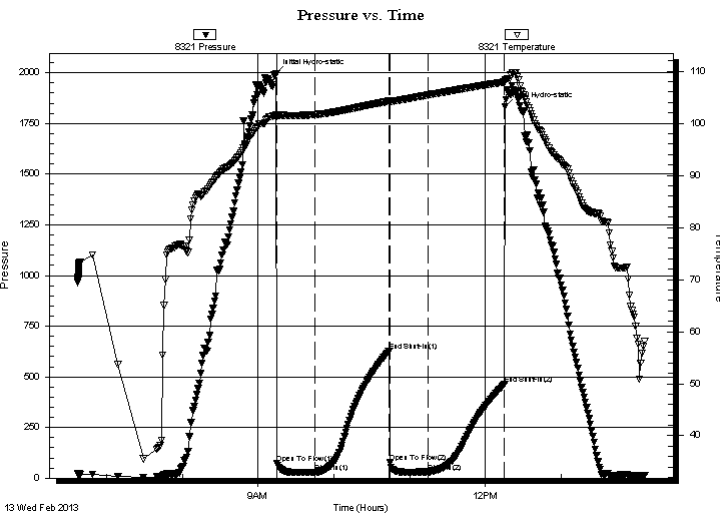
**1-14s-20w Ellis, KS**  
**Honas Farms #1-1**  
 Job Ticket: 50387 **DST#: 4**  
 Test Start: 2013.02.13 @ 06:36:53

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:14:53  
 Time Test Ended: 14:10:23  
 Interval: **3871.00 ft (KB) To 3882.00 ft (KB) (TVD)**  
 Total Depth: 3882.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jeff Brown  
 Unit No: 44  
 Reference Elevations: 2235.00 ft (KB)  
 2222.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8321 Outside**  
 Press @ Run Depth: 30.33 psig @ 3874.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.13 End Date: 2013.02.13 Last Calib.: 2013.02.13  
 Start Time: 06:36:54 End Time: 14:06:23 Time On Btm: 2013.02.13 @ 09:14:23  
 Time Off Btm: 2013.02.13 @ 12:15:53

TEST COMMENT: IFP=Weak blow built to 1/2"  
 ISI=Dead no blow back  
 FFP=Weak surface blow  
 FSI=Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.90	101.53	Initial Hydro-static
1	71.85	101.35	Open To Flow (1)
31	27.21	101.65	Shut-In(1)
90	628.24	104.26	End Shut-In(1)
90	75.68	104.01	Open To Flow (2)
121	30.33	105.43	Shut-In(2)
181	465.36	107.92	End Shut-In(2)
182	1832.30	108.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w ith a scum of oil	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 Co

**1-14s-20w Ellis, KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50387

**DST#: 4**

ATTN: Shauna Gunzelman

Test Start: 2013.02.13 @ 06:36:53

## Tool Information

Drill Pipe:	Length: 3635.00 ft	Diameter: 3.80 inches	Volume: 50.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 231.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 52.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3871.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	34.00 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			3849.00	
Shut In Tool	5.00			3854.00	
Hydraulic tool	5.00			3859.00	
Safety Joint	3.00			3862.00	
Packer	4.00			3866.00	23.00 Bottom Of Top Packer
Packer	5.00			3871.00	
Stubb	1.00			3872.00	
Perforations	2.00			3874.00	
Recorder	0.00	8679	Inside	3874.00	
Recorder	0.00	8321	Outside	3874.00	
Perforations	5.00			3879.00	
Bullnose	3.00			3882.00	11.00 Bottom Packers & Anchor

**Total Tool Length: 34.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Murfin Drilling Co

**1-14s-20w Ellis,KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50387

**DST#: 4**

ATTN: Shauna Gunzelman

Test Start: 2013.02.13 @ 06:36:53

### 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 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud with a scum of oil	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

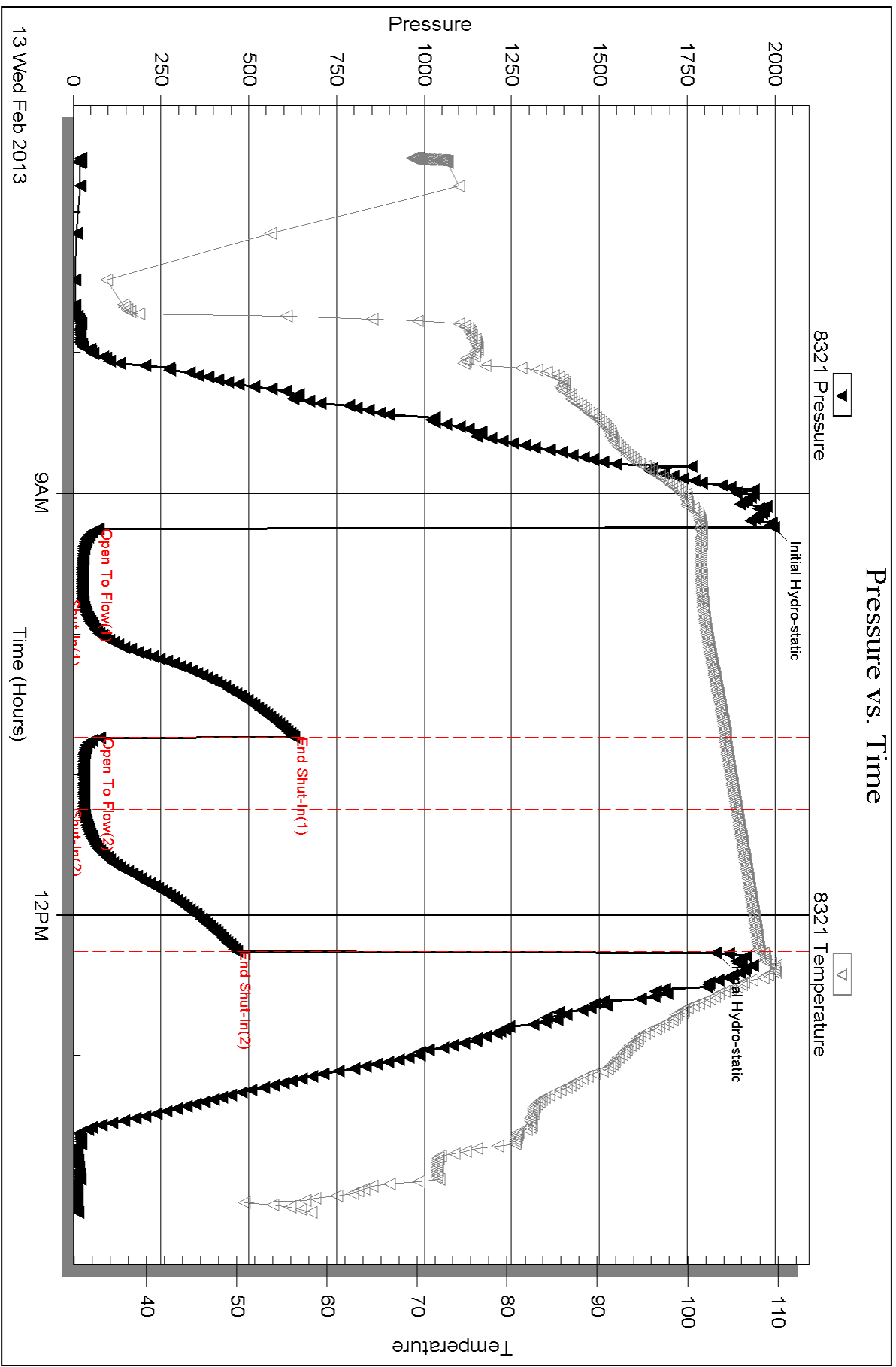
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





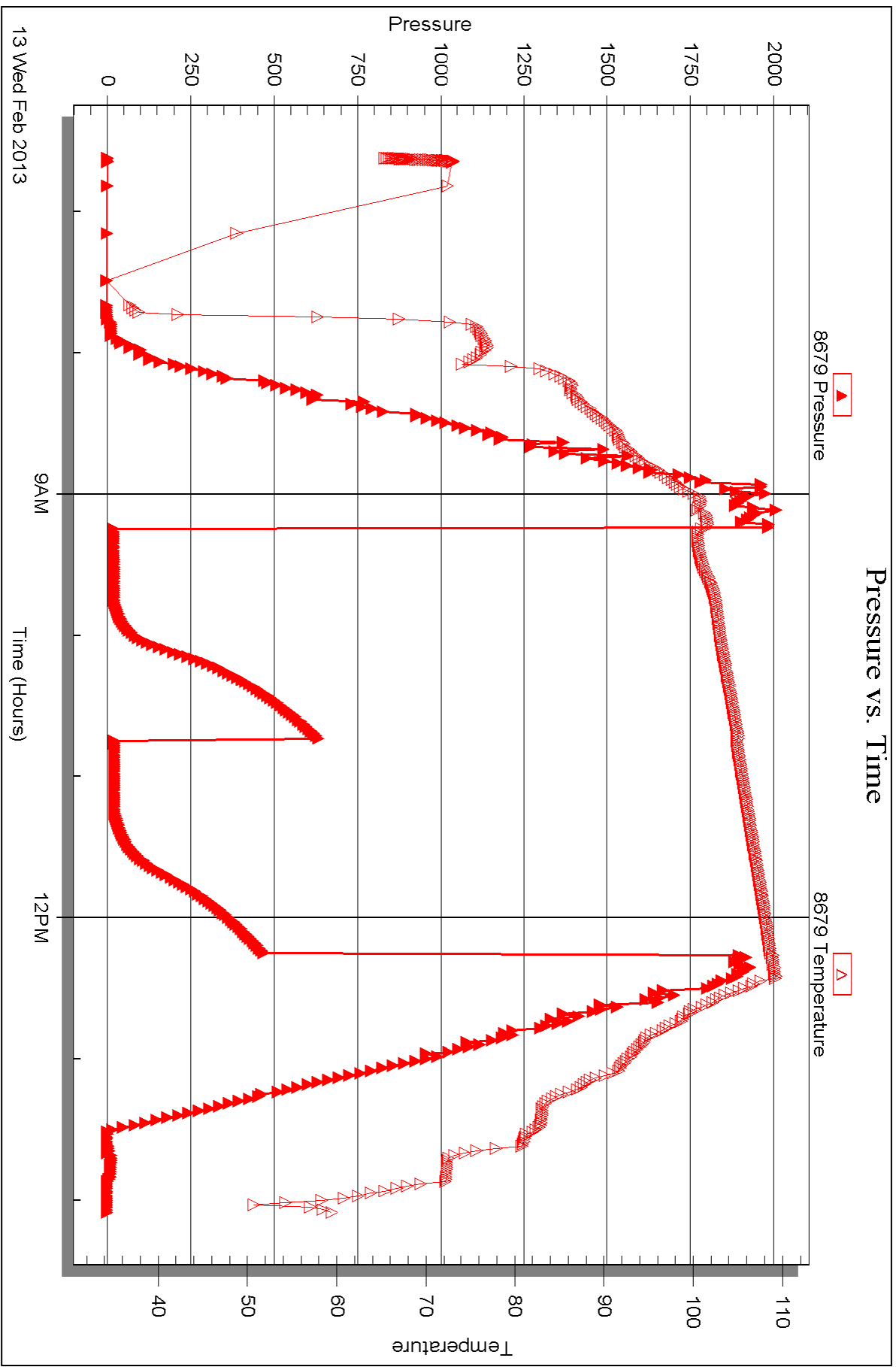
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Inside

Murfin Drilling Co

Honas Farms #1-1

DST Test Number: 4





## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300  
Wichita KS 67202 + 1216

ATTN: Shauna Gunzelman

**Honas Farms #1-1**

**1-14s-20w Ellis,KS**

Start Date: 2013.02.13 @ 20:02:29

End Date: 2013.02.14 @ 03:40:59

Job Ticket #: 50388                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.02.26 @ 10:01:27



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N Water Ste 300  
 Wichita KS 67202 + 1216  
 ATTN: Shauna Gunzelman

**1-14s-20w Ellis, KS**  
**Honas Farms #1-1**  
 Job Ticket: 50388 **DST#: 5**  
 Test Start: 2013.02.13 @ 20:02:29

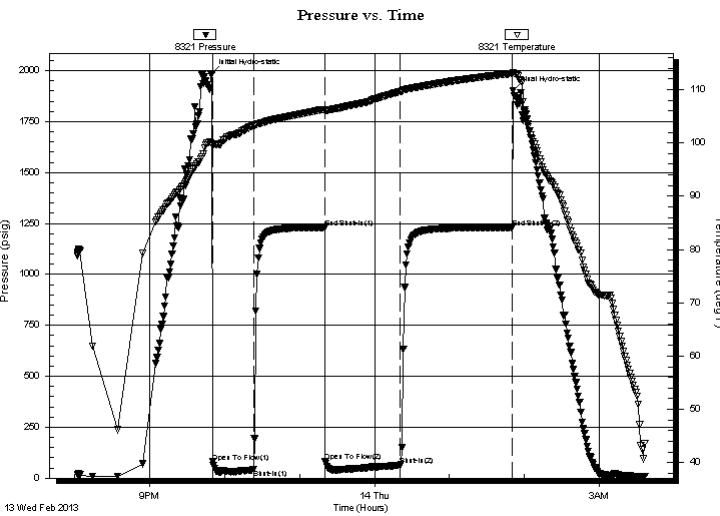
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:50:29  
 Time Test Ended: 03:40:59  
 Interval: **3882.00 ft (KB) To 3892.00 ft (KB) (TVD)**  
 Total Depth: 3892.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jeff Brown  
 Unit No: 44  
 Reference Elevations: 2235.00 ft (KB)  
 2222.00 ft (CF)  
 KB to GR/CF: 13.00 ft

## Serial #: 8321 Outside

Press @ Run Depth: 63.03 psig @ 3884.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.02.13 End Date: 2013.02.14 Last Calib.: 2013.02.14  
 Start Time: 20:02:30 End Time: 03:35:59 Time On Btm: 2013.02.13 @ 21:49:59  
 Time Off Btm: 2013.02.14 @ 01:50:59

TEST COMMENT: IFP=Weak blow built to 2"  
 ISI=Dead no blow back  
 FFP=Weak surface blow built to 1 1/4"  
 FSI=Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1985.64	99.85	Initial Hydro-static
1	79.60	99.40	Open To Flow (1)
33	42.56	103.16	Shut-In(1)
90	1230.93	106.30	End Shut-In(1)
91	83.63	106.05	Open To Flow (2)
151	63.03	109.62	Shut-In(2)
240	1230.56	113.01	End Shut-In(2)
241	1901.31	113.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	WM 5%W 95%M	0.10
57.00	WM 40%W 60%M	0.28

\* 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

**1-14s-20w Ellis, KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50388

**DST#: 5**

ATTN: Shauna Gunzelman

Test Start: 2013.02.13 @ 20:02:29

## Tool Information

Drill Pipe:	Length: 3635.00 ft	Diameter: 3.80 inches	Volume: 50.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 231.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 52.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	3882.00 ft			Final 73000.00 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			3860.00	
Shut In Tool	5.00			3865.00	
Hydraulic tool	5.00			3870.00	
Safety Joint	3.00			3873.00	
Packer	4.00			3877.00	23.00 Bottom Of Top Packer
Packer	5.00			3882.00	
Stubb	1.00			3883.00	
Perforations	1.00			3884.00	
Recorder	0.00	8679	Inside	3884.00	
Recorder	0.00	8321	Outside	3884.00	
Perforations	5.00			3889.00	
Bullnose	3.00			3892.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 33.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co

**1-14s-20w Ellis,KS**

250 N Water Ste 300  
Wichita KS 67202 + 1216

**Honas Farms #1-1**

Job Ticket: 50388

**DST#: 5**

ATTN: Shauna Gunzelman

Test Start: 2013.02.13 @ 20:02:29

## 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: 7.20 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	WM 5%W 95%M	0.098
57.00	WM 40%W 60%M	0.280

Total Length: 77.00 ft      Total Volume: 0.378 bbl

Num Fluid Samples: 0

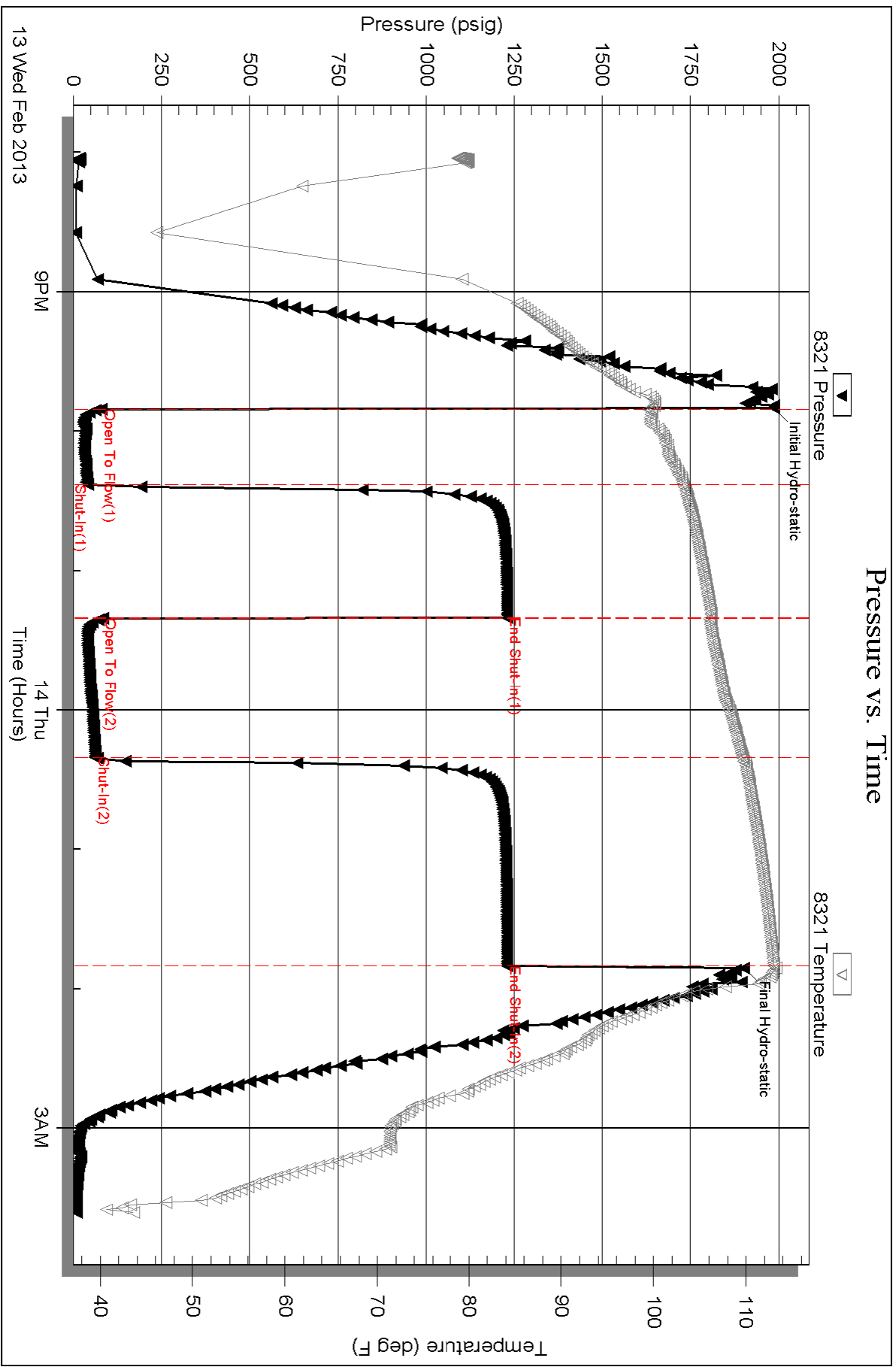
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



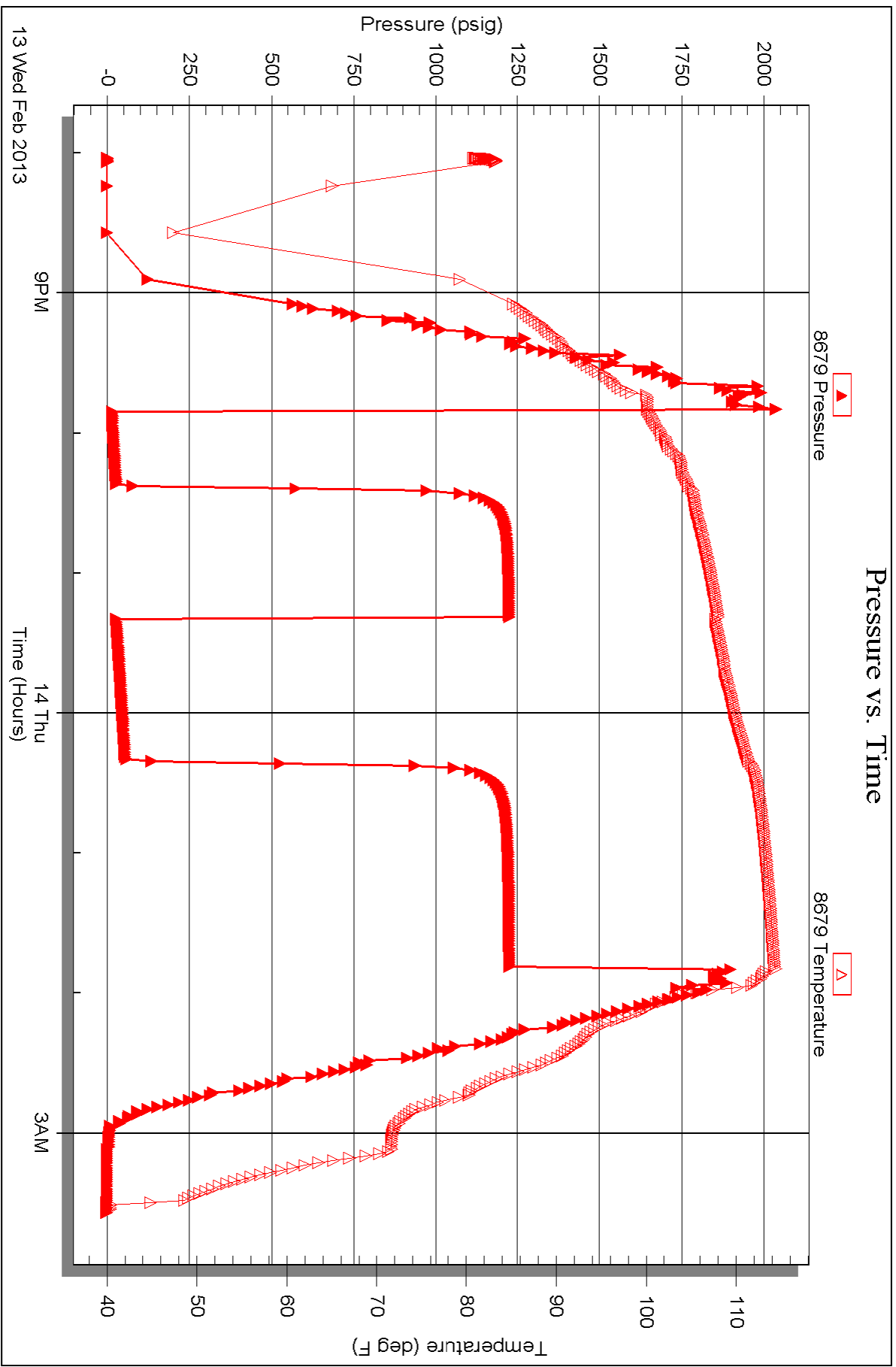
Serial #: 8679

Inside

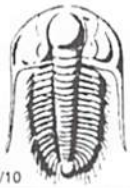
Murfin Drilling Co

Honas Farms #1-1

DST Test Number: 5







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50384

Well Name & No. Hongas Farms #1-1 Test No. 1 Date 2-10-13  
 Company Murfin Drilling Co Elevation 2235 KB 2222 GL  
 Address 250 N Water Ste 300 Wichita KS 67202 + 1216  
 Co. Rep / Geo. Robert Hendrix Rig Murfin #2  
 Location: Sec. 1 Twp. 14 S Rge. 20 W Co. Ellis State KS

Interval Tested 3586-3635 Zone Tested Lansing - D-F  
 Anchor Length 49 Drill Pipe Run 3352 Mud Wt. 9.0  
 Top Packer Depth 3581 Drill Collars Run 231 Vis 6.5  
 Bottom Packer Depth 3586 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3635 Chlorides 5400 ppm System LCM 2

Blow Description FP. Weak Blow Built To 2 1/2 IN  
IS. Dead No Blow Back  
FP. Dead No Blow  
IS. Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>MUD</u>			<u>100</u>	
<u>45</u>	<u>MU with oil spots</u>			<u>70</u>	<u>30</u>

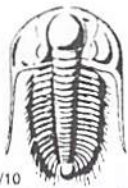
Rec Total 115 BHT 104 Gravity \_\_\_\_\_ API RW 1172 @ 55.7 °F Chlorides 55,000 ppm

(A) Initial Hydrostatic 1826  Test 1150 T-On Location 15:53  
 (B) First Initial Flow 666  Jars \_\_\_\_\_ T-Started 17:11  
 (C) First Final Flow 75  Safety Joint 75 T-Open 19:06  
 (D) Initial Shut-In 829  Circ Sub \_\_\_\_\_ T-Pulled 22:06  
 (E) Second Initial Flow 94  Hourly Standby \_\_\_\_\_ T-Out 09:00  
 (F) Second Final Flow 97  Mileage 27rt 41.85 Comments \_\_\_\_\_  
 (G) Final Shut-In 822  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1786  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1266.85  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 1266.85

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50385

Well Name & No. Honas Farms #1-1 Test No. 2 Date 2-11-13  
 Company Murfin Drilling Co Elevation 2235 KB 2222 GL  
 Address 250 N Water Ste 300 Wichita KS 67202 + 1216  
 Co. Rep / Geo. Robert Hendrix Rig Murfin #2  
 Location: Sec. 1 Twp. 14S Rge. 20W Co. Ellis State KS

Interval Tested 3690-3745 Zone Tested Lansing-I-K  
 Anchor Length 75 Drill Pipe Run 3446 Mud Wt. 9.0  
 Top Packer Depth 3685 Drill Collars Run 231 Vis 64  
 Bottom Packer Depth 3690 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3745 Chlorides 6000 ppm System LCM 2

Blow Description IP-Weak Blow Built To 3/4 IN  
1st-Dead No Blow Back  
FF-Dead No Blow  
1st-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>USOCM</u>		<u>3</u>		<u>97</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 104 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic	<u>1859</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>16:27</u>
(B) First Initial Flow	<u>52</u>	<input checked="" type="checkbox"/> Jars	<u>No Jars</u>	T-Started	<u>16:43</u>
(C) First Final Flow	<u>31</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>18:29</u>
(D) Initial Shut-In	<u>85</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>21:29</u>
(E) Second Initial Flow	<u>48</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>23:07</u>
(F) Second Final Flow	<u>34</u>	<input checked="" type="checkbox"/> Mileage	<u>41.85</u>	Comments	
(G) Final Shut-In	<u>48</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1750</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

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

Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1266.85  
 MP/DST Disc't \_\_\_\_\_

Sub Total 1266.85

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50386

4/10

Well Name & No. Hongas Farms #1-1 Test No. 3 Date 2-12-13  
 Company Murfin Drilling Co Elevation 2235 KB 2222 GL  
 Address 250 N Water Ste 300 Wichita KS 67202+1216  
 Co. Rep / Geo. Robert Hendrix Rig Murfin #2  
 Location: Sec. 1 Twp. 14s Rge. 20w Co. ELLIS State KS

Interval Tested 3827-3870 Zone Tested Conglomerate  
 Anchor Length 43 Drill Pipe Run 3572 Mud Wt. 9.2  
 Top Packer Depth 3822 Drill Collars Run 231 Vis 65  
 Bottom Packer Depth 3827 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3870 Chlorides 6000 ppm System LCM 2

Blow Description IP-Weak Blow Built To 1 1/8 IN  
ISP-Dead No Blow Back  
FP-Weak Blow Built To 2 IN  
FST-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>57</u>	<u>Holm</u>		<u>30</u>		<u>70</u>
<u>12</u>	<u>Free oil</u>		<u>100</u>		

Rec Total 69 BHT 111 Gravity 38 API RW @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1966</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>15:53</u>
(B) First Initial Flow <u>61</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:17</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:55</u>
(D) Initial Shut-In <u>1098</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>21:55</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>23:45</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>41.85</u>	Comments _____
(G) Final Shut-In <u>1091</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1919</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1516.85

Sub Total 1516.85

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50387

Well Name & No. Hongas Farms #1-1 Test No. 4 Date 2-13-13  
 Company Murfin Drilling Co Elevation 2235 KB 2222 GL  
 Address 250 N Water Ste 300 Wichita KS 67202 + 1216  
 Co. Rep / Geo. Robert Hendrix Rig Murfin #2  
 Location: Sec. 1 Twp. 14S Rge. 20W Co. ELLIS State KS

Interval Tested 3871-3882 Zone Tested Arbuckle  
 Anchor Length 11 Drill Pipe Run 3635 Mud Wt. 9.2  
 Top Packer Depth 3866 Drill Collars Run 231 Vis 65  
 Bottom Packer Depth 3871 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3882 Chlorides 6000 ppm System LCM 2

Blow Description PP-Weak Blow Built To 1/2 IN  
BT-Dead No Blow Back  
PP-Weak Surface Blow  
BT-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD WITH A SCUM OF OIL</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

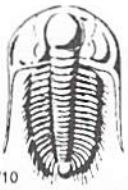
Rec Total 5 BHT 108 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1998  Test 1150 T-On Location 6:23  
 (B) First Initial Flow 72  Jars \_\_\_\_\_ T-Started 6:36  
 (C) First Final Flow 27  Safety Joint 75 T-Open 9:14  
 (D) Initial Shut-In 628  Circ Sub \_\_\_\_\_ T-Pulled 12:14  
 (E) Second Initial Flow 76  Hourly Standby \_\_\_\_\_ T-Out 14:10  
 (F) Second Final Flow 30  Mileage 41.85 Comments \_\_\_\_\_  
 (G) Final Shut-In 465  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1832  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 0  
 Total 1266.85  
 Sub Total 1266.85

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50388

Well Name & No. Hanas Farms #1-1 Test No. 5 Date 2-13-13  
 Company Murfin Drilling Co Elevation 2233 KB 2222 GL  
 Address 250 N Water Ste 300 Wichita KS 67202 + 1214  
 Co. Rep / Geo. Robert Hendrix Rig Murfin #2  
 Location: Sec. 1 Twp. 14S Rge. 20W Co. ELLIS State KS

Interval Tested 3882-3892 Zone Tested AR Buckle  
 Anchor Length 10 Drill Pipe Run 3635 Mud Wt. 9.4  
 Top Packer Depth 3877 Drill Collars Run 231 Vis 72  
 Bottom Packer Depth 3882 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3892 Chlorides 40000 ppm System LCM 7

Blow Description IP-Weak Blow Built To 2 IN  
ISI-Dead No Blow Back  
FFP-Weak Blow Built To 1 1/4 IN  
ISI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>WM</u>		<u>5</u>	<u>95</u>	
<u>57</u>	<u>WM</u>		<u>40</u>	<u>60</u>	

Rec Total 77 BHT 113 Gravity \_\_\_\_\_ API RW 422 @ 52.2 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic 19 86  Test 1150 T-On Location 19:20  
 (B) First Initial Flow 80  Jars \_\_\_\_\_ T-Started 20:02  
 (C) First Final Flow 43  Safety Joint 75 T-Open 21:51  
 (D) Initial Shut-In 12 31  Circ Sub \_\_\_\_\_ T-Pulled 1:51  
 (E) Second Initial Flow 84  Hourly Standby \_\_\_\_\_ T-Out 3:40  
 (F) Second Final Flow 63  Mileage 83.70 Comments Loaded Tool's  
 (G) Final Shut-In 12 31  Sampler \_\_\_\_\_ @ 12:56 on 2-14-13  
 (H) Final Hydrostatic 19 01  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer 320  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 320  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1628.70  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1308.70

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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*acct. Lizz-H-Prood*

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 134911  
Invoice Date: Feb 14, 2013  
Page: 1

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

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	59289	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	Feb 14, 2013	3/16/13

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Honas Farms #1-1		
		Class A Common	17.90	2,685.00
100.00	MAT	Pozmix	9.35	935.00
9.00	MAT	Gel	23.40	210.60
63.00	MAT	Flo Seal	2.97	187.11
269.20	SER	Cubic Feet	2.48	667.61
168.46	SER	Ton Mileage	2.60	438.02
1.00	SER	Plug to Abandon	2,600.47	2,600.47
15.00	SER	Pump Truck Mileage	7.70	115.50
15.00	SER	Light Vehicle Mileage	4.40	66.00
1.00	CEMENTER	Charles Elkins		
1.00	EQUIP OPER	Joshua Isaac		
1.00	EQUIP OPER	Daniel Casper		

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

\$ 2,766.85

ONLY IF PAID ON OR BEFORE

**Mar 11, 2013**

Subtotal	7,905.31
Sales Tax	498.03
Total Invoice Amount	8,403.34
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,403.34</b>

# ALLIED OIL & GAS SERVICES, LLC 059289

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend, KS

DATE <u>2-14-13</u>	SEC. <u>1</u>	TWP. <u>14S</u>	RANGE <u>20W</u>	CALLED OUT <u>6:15 PM</u>	ON LOCATION <u>8:16 PM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30 AM</u>
LEASE <u>Honos Farms</u>	WELL # <u>1-1</u>	LOCATION <u>Antonio: 6m West, 6 1/2 North East into location (70m)</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Murfin 2

TYPE OF JOB PTA

HOLE SIZE 7 7/8" T.D. 3971ft

CASING SIZE 8 3/8" 23# DEPTH 225ft

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2" 16.60# DEPTH 3971ft

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT W 8ft FW

EQUIPMENT

OWNER Murfin

CEMENT

AMOUNT ORDERED 250s @ 60/40 + 4% Gel  
4.25% Flo-Seal

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX	<u>100</u>	@ <u>9.35</u>	<u>935.00</u>
GEL	<u>9</u>	@ <u>23.40</u>	<u>210.60</u>
CHLORIDE		@	
ASC		@	
	<u>2600</u>	@ <u>6.3</u>	<u>187.2</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>269.20</u>	@ <u>2.48</u>	<u>667.61</u>
MILEAGE	<u>11.23 x 15</u>	@ <u>2.60</u>	<u>438.90</u>
			<u>5,123.81</u>

PUMP TRUCK CEMENTER Charles E. J. King 1

# 398 HELPER Josh Isaac 2

BULK TRUCK

# 609/112 DRIVER Dan Casper 2

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Set Plug 1 @ 3971ft: 6FW, 12.5cm, 2FW, 45WOM (50s)

Set Plug 2 @ 1540ft: 6FW, 5cm, 15FW (20s)

Set Plug 3 @ 777ft: 6FW, 25cm, 3FW (100s)

Set Plug 4 @ 275ft: 6FW, 10cm, 1FW (40s)

Set Plug 5 @ 40ft: 2.5cm (10s)

Plug Rot Hole with 7.5cm (30s)

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 Armando Cubero

SIGNATURE Armando Cubero

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE 2600.22

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE Hvm 15 @ 7.70 115.50

MANIFOLD @ \_\_\_\_\_

hvm 15 @ 4.40 66.00

@ \_\_\_\_\_

TOTAL 2,781.97

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) 498.03

TOTAL CHARGES 7,905.31

DISCOUNT 2,766.85 IF PAID IN 30 DAYS

5,138.45

Acct  
Prod Lit



# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 134747

Invoice Date: Feb 6, 2013

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

Page: 1

<b>Bill To:</b>
** Murfin Drig. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Murfin	59259	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Feb 6, 2013	3/8/13

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Honas Farms #1-1		
		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
129.30	SER	Ton Mileage	2.60	336.18
1.00	SER	Surface	1,512.25	1,512.25
15.00	SER	Pump Truck Mileage	7.70	115.50
15.00	SER	Light Vehicle Mileage	4.40	66.00
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	Tim Dickson		
1.00	EQUIP OPER	Trint Hall		
1.00	EQUIP OPER	Joel Monahan		

*ewd*

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

\$ 2,167.31

ONLY IF PAID ON OR BEFORE

Mar 3, 2013

Subtotal	6,192.34
Sales Tax	232.74
Total Invoice Amount	6,425.08
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,425.08</b>

2167.31



