



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
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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

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: \_\_\_\_\_



1054166

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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
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<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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Snodgrass 5-17
Doc ID	1054166

Tops

Name	Top	Datum
Anhydrite	1712	+ 695
B/Anhydrite	1745	+ 662
Heebner Shale	3770	- 1363
Lansing	3806	- 1399
Stark Shale	4037	- 1630
B/KC	4092	- 1685
Marmaton	4134	- 1730
Pawnee	4198	- 1791
Fort Scott	4294	- 1887
Cherokee Shale	4318	- 1911
Mississippian	4472	- 2065
Arbuckle	4751	- 2344

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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

April 19, 2011

Mark Shreve  
Mull Drilling Company, Inc.  
1700 N WATERFRONT PKWY  
BLDG 1200  
WICHITA, KS 67206

Re: ACO1  
API 15-135-25200-00-00  
Snodgrass 5-17  
SE/4 Sec.17-17S-23W  
Ness 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,  
Mark Shreve



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mull Drilling Co. Inc.  
 1700 N Waterfront PKWY  
 Wichita Ks 67206  
 ATTN: Kevin Kesler

**Snoddgrass 5-17**  
**17-17s-23w, Ness, Ks**  
 Job Ticket: 41906 **DST#: 1**  
 Test Start: 2011.01.25 @ 09:15:13

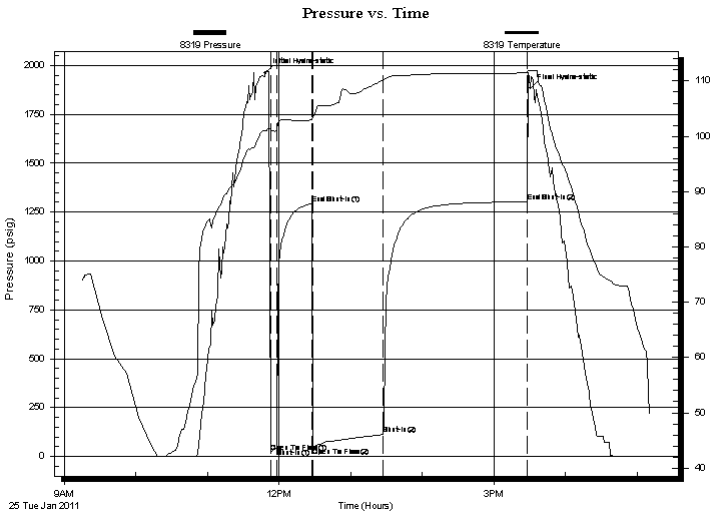
## GENERAL INFORMATION:

Formation: **LKC "J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:52:43  
 Time Test Ended: 17:10:43  
 Interval: **4000.00 ft (KB) To 4030.00 ft (KB) (TVD)**  
 Total Depth: 4030.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47  
 Reference Elevations: 2407.00 ft (KB)  
 2402.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8319 Outside**  
 Press @ Run Depth: 112.13 psig @ 4001.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.01.25 End Date: 2011.01.25 Last Calib.: 2011.01.25  
 Start Time: 09:15:18 End Time: 17:10:42 Time On Btm: 2011.01.25 @ 11:48:43  
 Time Off Btm: 2011.01.25 @ 15:30:43

**TEST COMMENT:** IF-2.25in blow  
 IS-No blow  
 FF-6.75in blow  
 FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.17	100.99	Initial Hydro-static
4	19.74	101.15	Open To Flow (1)
9	42.89	101.13	Shut-In(1)
39	1292.97	102.93	End Shut-In(1)
40	47.32	103.50	Open To Flow (2)
98	112.13	110.12	Shut-In(2)
219	1302.89	111.48	End Shut-In(2)
222	1882.82	111.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	MCW 70%W 30%M	1.40
20.00	SMCW 80%W 20%M	0.28

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mull Drilling Co. Inc.

**Snoddgrass 5-17**

1700 N Waterfront PKWY  
Wichita Ks 67206

**17-17s-23w, Ness, Ks**

Job Ticket: 41906

**DST#: 1**

ATTN: Kevin Kesler

Test Start: 2011.01.25 @ 09:15:13

## 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: 110000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	MCW 70%W 30%M	1.395
20.00	SMCW 80%W 20%M	0.281

Total Length: 200.00 ft      Total Volume: 1.676 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

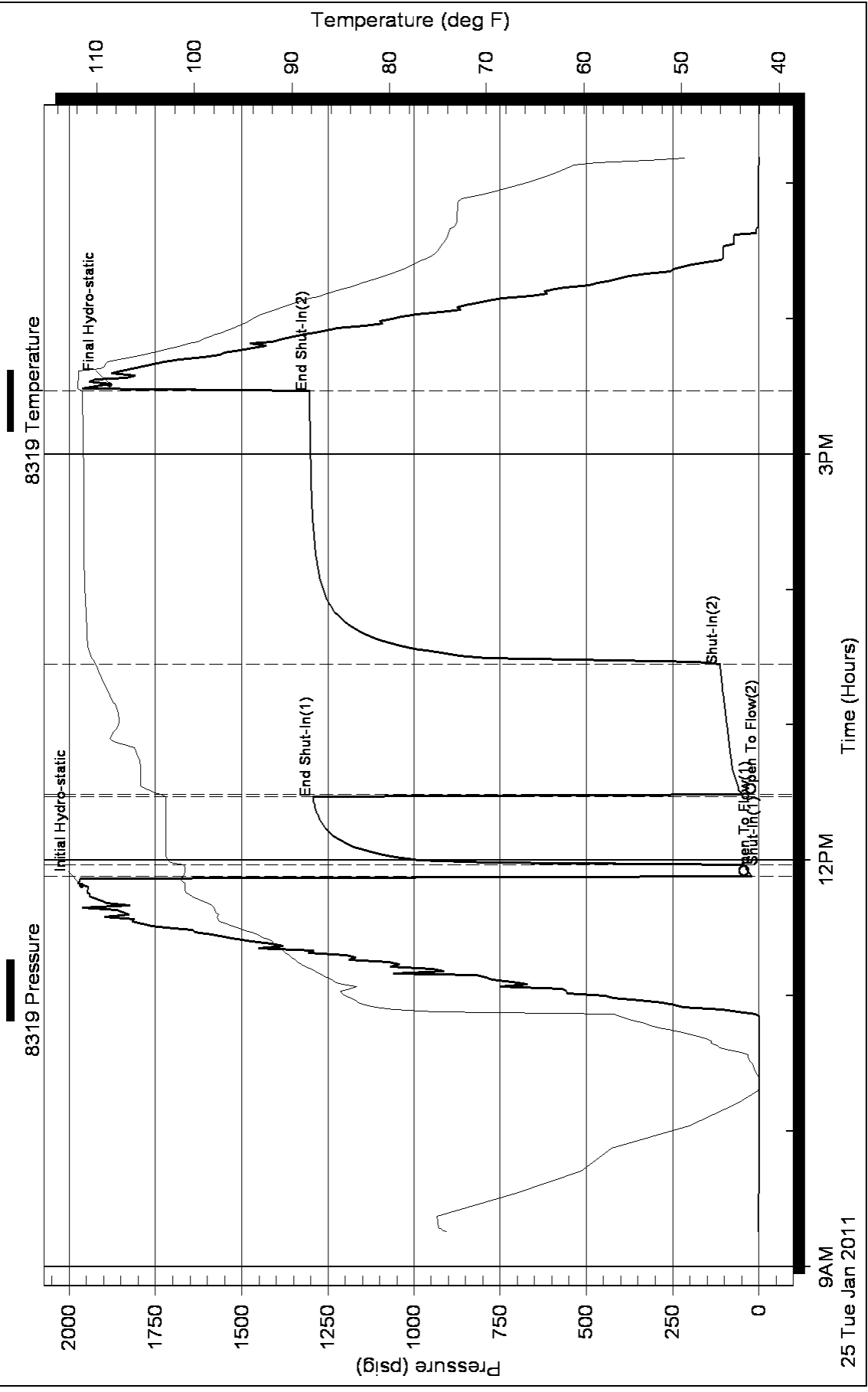
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mull Drilling Co. Inc.  
1700 N Waterfront PKWY  
Wichita Ks 67206  
ATTN: Kevin Kesler

**Snoddgrass 5-17**  
**17-17s-23w, Ness, Ks**  
Job Ticket: 41907 **DST#: 2**  
Test Start: 2011.01.26 @ 21:35:10

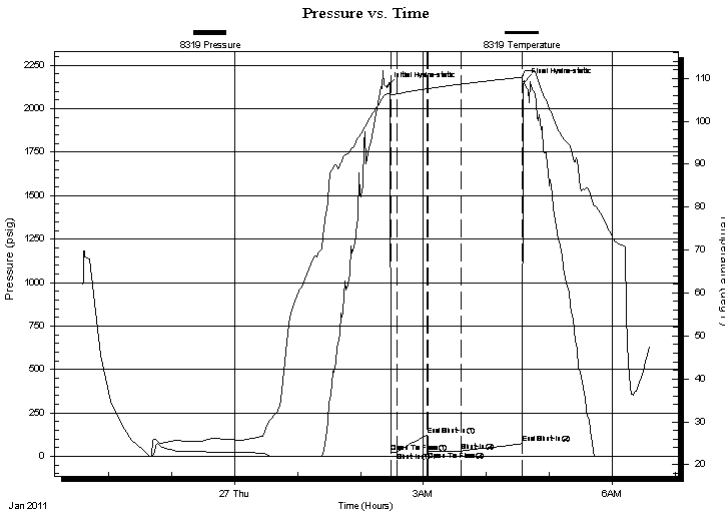
## GENERAL INFORMATION:

Formation: **Cherokee Sd.**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 02:29:10  
Time Test Ended: 06:36:10  
Interval: **4300.00 ft (KB) To 4400.00 ft (KB) (TVD)**  
Total Depth: 4400.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Reference Elevations: 2407.00 ft (KB)  
2402.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8319 Outside**  
Press @ RunDepth: 31.40 psig @ 4301.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.01.26 End Date: 2011.01.27 Last Calib.: 2011.01.27  
Start Time: 21:35:15 End Time: 06:36:10 Time On Btm: 2011.01.27 @ 02:25:40  
Time Off Btm: 2011.01.27 @ 04:36:09

**TEST COMMENT:** IF-1in blow  
ISI-No blow  
FF-Very weak surface blow died in 9min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.22	106.38	Initial Hydro-static
4	24.41	106.11	Open To Flow (1)
10	26.64	106.38	Shut-In(1)
38	123.48	107.58	End Shut-In(1)
39	28.05	107.58	Open To Flow (2)
70	31.40	108.64	Shut-In(2)
129	73.86	110.27	End Shut-In(2)
131	2152.44	111.44	Final Hydro-static

## Recovery

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

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mull Drilling Co. Inc.

**Snoddgrass 5-17**

1700 N Waterfront PKWY  
Wichita Ks 67206

**17-17s-23w, Ness, Ks**

Job Ticket: 41907

**DST#: 2**

ATTN: Kevin Kesler

Test Start: 2011.01.26 @ 21:35:10

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

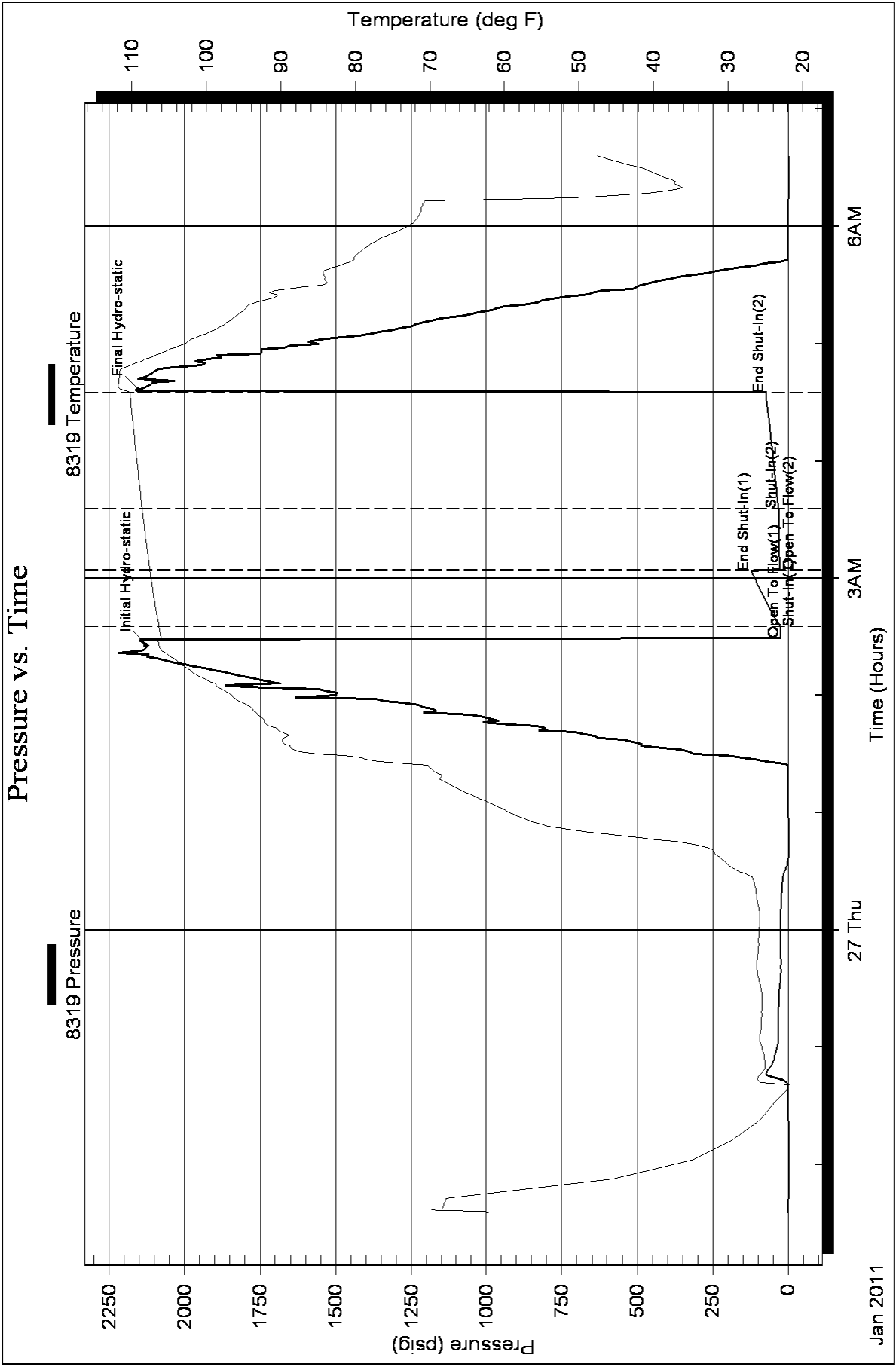
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mull Drilling Co. Inc.  
1700 N Waterfront PKWY  
Wichita Ks 67206  
ATTN: Kevin Kesler

**Snoddgrass 5-17**  
**17-17s-23w, Ness, Ks**  
Job Ticket: 41908 **DST#: 3**  
Test Start: 2011.01.27 @ 12:35:16

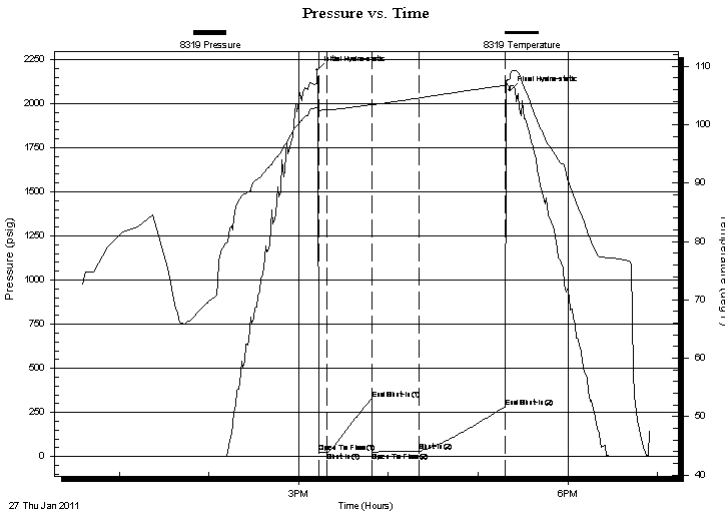
## GENERAL INFORMATION:

Formation: **Cherokee**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:13:46  
Time Test Ended: 18:54:46  
Interval: **4340.00 ft (KB) To 4415.00 ft (KB) (TVD)**  
Total Depth: 4415.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Reference Elevations: 2407.00 ft (KB)  
2402.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8319 Outside**  
Press @ Run Depth: 28.77 psig @ 4345.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.01.27 End Date: 2011.01.27 Last Calib.: 2011.01.27  
Start Time: 12:35:21 End Time: 18:54:45 Time On Btm: 2011.01.27 @ 15:12:16  
Time Off Btm: 2011.01.27 @ 17:21:16

**TEST COMMENT:** IF-3/4in blow  
ISI-No blow  
FF-Very weak surface blow died in 8min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.86	102.96	Initial Hydro-static
2	23.17	102.20	Open To Flow (1)
7	24.86	102.54	Shut-In(1)
37	328.00	103.44	End Shut-In(1)
37	26.05	103.35	Open To Flow (2)
68	28.77	104.56	Shut-In(2)
126	281.05	106.73	End Shut-In(2)
129	2074.10	107.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mull Drilling Co. Inc.

**Snoddgrass 5-17**

1700 N Waterfront PKWY  
Wichita Ks 67206

**17-17s-23w, Ness, Ks**

Job Ticket: 41908

**DST#: 3**

ATTN: Kevin Kesler

Test Start: 2011.01.27 @ 12:35:16

## 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

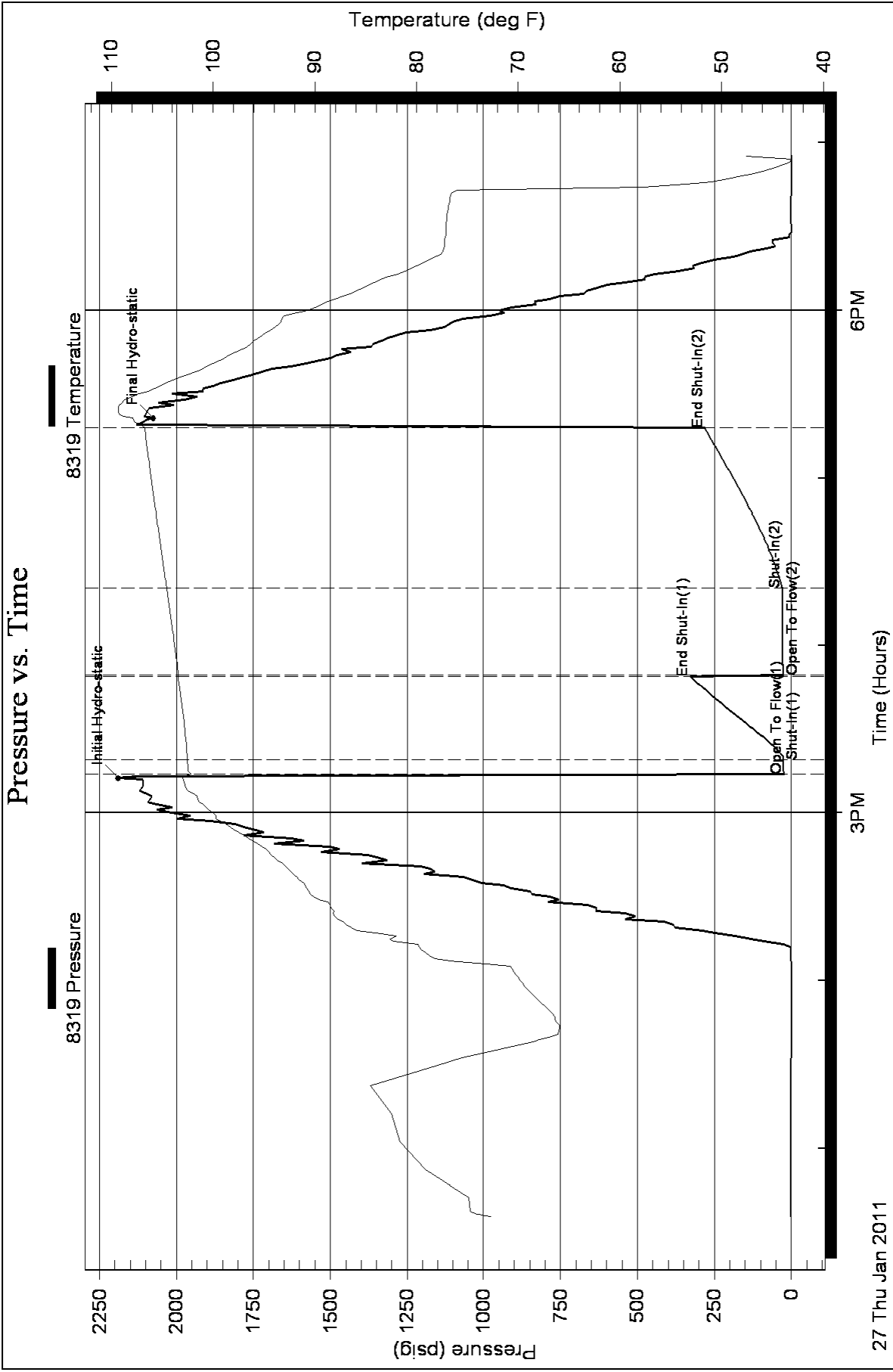
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

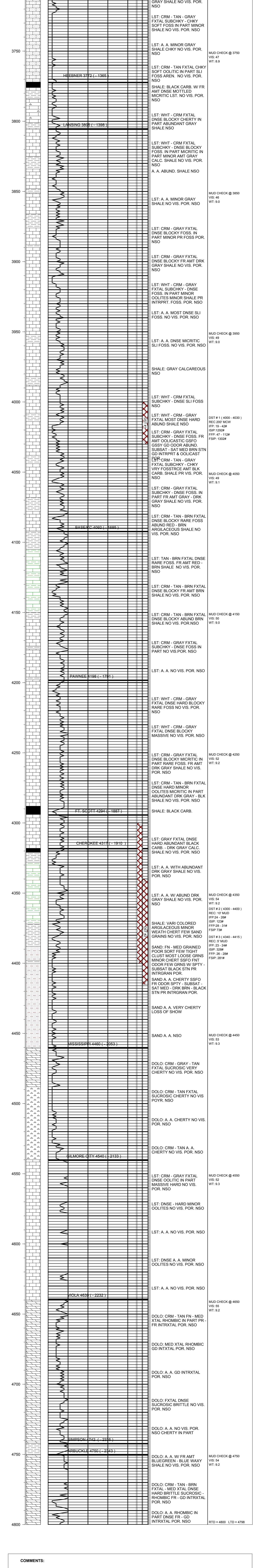


# KEVIN L. KESSLER

## CONSULTING PETROLEUM GEOLOGIST

( 316 ) 522-7338

<b>OPERATOR : MULL DRILLING CO. INC.</b> <b>LEASE : SNODGRASS                      WELL # : 5 - 17</b> <b>LOCATION : 335' FSL &amp; 335' FEL</b> <b>SEC: 17                                      TWP : 17 S                                      RGE : 23 W</b> <b>COUNTY : NESS                                      STATE : KANSAS</b>		<b>ELEVATION</b> <b>KB : 2407</b> <b>GL : 2402</b> <b>MEASUREMENTS FROM</b> <b>KB</b>																																																																
<b>CONTRACTOR : W W DRILLING RIG # 10</b> <b>COMM: 01 / 21 / 2011                                      COMP : 01 / 29 / 2011</b> <b>RTD : 4800                                      LOG TD : 4798</b> <b>SAMPLES SAVED FROM : 3600                                      TO : RTD</b> <b>GEOLOGICAL SUPERVISION FROM : 3600                                      TO : RTD</b> <b>MUD UP : 3600                                      TYPE MUD : CHEMICAL</b>		<b>CASING RECORD</b> <b>SURFACE :</b> <b>8 5/8 @ 224'</b> <b>PRODUCTION :</b> <b>5.5 @ 4760</b>																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">FORMATION</th> <th style="width: 10%;">TOP</th> <th style="width: 15%;">LOG</th> <th style="width: 10%;">DATUM</th> <th style="width: 15%;">TOP</th> <th style="width: 15%;">SAMPLE</th> <th style="width: 10%;">DATUM</th> <th style="width: 10%;">STRUCT. COMP.</th> </tr> </thead> <tbody> <tr> <td>HEEBNER</td> <td>3770</td> <td></td> <td>- 1363</td> <td>3772</td> <td></td> <td>- 1365</td> <td>- 06</td> </tr> <tr> <td>LANSING</td> <td>3805</td> <td></td> <td>- 1398</td> <td>3805</td> <td></td> <td>- 1398</td> <td>- 04</td> </tr> <tr> <td>STARK</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>BASE / KC</td> <td>4092</td> <td></td> <td>- 1685</td> <td>4092</td> <td></td> <td>- 1685</td> <td>- 10</td> </tr> <tr> <td>FT SCOTT</td> <td>4294</td> <td></td> <td>- 1887</td> <td>4294</td> <td></td> <td>- 1887</td> <td>- 10</td> </tr> <tr> <td>CHEROKEE</td> <td>4317</td> <td></td> <td>- 1910</td> <td>4317</td> <td></td> <td>- 1910</td> <td>- 10</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4460</td> <td></td> <td>- 2053</td> <td>4460</td> <td></td> <td>- 2053</td> <td>- 70</td> </tr> </tbody> </table>		FORMATION	TOP	LOG	DATUM	TOP	SAMPLE	DATUM	STRUCT. COMP.	HEEBNER	3770		- 1363	3772		- 1365	- 06	LANSING	3805		- 1398	3805		- 1398	- 04	STARK								BASE / KC	4092		- 1685	4092		- 1685	- 10	FT SCOTT	4294		- 1887	4294		- 1887	- 10	CHEROKEE	4317		- 1910	4317		- 1910	- 10	MISSISSIPPI	4460		- 2053	4460		- 2053	- 70	<b>ELECTRICAL SURVEYS:</b>  <b>DIL</b> <b>CNL / CDL</b>  <b>MICRO</b>  <b>SONIC</b>
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MISSISSIPPI	4460		- 2053	4460		- 2053	- 70																																																											
<b>REFERENCE WELL FOR STRUCTURAL COMPARISON :</b>  <b>MULL DRILLING CO INC. # 4 - 17 SNODGRASS      SEC.17 - T 17 S - R 23 W                      NESS COUNTY KANSAS</b>																																																																		



**COMMENTS:**

**DUE TO NEGATIVE DST RESULTS & LOW STUCTURAL POSITION THIS WELL WAS DRILLED DOWN TO THE ARBUCKLE TO MAKE A DISPOSEL WELL.**

**KEVIN L. KESSLER**



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 894, Chanute, KS 66720  
620-431-9210 or 800-467-8676

TICKET NUMBER 27981  
LOCATION Oakley, Ks.  
FOREMAN Pat Heister

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-21-11	5659	Snodgrass # 5-17	17	17S	23W	Ness
CUSTOMER <u>Mill Drilling Company, Inc.</u>			28324 55th Rd 210 E to rig			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			<u>465</u>	<u>Miles</u>		
STATE			<u>439</u>	<u>Josh G.</u>		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 224 CASING SIZE & WEIGHT 3 3/8 24.75  
 CASING DEPTH 216 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL. \_\_\_\_\_ WATER gal/sk 5.6 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 13 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Softmooting mix 115 sk 3% cc 2% gel Displace 13' @ 11.20 - @  
100 PSI shooting @ 180 PSI

circulated good cement

Thank you  
Pat + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	985 <sup>00</sup>	985 <sup>00</sup>
5466	20 mi	MILEAGE	4 <sup>85</sup>	97 <sup>00</sup>
5407	1	Min Bulk Delivery	300 <sup>00</sup>	300 <sup>00</sup>
11045	160 sk	Class "A" cement	16 <sup>00</sup>	2560 <sup>00</sup>
1102	451 lb	Calcium chloride	18 <sup>00</sup>	8118 <sup>00</sup>
1118D	300 lb	Bentonite gel	20 <sup>00</sup>	60 <sup>00</sup>
		<u>239267</u>		
		Subtotal		4483 <sup>00</sup>
		Less	20%	897 <sup>00</sup>
				3586 <sup>00</sup>
		SALES TAX		190 <sup>06</sup>
		ESTIMATED TOTAL		3781 <sup>06</sup>

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE 1-21-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this fo



Services, Inc.

CHARGE TO: MULL Drilling  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
 20077

PAGE 1 OF 2

SERVICE LOCATIONS: Am City 18 WELL/PROJECT NO. 5-17 LEASE Snuggs well COUNTY/PARISH NEAD STATE KS CITY Neosho ORDER NO. 50911 OWNER  
 1. TICKET TYPE  SERVICE  SALES CONTRACTOR  
 2. WELL TYPE 051 WELL CATEGORY Development JOB PURPOSE cement long string DELIVERED TO location  
 3. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT	SURVEY	
												OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	WE UNDERSTOOD AND MET YOUR NEEDS?
575		1			MILEAGE TRK 114	15	mi						
578		1			Pump Charge	1	ea			1400	00		
402		1			Centrifugers	3	in	7	ea	55	00		
403		1			Powerst Bracket	5	in	2	ea	200	00		
404		1			Pass Collar	5	in	1	ea	1900	00		
405		1			Rocker Shoe	5	in	1	ea	1250	00		
406		1			latch down plug & bag for	5	in	1	ea	225	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.

JUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED: Ohlyh Parr MOC TIME SIGNED:  AM  PM

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

SURVEY:  CUSTOMER DID NOT WISH TO RESPOND  
 YES  NO  
 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?

PAGE TOTAL	1	5635	00
TOTAL	2	9790	22
Subtotal		9330	00
Tax		460	22

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: Thank You!  
 APPROVAL: \_\_\_\_\_





PO Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 20077

CUSTOMER **MUL DRILLING**

WELL **Stadgrove 5-17**

DATE **29 Jan 11**

PAGE **2** OF **2**

QTY	UNIT	DESCRIPTION	WELL	DATE	PRICE	AMOUNT
1	SK	SMD cement	Stadgrove 5-17	29 Jan 11	3000.00	3000.00
1	lb	Fluore	Stadgrove 5-17	29 Jan 11	75.00	75.00
1	sk	D-AIR	Stadgrove 5-17	29 Jan 11	70.00	70.00
1	sk	Service Charge	Stadgrove 5-17	29 Jan 11	300.00	300.00
1	ea	Drayage (min)	Stadgrove 5-17	29 Jan 11	250.00	250.00
		SERVICE CHARGE				
		TOTAL WEIGHT				
		LOADED MILES				
		CUBIC FEET				
		TON MILES				

3695.00

JOB LOG

SWIFT Services, Inc.

29  
DATE 9/2/11 PAGE NO.

CUSTOMER **MULL DRILLING** WELL NO. **5-17** LEASE **Snodgrass** JOB TYPE **cement long string** TICKET NO. **20077**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sks SMD w/ Floccule
								14" 5 1/2 casing 813 joints
								packer shoe - 4719' Total pipe 4761'
								stone joint 42' port collar 1732'
								(Casing number = 23)
								centralizers 1,3,5,7,9,11, 73
								Baskets 6,71
	1400							on loc TRK 114
	1415							start 5 1/2" in well
	1540							Drop ball
	1550		7			1700		<del>open packer shoe</del> w/ truck set packer shoe
	1600							circulate w/ mixed pump
	1730		5					pump 5 bbl KCL H <sub>2</sub> O
		6 3/4	24			250		pump 1000 gal Floccule 21
			5					pump 5 bbl KCL H <sub>2</sub> O
	1737							plug R# (30 sks)
	1740	4 3/4	47			300		mix cement 170 sks @ 12.5
		4 3/4	24			300		50 sks 21' bbl @ 13.5
								170 sks total in well; 30 sks R#
	1800							wash out pump & lines
								Drop latch down plug
	1905	6 3/4				300		Displace plug
		6 3/4	105			400		
	1920		115			1500		Plug down
	1925							Release pressure to truck - dried up
								wash truck
								Rack up
	1830							job complete
								Thank Russ Dave & Blaine



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

TICKET  
20085

PAGE 1 OF 1

SERVICE LOCATIONS <u>MO at 18</u>	WELL/PROJECT NO. <u>5-17</u>	LEASE <u>Shadyross</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Mus City</u>	DATE <u>11 Feb 11</u>	OWNER
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIS NAME/NO.	SHIPPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	DELIVERED TO <u>location</u>	ORDER NO.	WELL LOCATION <u>17-17-23W</u>	
WELL TYPE <u>0/1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement port collar</u>	WELL PERMIT NO.				
REFERRAL LOCATION INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DR							
575					MILEAGE 1 TRK 114	15	mi			9.60	75.00
576 D					Pump Charge	1	ea			1100.00	1100.00
330					SMD cement			115	sk	15.00	1725.00
276					Fluore			25	lb	1.50	37.50
290					D-A-R			1	yd	35.00	35.00
581					Service charge	200	hr			1.50	300.00
582					Drayage (win)	1	ea			250.00	250.00
104					Best collar tool rental	1	ea			200.00	200.00

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OPERATION OR DELIVERY OF LOGS

DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
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 SERVICES?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: \$722.50

TAX: 7.55% (16.3%)

TOTAL: 3048.34

SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: \_\_\_\_\_

DATE: \_\_\_\_\_

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 10 FEB 11 PAGE NO.

CUSTOMER WELL NO. LEASE SND DE CAS JOB TYPE CEMENT TEST COLLAR TICKET NO. 20085

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 stb SWD w/ 1/4" flocculants 5 1/2 casing 14" 2 3/4 tubing FOOT COLLAR 1729'
	1300							on loc TRK 114
	1315					1000	1000	test to 1000 psi - held
	1320	3 1/2	3			250		inj rate 3 1/2 bpm @ 250 psi
	1325	4	-			250		min SWD cement @ 11.2 bpm
			7					fluid over to pit
		4	62			300		cement to pit 115 stb mixed 15 to pit
	1345					1000	1000	close port collar test to 1000 psi - held
	1405		75					run 4 joints reverse hole clean 2 cement plugs
	1415							pull tool unload truck
								Rack up
	1440							Job complete
								Duke Dave Lane & Blaine