



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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

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

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

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

Sam Brownback, Governor

November 17, 2011

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

Re: ACO1  
API 15-193-20814-00-00  
Soucie Seele Unit 1-14  
NE/4 Sec.14-10S-34W  
Thomas 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 Soucie-Seele Unit #1-14 2550' FNL 1990' FEL Sec. 14-T10S-R34W 3217' KB							MDCI James #1-22 1100' FNL 750' FEL Sec. 22-T10S-R34W 3212' KB	
Formation	Sample Top	Datum	Ref	Log Tops	Datum	Ref	Log Top	Datum
Anhydrite	2729	+488	-8	2727	+490	-6	2716	+496
B/Anhydrite	2758	+459	-9	2755	+462	-7	2743	+469
Topeka	3892	-675	-6	3889	-672	-3	3881	-669
Heebner	4104	-887	-2	4102	-885	Flat	4097	-885
Lansing	4144	-927	-2	4144	-927	-2	4137	-925
Muncie Crk	4282	-1065	FLAT	4288	-1071	-6	4277	-1065
Stark	4369	-1152	-3	4373	-1156	-8	4360	-1148
BKC	4430	-1213	-2	4429	-1212	-1	4423	-1211
Marm	4457	-1240	-3	4454	-1237	Flat	4449	-1237
Pawnee	4568	-1351	-3	4567	-1350	-2	4560	-1348
Fort Scott	4621	-1404	-1	4620	-1403	Flat	4615	-1403
Cherokee	4650	-1433	+1	4649	-1432	+2	4646	-1434
Johnson Zn	4692	-1475	-2	4692	-1475	-2	4685	-1473
Mississippi	4778	-1561	+27	4776	-1559	+29	4800	-1588
RTD							4860	
LTD				4902			4860	







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
 250 N Water STE 300  
 Wichita KS, 67202-1216  
 ATTN: Tom Funk

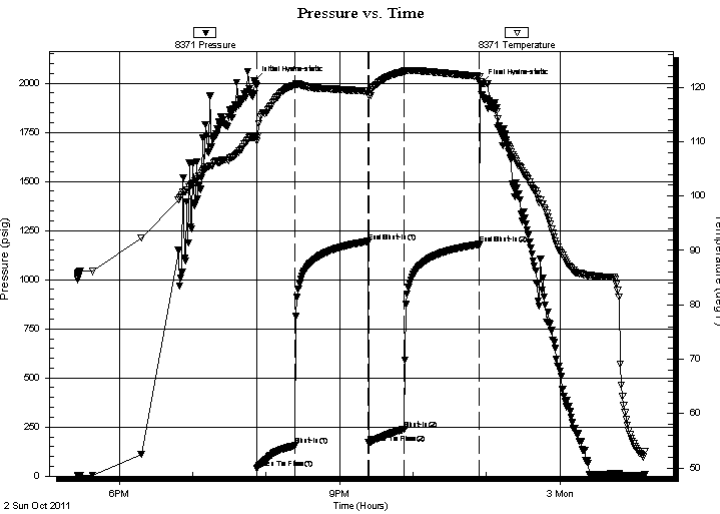
**14-10s-34w**  
**Soucie Seele Unit 1-**  
 Job Ticket: 042127 **DST#: 1**  
 Test Start: 2011.10.02 @ 17:26:00

## GENERAL INFORMATION:

Formation: **Toronto - Lansing "A"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:52:30  
 Time Test Ended: 01:09:30  
 Interval: ft (KB) To ft (KB) (TVD)  
 Total Depth: 4167.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jace McKinney  
 Unit No: 28  
 Reference Elevations: 3217.00 ft (KB)  
 3206.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8371 Outside**  
 Press @ Run Depth: 239.34 psig @ 4109.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.02 End Date: 2011.10.03 Last Calib.: 2011.10.03  
 Start Time: 17:26:01 End Time: 01:09:30 Time On Btm: 2011.10.02 @ 19:50:30  
 Time Off Btm: 2011.10.02 @ 22:55:15

TEST COMMENT: B.O.B. in 15 min.  
 No return blow  
 B.O.B. in 17 min.  
 No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.31	110.89	Initial Hydro-static
2	41.56	110.09	Open To Flow (1)
33	155.42	120.36	Shut-In(1)
93	1192.99	119.29	End Shut-In(1)
94	169.73	118.53	Open To Flow (2)
123	239.34	122.83	Shut-In(2)
184	1179.73	121.99	End Shut-In(2)
185	1997.94	121.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
357.00	mcw 10%M 90%W	3.31
124.00	ocmw 10%O 20%M 70%W	1.74
15.00	100% Clean OIL	0.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 042127

**DST#: 1**

ATTN: Tom Funk

Test Start: 2011.10.02 @ 17:26:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
357.00	mcw 10%M 90%W	3.307
124.00	ocmw 10%O 20%M 70%W	1.739
15.00	100% Clean OIL	0.210

Total Length: 496.00 ft      Total Volume: 5.256 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

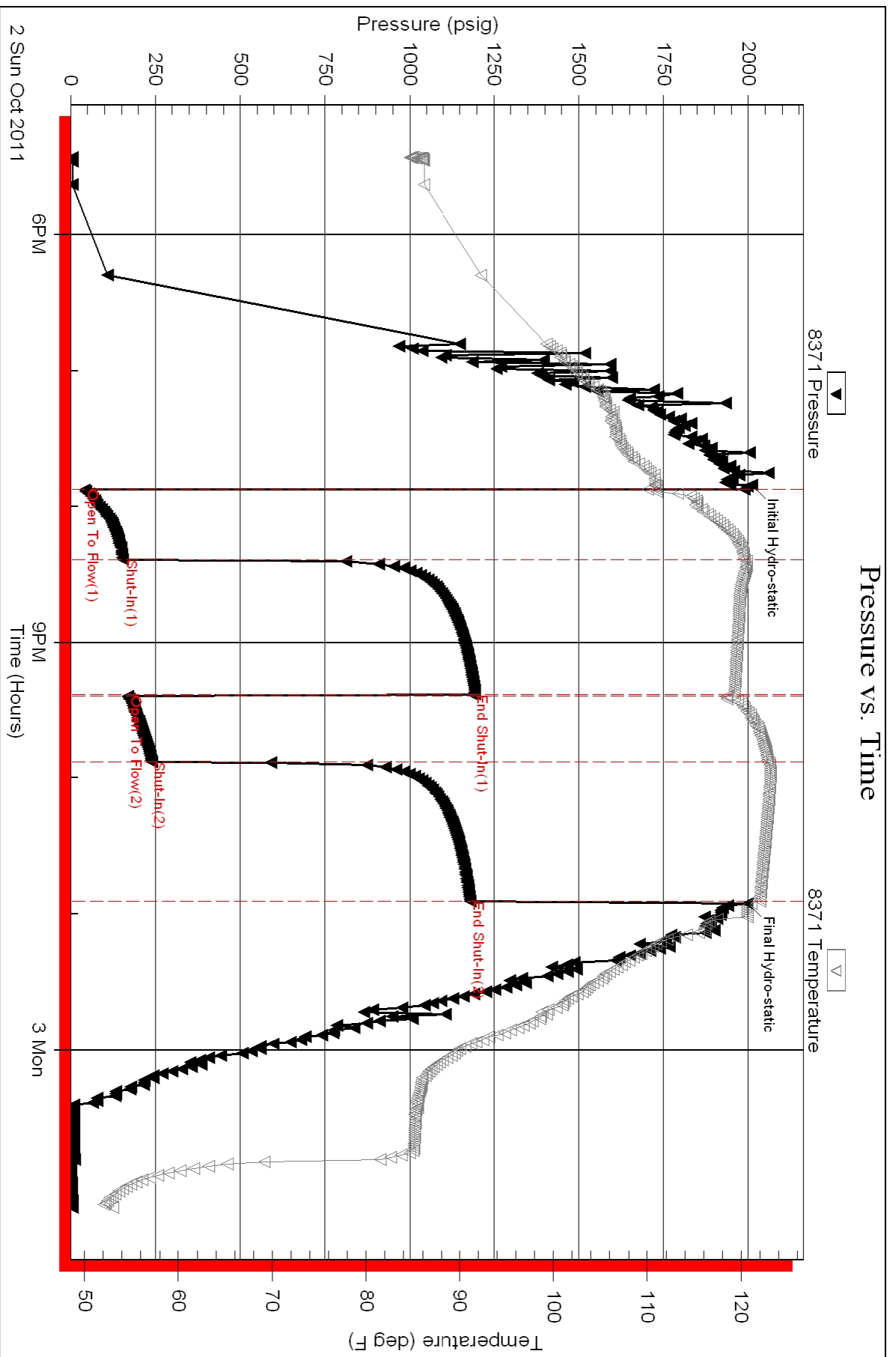
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 21 @ 60 F= 21

RW: .19 @ 57 F = 50,000







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
250 N Water STE 300  
Wichita KS, 67202-1216  
ATTN: Tom Funk

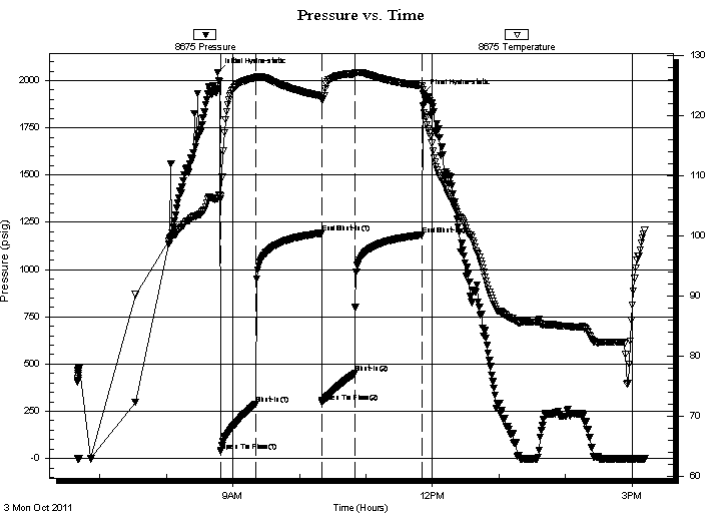
**14-10s-34w**  
**Soucie Seele Unit 1-**  
Job Ticket: 042148 **DST#: 2**  
Test Start: 2011.10.03 @ 06:40:00

## GENERAL INFORMATION:

Formation: **Lansing "C"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:49:00  
Time Test Ended: 15:11:45  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jace McKinney  
Unit No: 28  
Interval: ft (KB) To ft (KB) (TVD)  
Total Depth: 4167.00 ft (KB) (TVD)  
Reference Elevations: 3217.00 ft (KB)  
3206.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 11.00 ft

**Serial #: 8675** **Inside**  
Press @ Run Depth: 450.50 psig @ 4160.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.10.03 End Date: 2011.10.03 Last Calib.: 2011.10.03  
Start Time: 06:40:01 End Time: 15:11:45 Time On Btm: 2011.10.03 @ 08:46:30  
Time Off Btm: 2011.10.03 @ 11:51:45

**TEST COMMENT:** B.O.B. in 5 min.  
No return blow  
B.O.B. in 7 min.  
No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.06	106.24	Initial Hydro-static
3	38.96	106.17	Open To Flow (1)
34	289.25	126.22	Shut-In(1)
94	1192.72	123.21	End Shut-In(1)
94	299.30	122.81	Open To Flow (2)
124	450.50	126.92	Shut-In(2)
184	1183.30	124.90	End Shut-In(2)
186	1931.02	121.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
481.00	100% Water	5.05
186.00	mcw 10%M 90%W	2.61
201.00	ocmw 5%O 20%M 75%W	2.82

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 042148

**DST#: 2**

ATTN: Tom Funk

Test Start: 2011.10.03 @ 06:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
481.00	100% Water	5.047
186.00	mcw 10%M 90%W	2.609
201.00	ocmw 5%O 20%M 75%W	2.820

Total Length: 868.00 ft      Total Volume: 10.476 bbl

Num Fluid Samples: 0

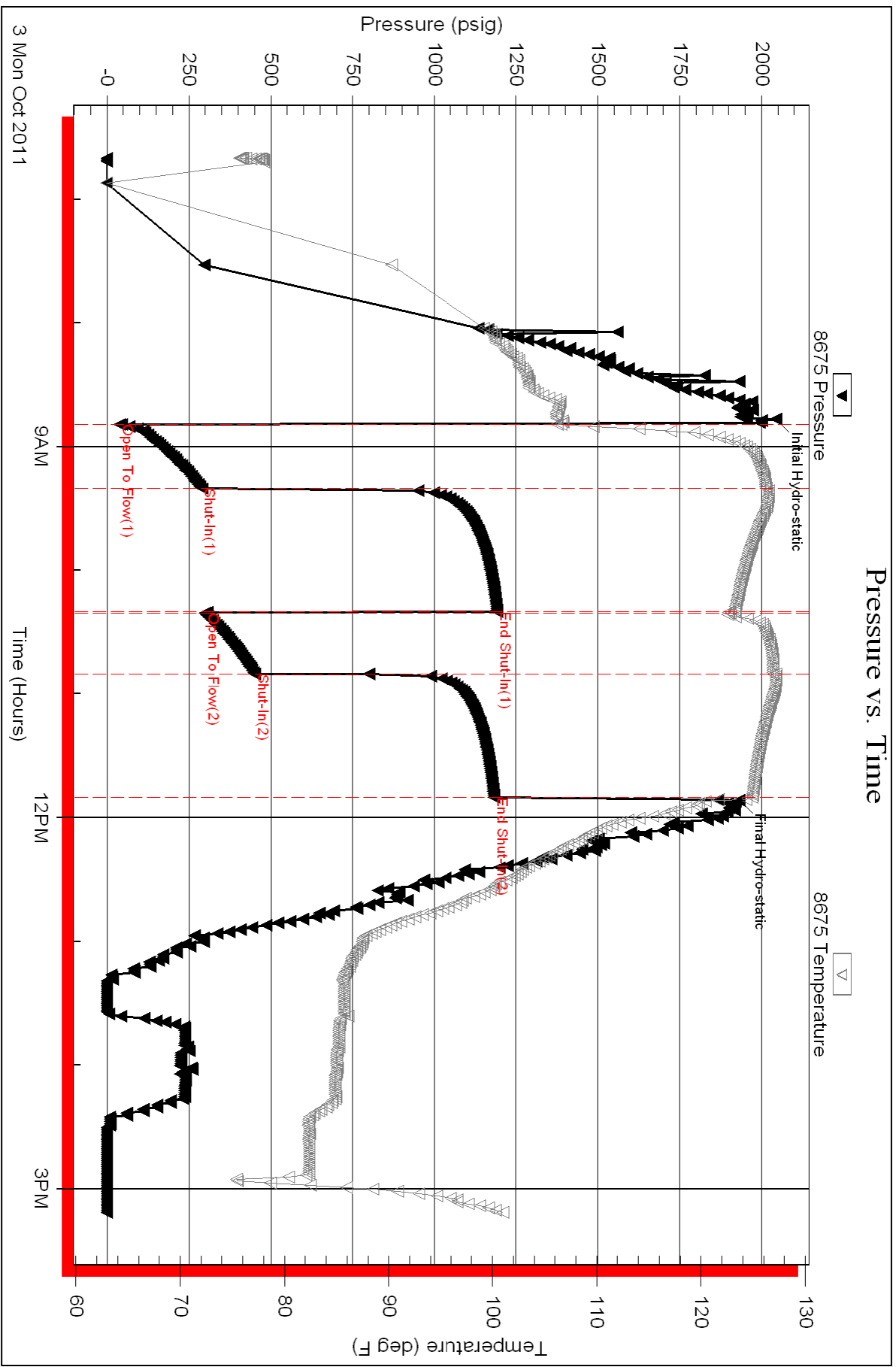
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .09 @ 88 F = 70,000





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
 250 N Water STE 300  
 Wichita KS, 67202-1216  
 ATTN: Tom Funk

**14-10s-34w**  
**Soucie Seele Unit 1-**  
 Job Ticket: 042149 **DST#: 3**  
 Test Start: 2011.10.04 @ 05:45:00

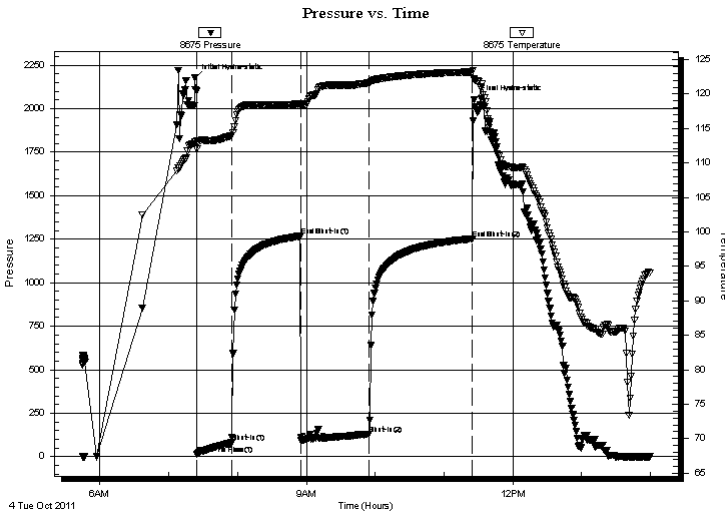
## GENERAL INFORMATION:

Formation: **Kansas City "H"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 07:24:45 Tester: Jace McKinney  
 Time Test Ended: 13:59:15 Unit No: 28  
 Interval: **4277.00 ft (KB) To 4310.00 ft (KB) (TVD)** Reference Elevations: 3217.00 ft (KB)  
 Total Depth: 4167.00 ft (KB) (TVD) 3206.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press @ Run Depth: 128.69 psig @ 4278.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.04 End Date: 2011.10.04 Last Calib.: 2011.10.04  
 Start Time: 05:45:01 End Time: 13:59:15 Time On Btm: 2011.10.04 @ 07:22:45  
 Time Off Btm: 2011.10.04 @ 11:26:00

**TEST COMMENT:** Built to 5 1/2" blow  
 No return blow  
 Built to 7" blow  
 No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.74	113.11	Initial Hydro-static
2	14.65	112.05	Open To Flow (1)
33	80.47	113.96	Shut-In(1)
92	1267.75	118.58	End Shut-In(1)
93	96.08	118.32	Open To Flow (2)
152	128.69	121.60	Shut-In(2)
242	1252.77	123.21	End Shut-In(2)
244	2053.20	122.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	w cgom 5%W 10%G 25%O 60%M	0.91
62.00	gco 10%G 90%O	0.86

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 042149

**DST#: 3**

ATTN: Tom Funk

Test Start: 2011.10.04 @ 05:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	w cgom 5%W 10%G 25%O 60%M	0.915
62.00	gco 10%G 90%O	0.864

Total Length: 248.00 ft      Total Volume: 1.779 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 24 @ 90 F= 21

Serial #: 8675

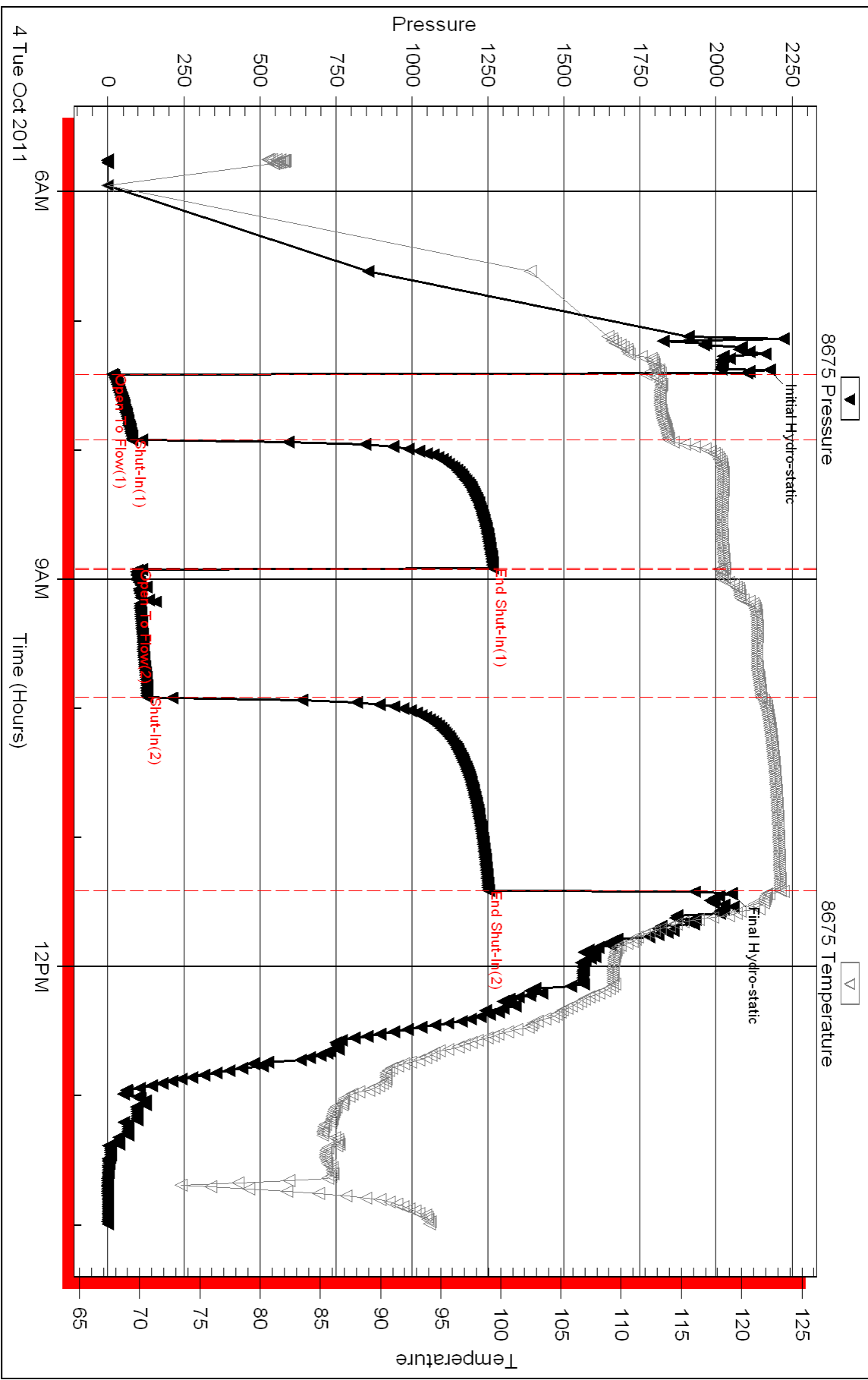
Inside

Murfin Drilling Company

Source Seele Unit 1-

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 042149

Printed: 2011.10.04 @ 14:28:03





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
 250 N Water STE 300  
 Wichita KS, 67202-1216  
 ATTN: Tom Funk

**14-10s-34w**  
**Soucie Seele Unit 1-**  
 Job Ticket: 042150 **DST#: 4**  
 Test Start: 2011.10.05 @ 12:00:00

## GENERAL INFORMATION:

Formation: **Kansas City "I-J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:07:15  
 Time Test Ended: 18:59:30  
 Interval: **4314.00 ft (KB) To 4365.00 ft (KB) (TVD)**  
 Total Depth: 4365.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 28  
 Reference Elevations: 3217.00 ft (KB)  
 3206.00 ft (CF)  
 KB to GR/CF: 11.00 ft

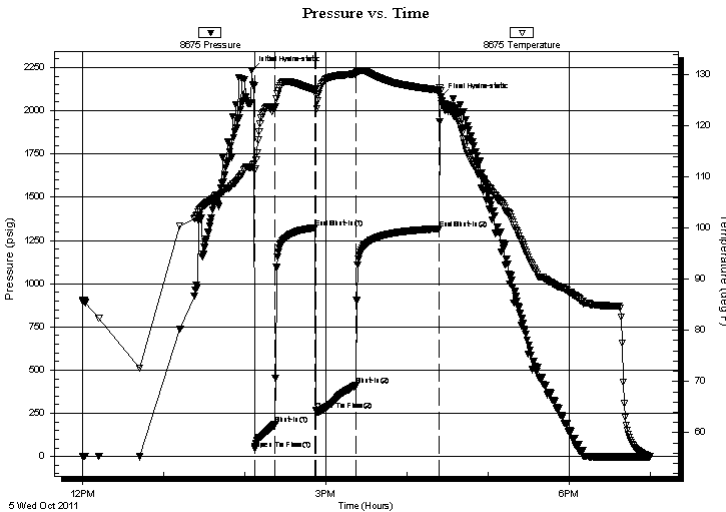
## Serial #: 8675

Inside

Press @ Run Depth: 411.95 psig @ 4315.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.05 End Date: 2011.10.05 Last Calib.: 2011.10.05  
 Start Time: 12:00:01 End Time: 18:59:30 Time On Btm: 2011.10.05 @ 14:05:15  
 Time Off Btm: 2011.10.05 @ 16:24:45

TEST COMMENT: B.O.B in 3 min.  
 Bled off for 5 min. B.O.B. in 15 min.  
 B.O.B. in 4 1/2 min.  
 Bled off for 5 min. Built to 8" return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.78	111.97	Initial Hydro-static
2	44.03	111.15	Open To Flow (1)
17	186.66	123.56	Shut-In(1)
47	1324.34	126.90	End Shut-In(1)
48	267.01	125.95	Open To Flow (2)
77	411.95	130.10	Shut-In(2)
139	1318.50	126.95	End Shut-In(2)
140	2079.01	126.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
248.00	gcmo 10%G 20%M 70%O	1.78
248.00	gco 50%G 50%O	3.48
402.00	100% Clean Oil	5.64
0.00	620 feet gas in pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 042150

**DST#: 4**

ATTN: Tom Funk

Test Start: 2011.10.05 @ 12:00:00

## 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: 5.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	gcmo 10%G 20%M 70%O	1.778
248.00	gco 50%G 50%O	3.479
402.00	100% Clean Oil	5.639
0.00	620 feet gas in pipe	0.000

Total Length: 898.00 ft      Total Volume: 10.896 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 37 @ 50 F = 38

Serial #: 8675

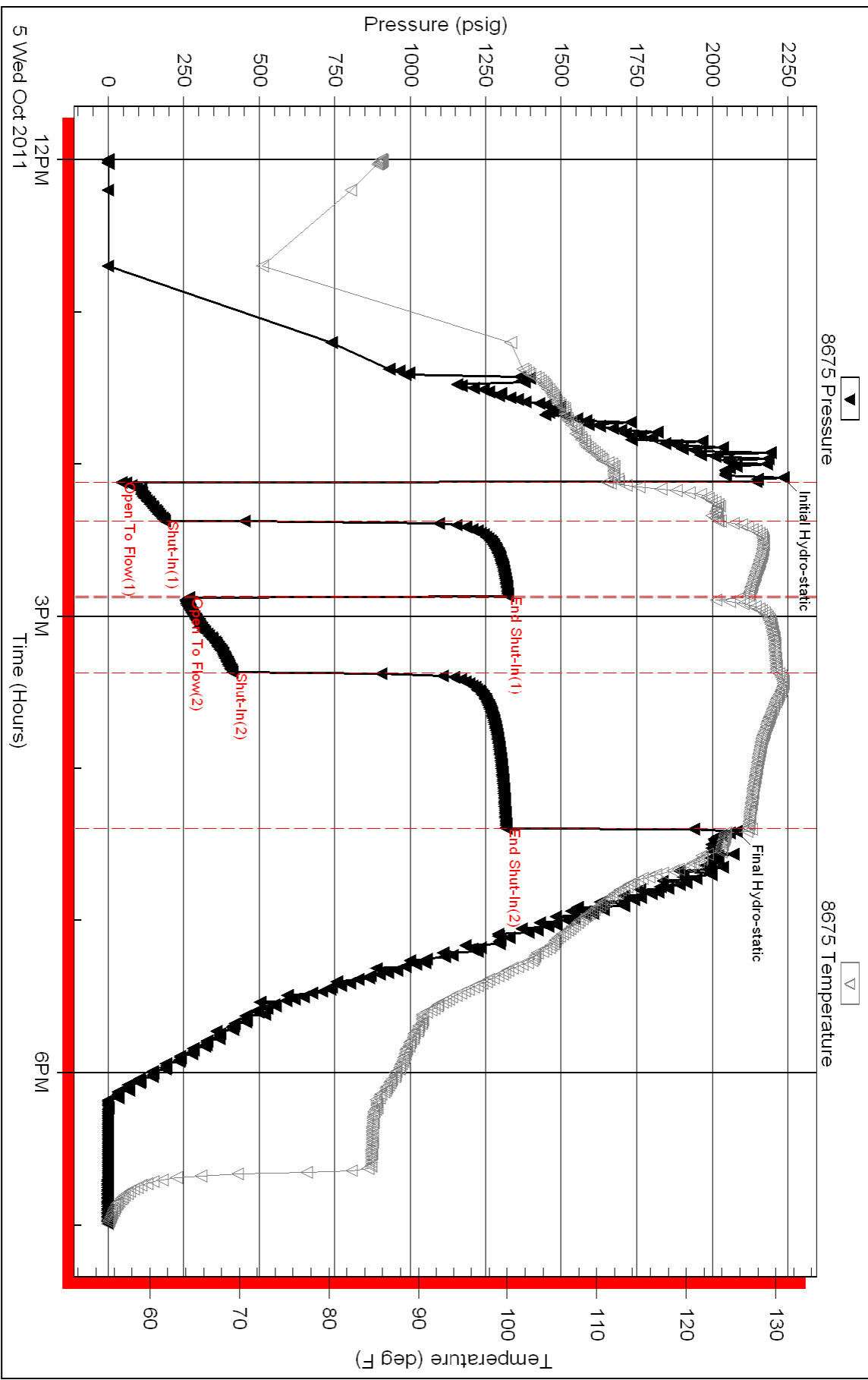
Inside

Murfin Drilling Company

Source Seele Unit 1-

DST Test Number: 4

# Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
 250 N Water STE 300  
 Wichita KS, 67202-1216  
 ATTN: Tom Funk

**14-10s-34w**  
**Soucie Seele Unit 1-**  
 Job Ticket: 44326 **DST#: 5**  
 Test Start: 2011.10.05 @ 13:50:00

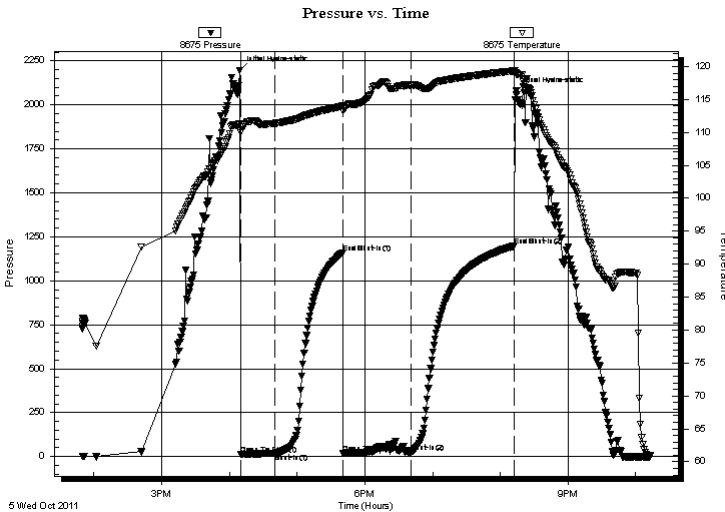
## GENERAL INFORMATION:

Formation: **Kansas City "K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:10:15  
 Time Test Ended: 22:12:30  
 Interval: **4367.00 ft (KB) To 4395.00 ft (KB) (TVD)**  
 Total Depth: 4395.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 28  
 Reference Elevations: 3217.00 ft (KB)  
 3206.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press @ Run Depth: 26.17 psig @ 4368.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.05 End Date: 2011.10.05 Last Calib.: 2011.10.05  
 Start Time: 13:50:01 End Time: 22:12:30 Time On Btm: 2011.10.05 @ 16:09:00  
 Time Off Btm: 2011.10.05 @ 20:13:45

**TEST COMMENT:** Built to 3/4" blow  
 No return blow  
 Weak surface blow  
 No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.14	111.27	Initial Hydro-static
2	13.16	109.91	Open To Flow (1)
31	18.24	111.36	Shut-In(1)
92	1160.36	114.01	End Shut-In(1)
92	19.98	113.25	Open To Flow (2)
152	26.17	117.16	Shut-In(2)
244	1198.41	119.35	End Shut-In(2)
245	2078.15	119.00	Final Hydro-static

## Recovery

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

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 44326

**DST#: 5**

ATTN: Tom Funk

Test Start: 2011.10.05 @ 13:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

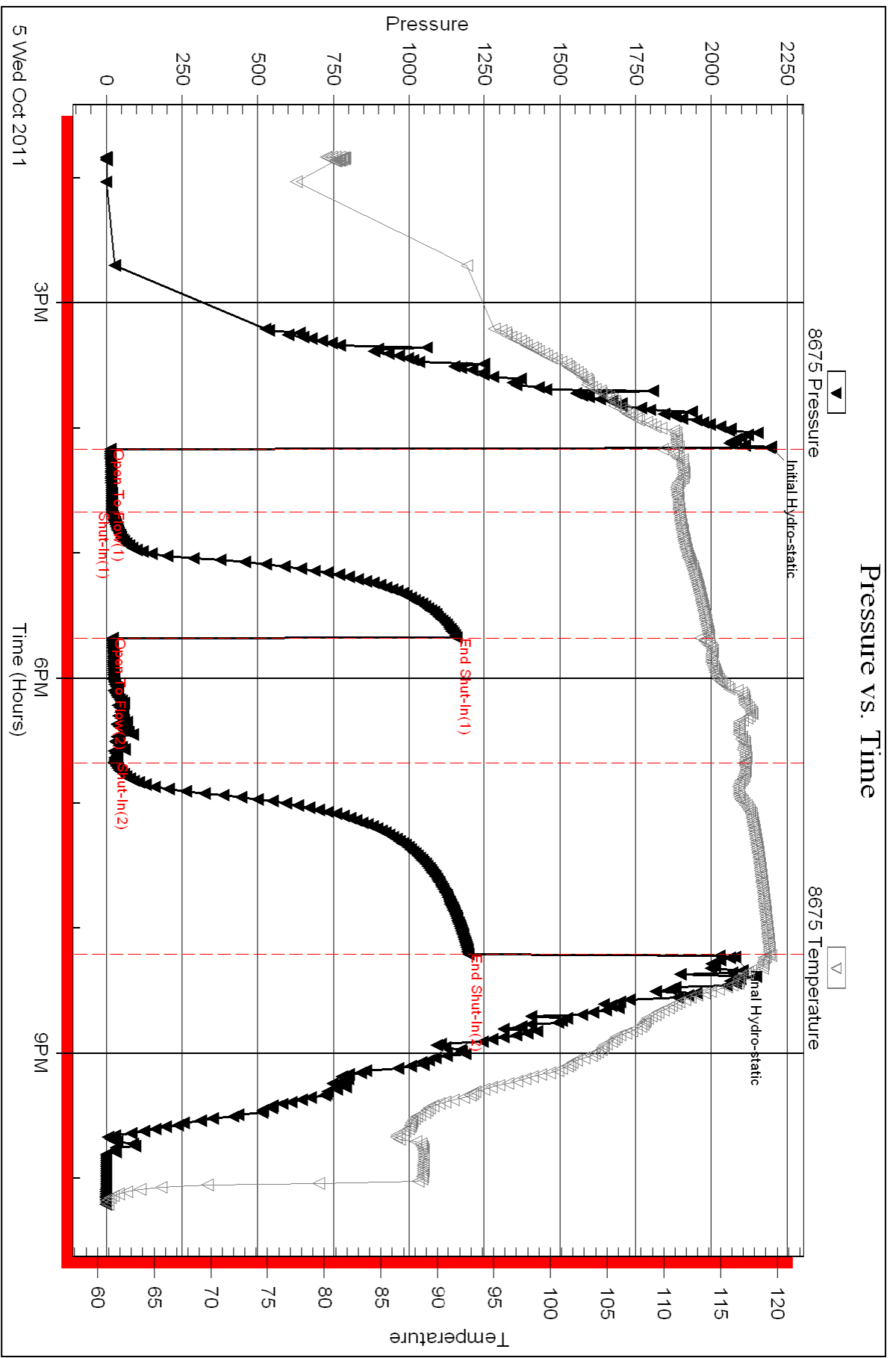
Serial #: 8675

Inside

Murfin Drilling Company

Source Seele Unit 1-

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 44326

Printed: 2011.10.06 @ 08:51:19





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
 250 N Water STE 300  
 Wichita KS, 67202-1216  
 ATTN: Tom Funk

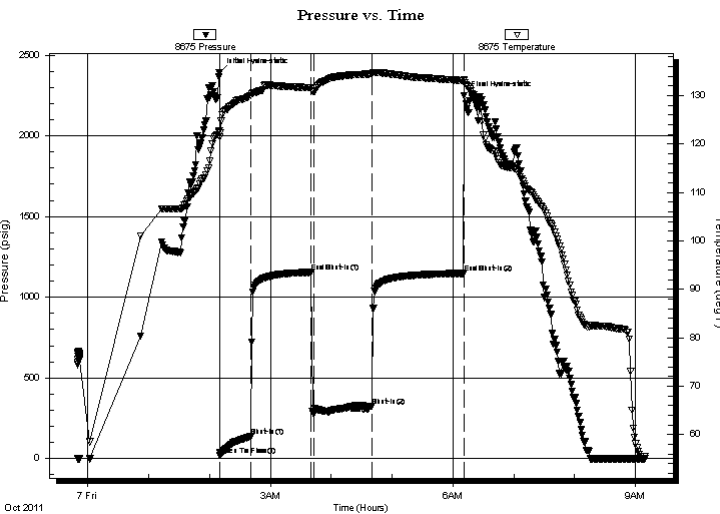
**14-10s-34w**  
**Soucie Seele Unit 1-**  
 Job Ticket: 44327 **DST#: 6**  
 Test Start: 2011.10.06 @ 23:50:00

## GENERAL INFORMATION:

Formation: **Myric Station**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 02:10:30 Tester: Jace McKinney  
 Time Test Ended: 09:09:00 Unit No: 28  
 Interval: ft (KB) To ft (KB) (TVD) Reference Elevations: 3217.00 ft (KB)  
 Total Depth: 4617.00 ft (KB) (TVD) 3206.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press @ Run Depth: 325.42 psig @ 4587.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.06 End Date: 2011.10.07 Last Calib.: 2011.10.07  
 Start Time: 23:50:01 End Time: 09:09:00 Time On Btm: 2011.10.07 @ 02:09:45  
 Time Off Btm: 2011.10.07 @ 06:11:15

**TEST COMMENT:** B.O.B. in 24 min.  
 Bled off for 5 min. No return blow  
 B.O.B. in 34 min  
 Bled off for 5 min. Weak return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2393.59	122.73	Initial Hydro-static
1	18.38	122.28	Open To Flow (1)
31	135.75	130.00	Shut-In(1)
91	1154.89	131.62	End Shut-In(1)
93	274.83	130.86	Open To Flow (2)
151	325.42	134.51	Shut-In(2)
241	1148.22	133.09	End Shut-In(2)
242	2249.38	133.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	100% Water	2.65
196.00	mcw 10%M 90%W	2.75

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 44327

**DST#: 6**

ATTN: Tom Funk

Test Start: 2011.10.06 @ 23:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7900.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
310.00	100% Water	2.648
196.00	mcw 10%M 90%W	2.749

Total Length: 506.00 ft      Total Volume: 5.397 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .21 @ 51 F = 50,000

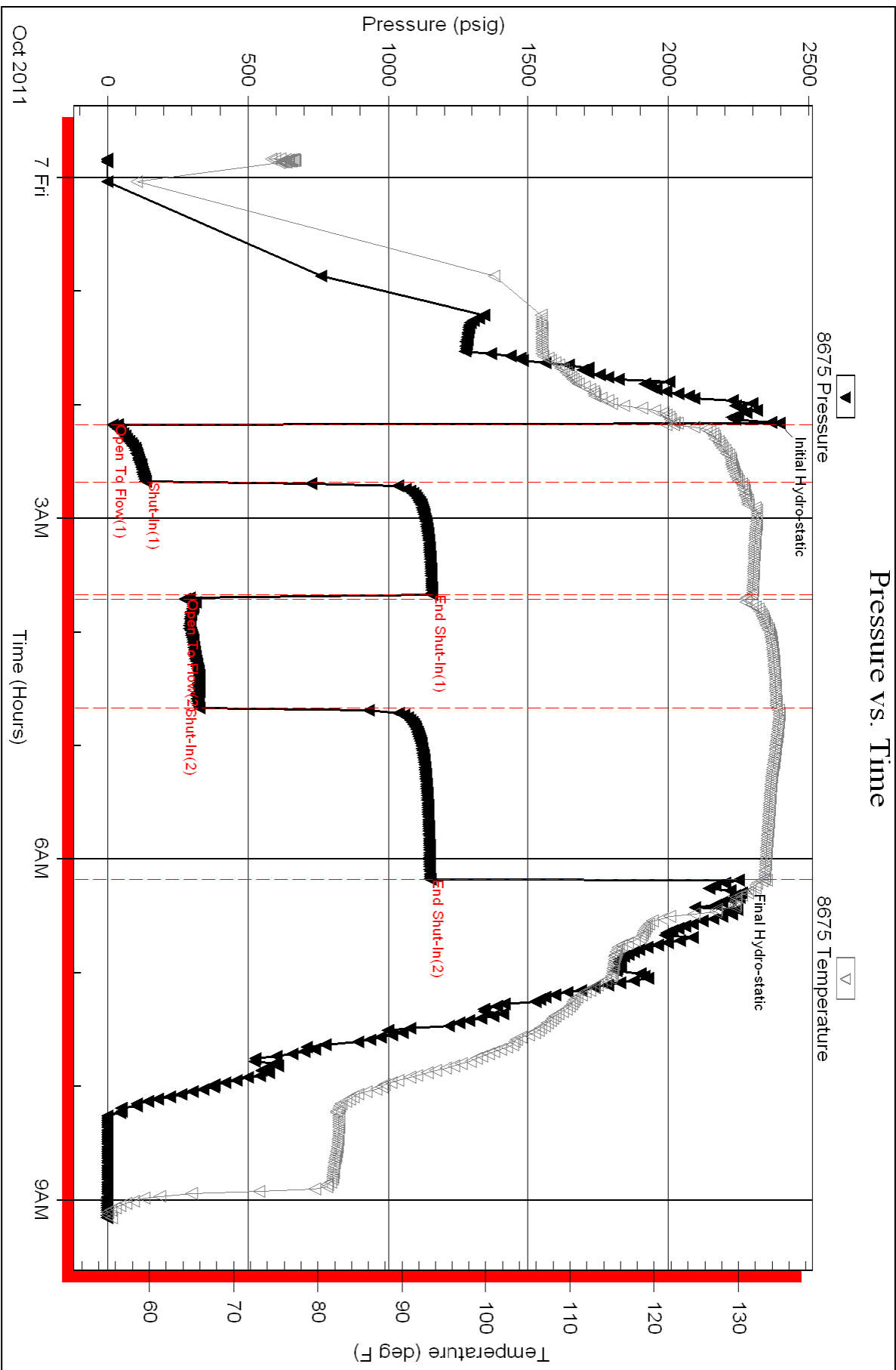
Serial #: 8675

Inside

Murfin Drilling Company

Source Seele Unit 1-

DST Test Number: 6





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
 250 N Water STE 300  
 Wichita KS, 67202-1216  
 ATTN: Tom Funk

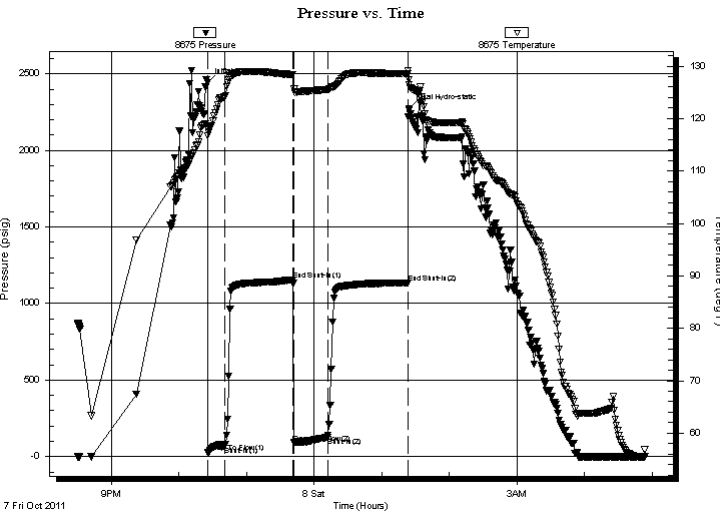
**14-10s-34w**  
**Soucie Seele Unit 1-**  
 Job Ticket: 44228 **DST#: 7**  
 Test Start: 2011.10.07 @ 20:30:00

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:25:30  
 Time Test Ended: 04:53:15  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 28  
 Interval: ft (KB) To ft (KB) (TVD)  
 Total Depth: 4730.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Reference Elevations: 3217.00 ft (KB)  
 3206.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press @ Run Depth: 126.95 psig @ 4670.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.10.07 End Date: 2011.10.08 Last Calib.: 2011.10.08  
 Start Time: 20:30:01 End Time: 04:53:15 Time On Btm: 2011.10.07 @ 22:25:15  
 Time Off Btm: 2011.10.08 @ 01:24:00

**TEST COMMENT:** B.O.B. in 10 min.  
 Bled off for 5 min. Built to 4 1/2" return blow  
 B.O.B. in 8 min.  
 Bled off for 5 min. Built to 7" return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2444.00	118.37	Initial Hydro-static
1	25.61	116.76	Open To Flow (1)
16	65.92	124.16	Shut-In(1)
76	1155.90	128.35	End Shut-In(1)
77	90.40	125.63	Open To Flow (2)
107	126.95	125.56	Shut-In(2)
178	1134.48	128.59	End Shut-In(2)
179	2272.02	127.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	gcom 30%G 30%O 40%M	0.91
248.00	100 % Oil	3.47

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company

**14-10s-34w**

250 N Water STE 300  
Wichita KS, 67202-1216

**Soucie Seele Unit 1-**

Job Ticket: 44228

**DST#: 7**

ATTN: Tom Funk

Test Start: 2011.10.07 @ 20:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gcom 30%G 30%O 40%M	0.915
248.00	100 % Oil	3.473

Total Length: 434.00 ft      Total Volume: 4.388 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 30 @ 60 F = 30

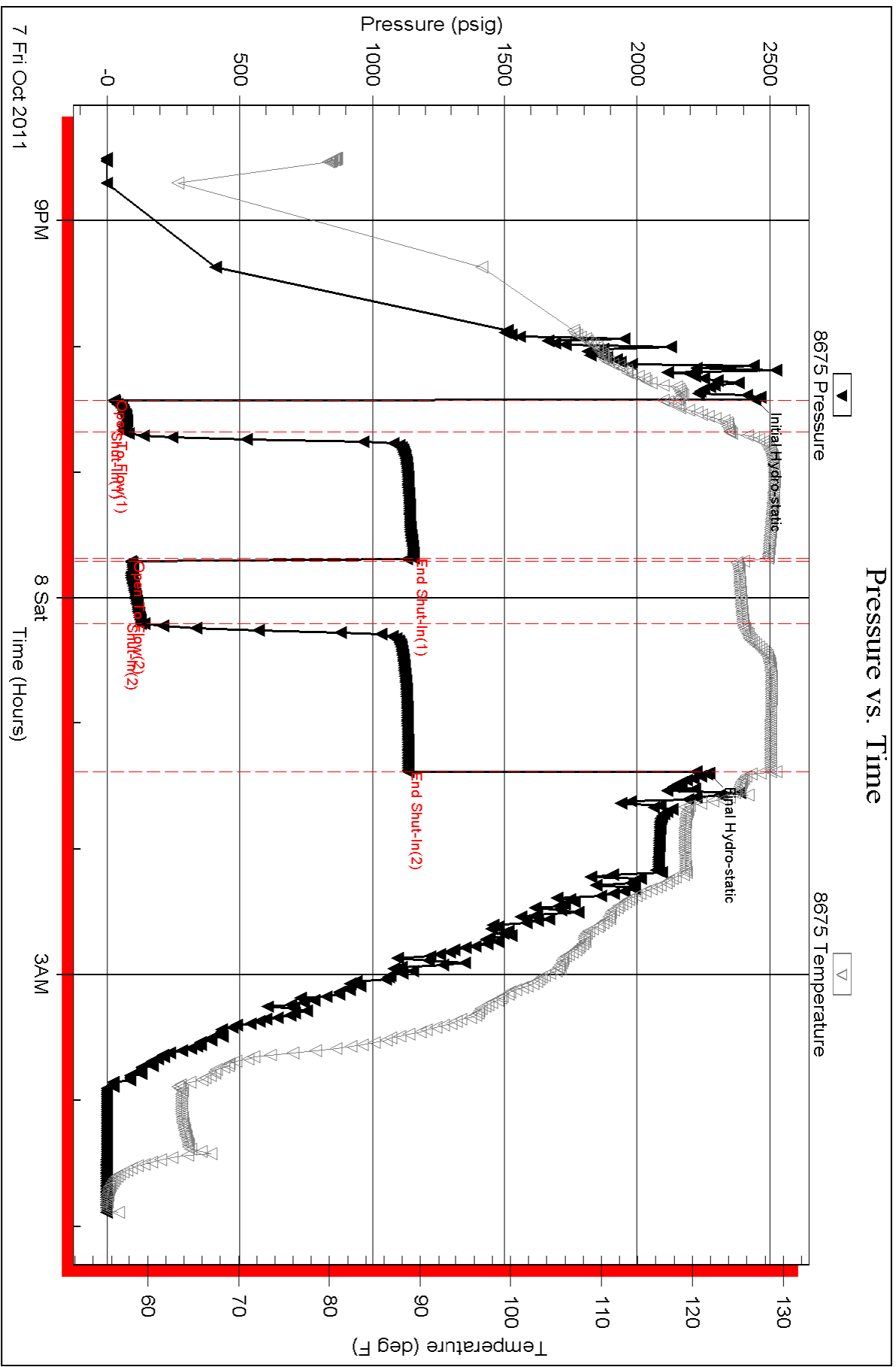
Serial #: 8675

Inside

Murfin Drilling Company

Source Seele Unit 1-

DST Test Number: 7







*acct. Sing*

# INVOICE

24 S. Lincoln Street  
P.O. Box 31  
Russell, KS 67665-2906

Invoice Number: 128730  
Invoice Date: Sep 27, 2011  
Page: 1

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

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

Federal Tax I.D.#: 20-5975804

*Operator Pay  
MDC*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	SoucieSeeleUnit#1-14	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Russell	Sep 27, 2011	10/27/11

Quantity	Item	Description	Unit Price	Amount
190.00	MAT	Class A Common	16.25	3,087.50
7.00	MAT	Chloride	58.20	407.40
197.00	SER	Handling	2.25	443.25
15.00	SER	Mileage 197 sx @.11 per sk per mi	21.67	325.05
1.00	SER	Surface	1,125.00	1,125.00
30.00	SER	Pump Truck Mileage	7.00	210.00
30.00	SER	Light Vehicle Mileage	4.00	120.00
1.00	CEMENTER	Glenn Ginther		
1.00	OPER ASSIST	Woody O'Neil		
1.00	CEMENTER	Terry Heinrich		

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

*Corrected*  
*Prv*  
*Urbal*  
*Tammy*

**\$ 1145.64**

ONLY IF PAID ON OR BEFORE  
**Oct 22, 2011**

Subtotal	5,718.20
Sales Tax	255.13
Total Invoice Amount	5,973.33
Discount/Credit Applied	
<b>TOTAL</b>	<b>5,973.33</b>

*2001.37*

*OKAD*

*2001.37*  
*3971.96*





P. O. Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300



# Invoice

DATE	INVOICE #
10/17/2011	20387

BILL TO
Murfin Drilling Co Inc PO Box 661 Colby, KS 67701-0661

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-14	Souice Seele	Thomas	Company Rig	Oil	Development	Cement Port Collar	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				70	Miles	6.00	420.00
576D-D	Pump Charge - Port Collar - 2763 Feet				1	Job	1,250.00	1,250.00
290	D-Air				3	Gallon(s)	35.00	105.00T
330	Swift Multi-Density Standard (MIDCON II)				230	Sacks	16.50	3,795.00T
276	Flocele				58	Lb(s)	2.00	116.00T
581D	Service Charge Cement				400	Sacks	2.00	800.00
583D	Drayage				1,428.14	Ton Miles	1.00	1,428.14
	Subtotal							7,914.14
	Sales Tax Thomas County						7.30%	293.17
USED FOR <u>IC 103</u>								
APPROVED <u>JR</u>								
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$8,207.31



Services, Inc.

CHARGE TO: Meridian Drilling  
 ADDRESS: Meridian Drilling Co  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
 20387

PAGE 1 OF 1

1. <u>Hess 581</u>	WELL/PROJECT NO. <u>1-14</u>	LEASE <u>Source</u>	COUNTY/PARISH <u>Selmer</u>	STATE <u>KS</u>	CITY	DATE <u>10-17-11</u>	OWNER
2. <u>Ness City KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	CONTRACTOR <u>Res</u>	RIG NAME/NO.	SHIPPED VIA <u>OT</u>	DELIVERED TO <u>Staley KS</u>	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY <u>Wildcat</u>	JOB PURPOSE <u>Cont. Drilling</u>	WELL PERMIT NO.		WELL LOCATION	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY.	UM	QTY.			UM	
575-						22 mi				600	13200		
576-D					Temp Change - Report Older	1 pa			228 ft		13500		
291					D.A. 2	3 gal				3500	10500		
279					Bel - Not Used					2000	7000		
330					Sand Cement	830 lbs				1050	37950		
276					Flare	58 lbs				800	11600		
581					Service Charge - Cement	720 lbs				200	8640		
583					Drugs	1428 lb				100	14280		
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.						REMIT PAYMENT TO: SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560						PAGE TOTAL <u>791414</u>	
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS						SURVEY						TOTAL <u>820731</u>	
DATE SIGNED <u>10-17-11</u>						OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?						TAXES 14.11% 7.3%	
TIME SIGNED <u>1200</u>						AGREE DECIDED DIS-AGREE						TOTAL <u>820731</u>	
DATE SIGNED <u>10-17-11</u>						OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?						TOTAL <u>820731</u>	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-17-11 PAGE NO. 1

CUSTOMER *Martin D. Co* WELL NO. *1-14* LEASE *Souice Seale* JOB TYPE *Cement Port Collar* TICKET NO. *20387*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:30							On location
	12:00							Set up Tub P.C @ 2763'
						1200	1200	Tst P.C closed - OK
		3	3			c	1000	Open P.C - establish Rate/psi
						c		Hook to H/S - close Ann
		3				550		Start H/d ahead
		3	12			450		Have Returns
		3				450		Start sand out @ 11.2 #/gal
		3	110			350		Cont out @ 200 SKS
		3	<del>1370</del>			450		Tst in 30 SKS 13.5 #/gal
						400		Fin out (230 SKS total)
		3	10					Disp 10 BBL
						1200	1200	close P.C Tst - OK
								Rig run 5 JTs
		2 1/2				400		Per-out 2 flags clear
		3	25			400		Fin Per-out
								Job Complete
								Wash up & Pack up
	1:00							
								<i>David</i>
								<i>David</i>
								<i>David</i>
								<u>40 SKS @ 11.2 to Pd</u>





P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



# Invoice

DATE	INVOICE #
10/9/2011	22225

BILL TO
Murfin Drilling Co Inc P. O. Box 130 Hill City, KS 67642-0130

USED FOR IC 103  
APPROVED SK

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-14	Soucie-Seele ...	Thomas	Company Tools	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				90	Miles	6.00	540.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
409-5	5 1/2" Turbolizer				15	Each	90.00	1,350.00T
403-5	5 1/2" Cement Basket				2	Each	250.00	500.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
413-5	5 1/2" Roto Wall Scratcher				20	Each	40.00	800.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				225	Sacks	13.50	3,037.50T
284	Calseal				11	Sack(s)	35.00	385.00T
283	Salt				1,150	Lb(s)	0.20	230.00T
285	CFR-1				150	Lb(s)	4.00	600.00T
276	Flocele				50	Lb(s)	2.00	100.00T
280	Flocheck 21				500	Gallon(s)	2.50	1,250.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				3	Gallon(s)	35.00	105.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				1,060.2	Ton Miles	1.00	1,060.20
	Subtotal							15,207.70
	Sales Tax Thomas County						7.30%	851.00
<b>We Appreciate Your Business!</b>						<b>Total</b>	<b>\$16,058.70</b>	



CHARGE TO: MURFIN DRILLING  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET NO 222225

PAGE 1 OF 2

1. SERVICE LOCATIONS: Well PROJECT NO. 1-14 LEASE: secure-seale wit COUNTY/PARISH: Thomas STATE: LA CITY: Monroeville DATE: 9 Oct 11 OWNER:   
 2. TICKET TYPE:  SERVICE CONTRACTOR:   
 SALES   
 3. WELL TYPE: TD665 RIG NAME/NO.: 2 SHIPPED: VCT DELIVERED TO: 1000th WELLS PERMIT NO.:   
 4. REFERRAL LOCATION: Development JOB PURPOSE: cement long string WELLS LOCATION: 14-10-34W

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TRK 114	90	00			6 00	540 00
578					Pump Charge	1	ea			1500 00	1500 00
402	409				Contractor Turbulator	15	ea			90 00	1350 00
403					Cement Basket	5	in	2	ea	250 00	500 00
404					Port Collar	1	in	1	ea	2400 00	2400 00
406					latch down ply & baffle	5	in	1	ea	250 00	250 00
407					insert float shoe w/ auto circl	5	in	1	ea	350 00	350 00
413					Poto well scratcher	5	in	20	ea	40 00	800 00
419					Rotating head rental	5	in	1	ea	200 00	200 00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: Wade King TIME SIGNED:  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE UNDERSTOOD AND MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?  WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  ARE YOU SATISFIED WITH OUR SERVICE?  CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 1 7890 00  
 2 7317 70  
 TOTAL 16,058 70

APPROVAL: AS Campbell

Thank You!





JOB LOG

SWIFT Services, Inc.

DATE 7 Oct 11 PAGE NO.

CUSTOMER MURFIN DRILLING

WELL NO. 1-14

LEASE source-seal unit

JOB TYPE cement long string

TICKET NO. 22225

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								225 EA-2 w/ $\frac{3}{4}$ " CR - 1
								117jts 5 $\frac{1}{2}$ " 15.5# casing - 4875'
								21' shoejt - insurt @ 4873'
								Centralizers every joint 1-14, 50 Baskets 50, 51
								RTD 4900' LTD 4902'
	1200							on loc TRK 114
	1515							start 5 $\frac{1}{2}$ " 15.5# casing in well
	1620							circulate @ #60 - 15 min -
	1730							Drop ball - circulate - ROTATE
	1830	4 $\frac{3}{4}$	15			200		Pump 15 bbl H <sub>2</sub> O
		4 $\frac{3}{4}$	12			200		Pump 500 gal Flocheck 21
		4 $\frac{3}{4}$	5			200		Pump 5 bbl H <sub>2</sub> O
			10					Plug RH - MH <u>30skts</u> - <u>20skts</u>
	1845	4 $\frac{3}{4}$				200		mix <u>175 skts</u> EA-2 @ 15.3 ppg
		4 $\frac{3}{4}$	43			200		
	1857							Drop latch down plug
								Wash out Pump line
	1900	6 $\frac{3}{4}$				200		Displace plug w/ H <sub>2</sub> O
		6 $\frac{3}{4}$	100			400		
	1915	6 $\frac{3}{4}$	116			1500		LAND Plug
	1917							Release pressure to truck - dried up
	1923							wash truck
								Rack up
	1955							job complete
								Thank Russ, Blair & Dave