



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1073356  
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: \_\_\_\_\_

1073356

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 02, 2012

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

Re: ACO1  
API 15-109-21060-00-00  
Wieland Unit 1-36  
NE/4 Sec.36-12S-32W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Leon Rodak

		MDCI Wieland Unit #1-36 1560' FNL 550' FEL Sec. 36-T12S-R32W 2997' KB					MDCI Kuhlman 'D' #2-35 335' FNL 765' FWL Sec. 35-T12S-R32W 2998' KB		
Formation	SampleTops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum	
Anhydrite	2510	+487	-3	2500	+497	+7	2508	+490	
B/Anhydrite	2531	+466	+1	2525	+472	+7	2533	+465	
Topeka	3760	-763	-7	3759	-762	-4	3754	-756	
Heebner	3990	-993	-7	3982	-985	+1	3984	-986	
Lansing	4028	-1031	-1	4019	-1022	+8	4028	-1030	
Stark	4265	-1268	-11	4257	-1260	-3	4255	-1257	
Up Pawnee	4472	-1475	-17	4464	-1467	-9	4456	-1458	
Ft. Scott	4523	-1526	-16	4514	-1517	-7	4508	-1510	
Johnson	4595	-1598	-20	4582	-1585	-7	4576	-1578	
Mississippi	4660	-1663	-4	4652	-1655	+4	4657	-1659	
RTD							4710		
LTD				4735			4712		

**Thomas J. Funk**  
**Petroleum Geologist**  
**785-542-3359**

**Geologists Report**  
**Drilling Time and Sample Log**

**OPERATOR** Murfin Drilling Co., Inc  
**LEASE** Wieland Unit  
**WELL NO** #1-36  
**FIELD** Wildcat  
**API** 15-109-21060  
**LOCATION** 1560' FNL & 550' FEL  
**SEC.** 36 **TWP.** 12S **RGE** 32W  
**COUNTY** Logan **STATE** Kansas

**ELEVATION**  
**KB** 2997  
**DF**  
**GL** 2984  
**Measurements Are All From KB**

**CASING RECORD**  
**SURFACE**  
**8 5/8" at 225' KB w/225sx**  
**PRODUCTION**  
**None**

**CONTRACTOR** Murfin Dring Co Reg #25  
**COMM** 12/16/2011 **COMP** 12/20/2011  
**RTD** 4740 **LOG TD** 4735  
**SAMPLES SAVED FROM** 3900 **TO TD**  
**DRILLING TIME KEPT FROM** 3690 **TO TD**  
**SAMPLES EXAMINED FROM** 3900 **TO TD**

**GEOLOGICAL SUPERVISION FROM** 3900 **TO TD**  
**MUD** GP 3400 **TYPE** MUD **Chemical**

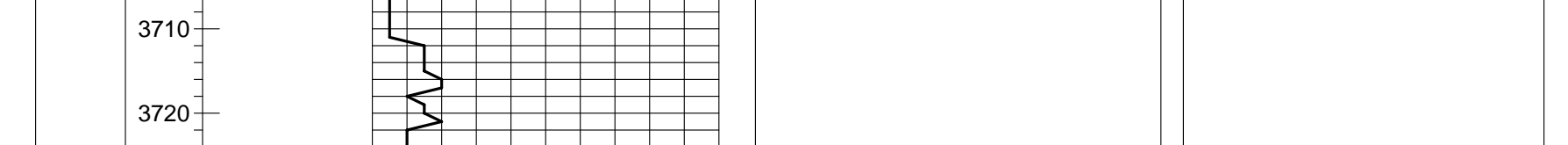
FORMATION	LOG TOP DATUM	SAMPLE TOP DATUM	STRUCT COAMP	LOG Tech	DIL	MEL	CNL/CDL	BHCS
Anhydrite	2590 (-4497)	2510 (-4487)						+7
B/Anhydrite	2525 (-4472)	2531 (-4465)						+7
Topoka Sh	3793 (-762)	3760 (-761)						+1
Heebner Sh	3993 (-966)	3990 (-963)						+8
Lansing	4018 (-1021)	4025 (-1028)						+8
Wimber Creek	4178 (-1181)	4183 (-1186)						-3
Stark Sh	4257 (-1260)	4285 (-1269)						-3
Marmaton	4348 (-1351)	4355 (-1358)						-1
Pawnee	4463 (-1466)	4469 (-1472)						-8
Cherokee Sh	4540 (-1543)	4548 (-1551)						-7
Johnson Zone	4582 (-1585)	4597 (-1590)						-7
Mississippian	4653 (-1656)	4660 (-1663)						+4

Daily Progress	NOI	Size	Make	Type	Depth Out	Feet	Hours
12/16/11	Spud	1	12 1/4"	Smith	RR	225	225
12/17/11	225 W/O C	2	7 7/8"	Smith	M616	3900	3675
12/19/11	2913	3	7 7/8"	HTC	GK-22s	4740	840
12/20-26	3900 Dn for Xmas						42
12/27/11	4134						
12/28/11	4285						
12/29/11	4620						
12/30/11	4740 TD Logging						

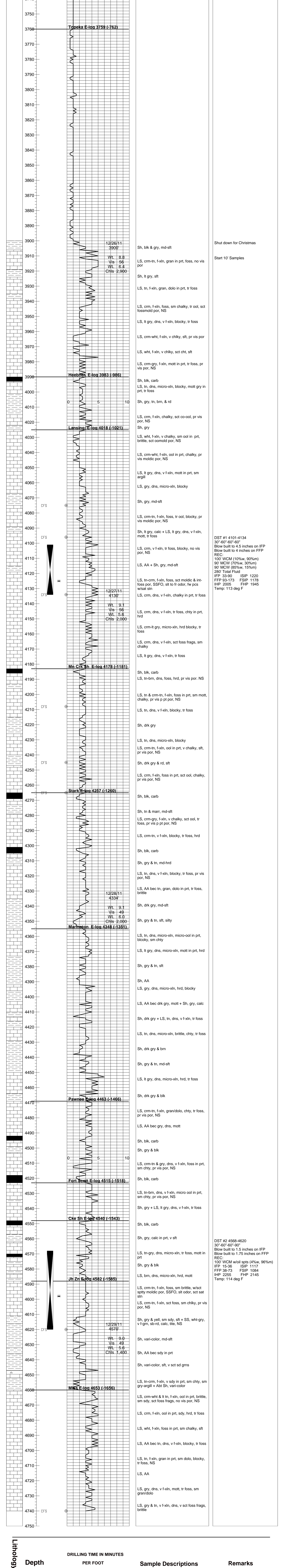
**Remarks And Recommendations:**  
 Based upon log analysis, DST recovery, and sample examination it was recommended that the #1-36 Wieland Unit be plugged and abandoned.

Thomas Funk  
 Petroleum Geologist

**LEGEND**



**Lithology**



**Lithology**

Depth	DRILLING TIME IN MINUTES PER FOOT	Sample Descriptions	Remarks
3650			Deviation Surveys: 0.40 deg at 226' 0.90 deg at 724' 0.9 deg at 1487' 0.9 deg at 2500' 0.3 deg at 3900' 1.8 deg at 4134' 1.3 deg at 4620' 2.0 deg at 4740'
3660			Shut down for Christmas
3670			Start 10' Samples
3680			
3690			
3700			
3710			
3720			
3730			
3740			
3750			
3760			
3770			
3780			
3790			
3800			
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3960			
3970			
3980			
3990			
4000			
4010			
4020			
4030			
4040			
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4060			
4070			
4080			
4090			
4100			
4110			
4120			
4130			
4140			
4150			
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4170			
4180			
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4210			
4220			
4230			
4240			
4250			
4260			
4270			
4280			
4290			
4300			
4310			
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4590			
4600			
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4620			
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4640			
4650			
4660			
4670			
4680			
4690			
4700			
4710			
4720			
4730			
4740			
4750			

**COMPANY** Murfin Drilling Co., Inc **ELEVATION** 2997 **KB**

**LEASE** #1-36 **Wieland Unit**

**LOCATION** 1560' FNL & 550' FEL **Sec** 36 **TWP** 12S **RGE** 32W

**COUNTY** Logan **STATE** Kansas

REFERENCE WELL FOR STRUCTURAL COMPARISON: Murfin Dring Co., #2-35 Kullman D, 335' FNL, 765' FWL, sec. 35-12S-32W, Logan Co., KS



## DRILL STEM TEST REPORT

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

250 N Water STE 300  
Wichita KS 67202

ATTN: Tom Funk

### **Weiland Unit #1-36**

### **36-12s-32w Logan,KS**

Start Date: 2011.12.27 @ 09:38:01

End Date: 2011.12.27 @ 17:54:30

Job Ticket #: 44982                      DST #: 1

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

Printed: 2012.01.04 @ 12:11:35

Murfin Drilling Co. Inc

36-12s-32w Logan,KS

Weiland Unit #1-36

DST # 1

LKC "E & F"

2011.12.27



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan, KS**

**Weiland Unit #1-36**

Job Ticket: 44982

**DST#: 1**

Test Start: 2011.12.27 @ 09:38:01

## GENERAL INFORMATION:

Formation: **LKC "E & F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:54:45

Time Test Ended: 17:54:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 46

**Interval: 4101.00 ft (KB) To 4134.00 ft (KB) (TVD)**

Reference Elevations: 2997.00 ft (KB)

Total Depth: 4134.00 ft (KB) (TVD)

2984.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 173.98 psig @ 4102.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.27

End Date:

2011.12.27

Last Calib.:

2011.12.27

Start Time: 09:38:00

End Time:

17:54:29

Time On Btm:

2011.12.27 @ 11:53:44

Time Off Btm:

2011.12.27 @ 15:28:14

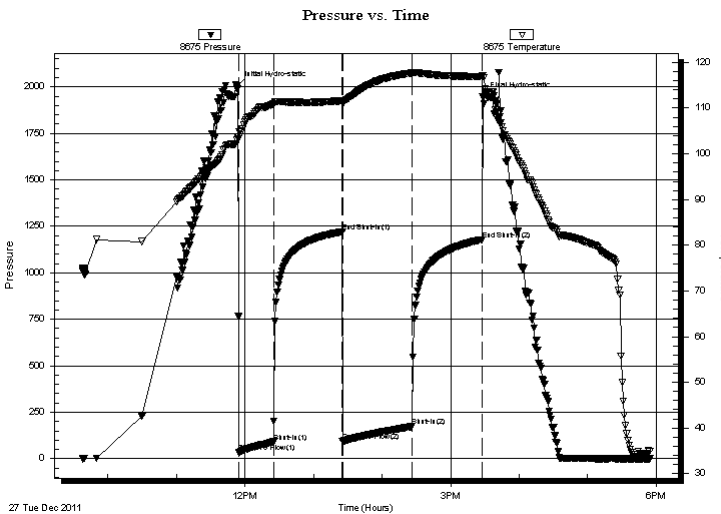
**TEST COMMENT:** IF- Surface Blow Built to 4 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 4"

FS- No Blow

## PRESSURE SUMMARY



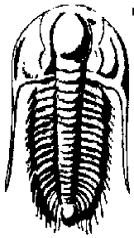
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.19	103.71	Initial Hydro-static
1	33.23	103.64	Open To Flow (1)
32	90.55	110.94	Shut-In(1)
92	1220.49	111.60	End Shut-In(1)
92	93.26	110.96	Open To Flow (2)
153	173.98	117.65	Shut-In(2)
214	1178.04	116.89	End Shut-In(2)
215	1945.70	117.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	MCW 15%m 85%w	0.44
90.00	MCW 30%m 70%w	0.44
100.00	WCM 10%w 90%m	0.49

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co. Inc

250 N Water STE 300  
Wichita KS 67202

ATTN: Tom Funk

**36-12s-32w Logan,KS**

**Weiland Unit #1-36**

Job Ticket: 44982

**DST#: 1**

Test Start: 2011.12.27 @ 09:38:01

## GENERAL INFORMATION:

Formation: **LKC "E & F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:54:45

Time Test Ended: 17:54:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 46

**Interval: 4101.00 ft (KB) To 4134.00 ft (KB) (TVD)**

Total Depth: 4134.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2997.00 ft (KB)

2984.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8371 Outside**

Press@RunDepth: psig @ 4102.00 ft (KB)

Start Date: 2011.12.27

End Date: 2011.12.27

Start Time: 09:37:30

End Time: 17:55:29

Capacity: 8000.00 psig

Last Calib.: 2011.12.27

Time On Btm:

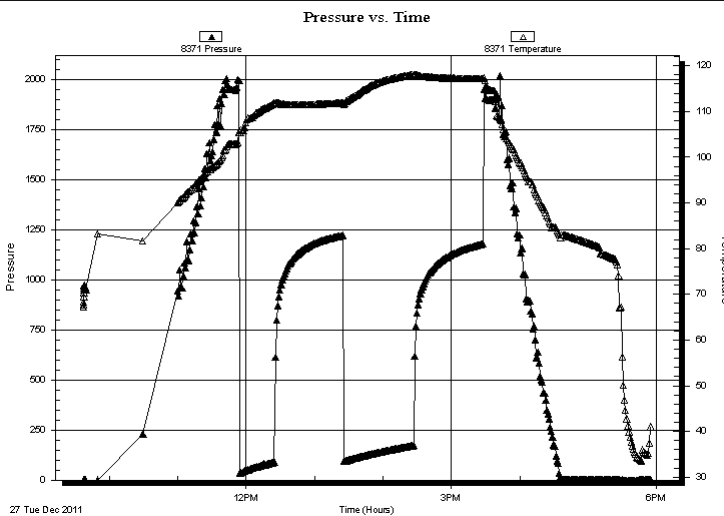
Time Off Btm:

**TEST COMMENT:** IF- Surface Blow Built to 4 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 4"

FS- No Blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	MCW 15%m 85%w	0.44
90.00	MCW 30%m 70%w	0.44
100.00	WCM 10%w 90%m	0.49

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan,KS**

**Weiland Unit #1-36**

Job Ticket: 44982

**DST#: 1**

Test Start: 2011.12.27 @ 09:38:01

## Tool Information

Drill Pipe:	Length: 3539.00 ft	Diameter: 3.80 inches	Volume: 49.64 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 554.00 ft	Diameter: 2.25 inches	Volume: 2.72 bbl	Weight to Pull Loose: 8000.00 lb
			<u>Total Volume: 52.36 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4101.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 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			4082.00	
Shut In Tool	5.00			4087.00	
Hydraulic tool	5.00			4092.00	
Packer	5.00			4097.00	20.00 Bottom Of Top Packer
Packer	4.00			4101.00	
Stubb	1.00			4102.00	
Recorder	0.00	8675	Inside	4102.00	
Recorder	0.00	8371	Outside	4102.00	
Perforations	29.00			4131.00	
Bullnose	3.00			4134.00	33.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>53.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan,KS**

**Weiland Unit #1-36**

Job Ticket: 44982

**DST#: 1**

Test Start: 2011.12.27 @ 09:38:01

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 56.00 sec/qt  
Water Loss: 6.36 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2900.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 68000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MCW 15%m 85%w	0.443
90.00	MCW 30%m 70%w	0.443
100.00	WCM 10%w 90%m	0.492

Total Length: 280.00 ft      Total Volume: 1.378 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW is .159 @ 40f = 68000

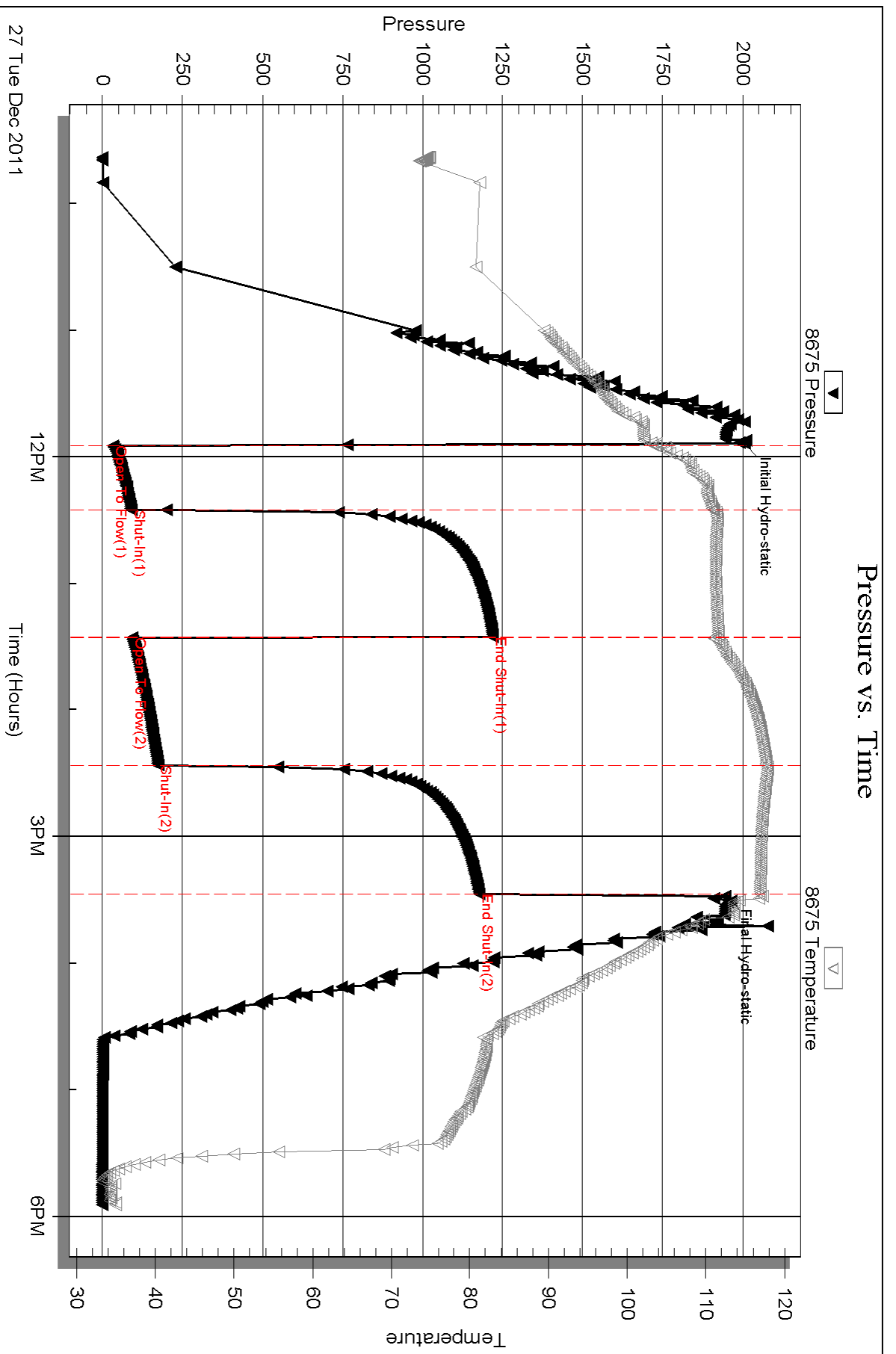
Serial #: 8675

Inside

Murfin Drilling Co. Inc

Welland Unit #1-36

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 44982

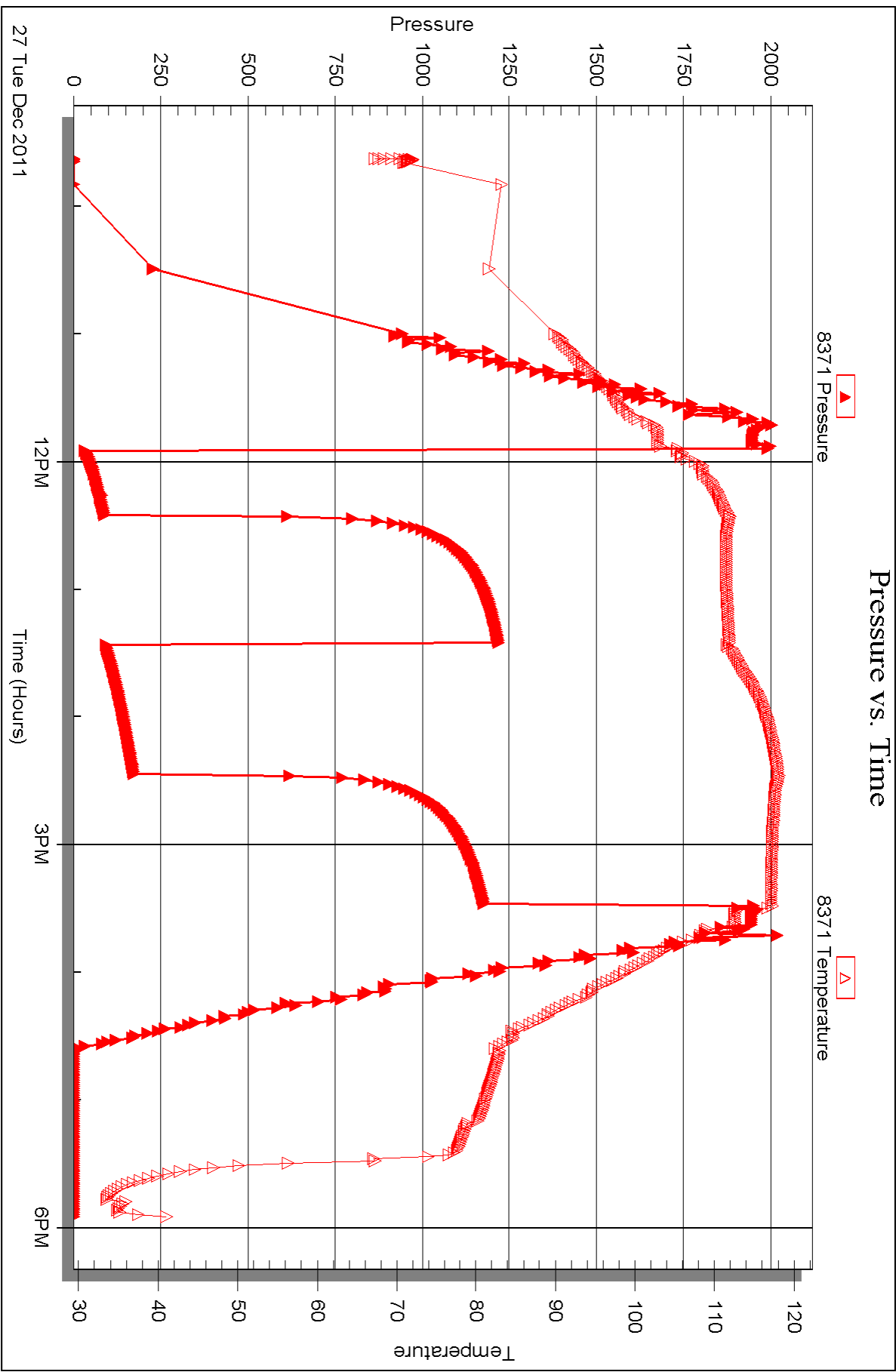
Printed: 2012.01.04 @ 12:11:38

Serial #: 8371

Outside Murfin Drilling Co. Inc

Welland Unit #1-36

DST Test Number: 1





## DRILL STEM TEST REPORT

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

250 N Water STE 300  
Wichita KS 67202

ATTN: Tom Funk

### **Weiland Unit #1-36**

### **36-12s-32w Logan,KS**

Start Date: 2011.12.29 @ 08:08:00

End Date: 2011.12.29 @ 16:44:59

Job Ticket #: 44983                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.04 @ 12:10:36

Murfin Drilling Co. Inc  
36-12s-32w Logan,KS  
Weiland Unit #1-36  
DST # 2  
Johnson  
2011.12.29



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan, KS**

**Weiland Unit #1-36**

Job Ticket: 44983

**DST#: 2**

Test Start: 2011.12.29 @ 08:08:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:33:29

Time Test Ended: 16:44:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 46

**Interval: 4568.00 ft (KB) To 4620.00 ft (KB) (TVD)**

Reference Elevations: 2997.00 ft (KB)

Total Depth: 4620.00 ft (KB) (TVD)

2984.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8675 Inside**

Press @ Run Depth: 73.35 psig @ 4569.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.29

End Date:

2011.12.29

Last Calib.:

2011.12.29

Start Time: 08:08:00

End Time:

16:44:59

Time On Btm:

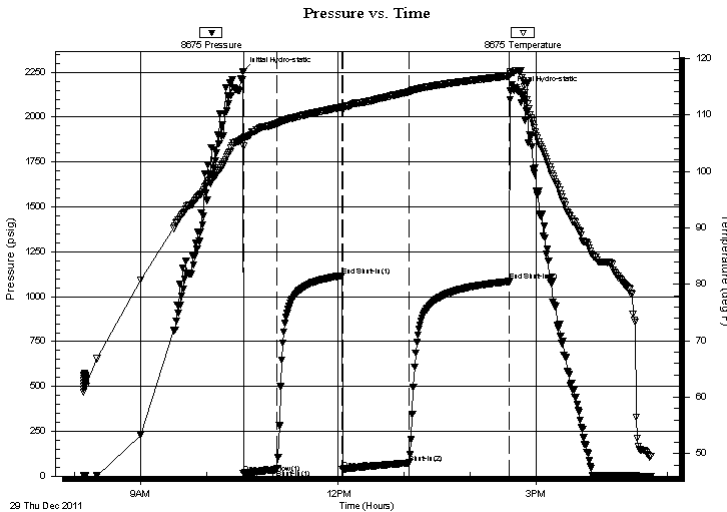
2011.12.29 @ 10:33:14

Time Off Btm:

2011.12.29 @ 14:36:29

**TEST COMMENT:** IF- Weak Surface Blow Built to 1 1/4"  
IS- No Blow  
FF- Weak Surface Blow Built to 1 3/4"  
FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.59	105.79	Initial Hydro-static
1	15.17	104.43	Open To Flow (1)
31	36.17	108.40	Shut-In(1)
91	1117.28	111.37	End Shut-In(1)
91	38.46	110.69	Open To Flow (2)
151	73.35	114.04	Shut-In(2)
243	1084.93	116.87	End Shut-In(2)
244	2145.23	117.23	Final Hydro-static

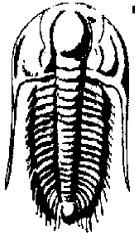
## Recovery

Length (ft)	Description	Volume (bbl)
100.00	WCM 4%w 96%m With Oil Spots	0.49

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan,KS**

**Weiland Unit #1-36**

Job Ticket: 44983

**DST#: 2**

Test Start: 2011.12.29 @ 08:08:00

### GENERAL INFORMATION:

Formation: **Johnson**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 10:33:29  
Time Test Ended: 16:44:59  
Interval: **4568.00 ft (KB) To 4620.00 ft (KB) (TVD)**  
Total Depth: 4620.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole (Reset)**  
Tester: **Will MacLean**  
Unit No: **46**  
Reference Elevations: 2997.00 ft (KB)  
2984.00 ft (CF)  
KB to GR/CF: 13.00 ft

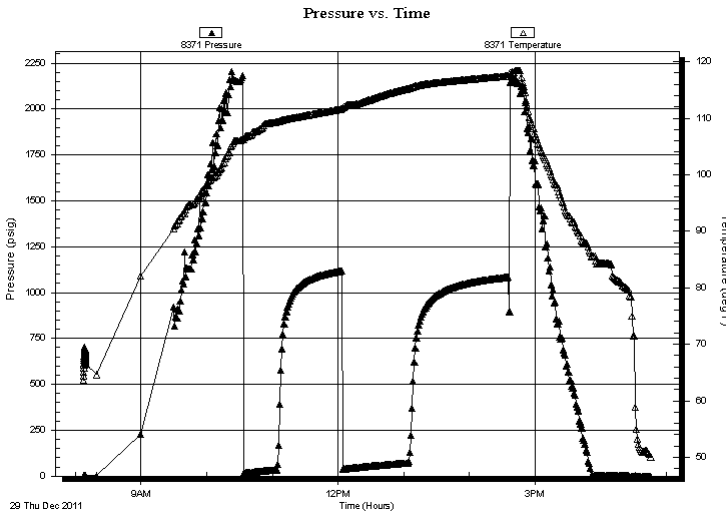
**Serial #: 8371**

**Outside**

Press @ Run Depth: psig @ 4569.00 ft (KB)  
Start Date: 2011.12.29 End Date: 2011.12.29  
Start Time: 08:07:30 End Time: 16:45:59  
Capacity: 8000.00 psig  
Last Calib.: 2011.12.29  
Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF- Weak Surface Blow Built to 1 1/4"  
IS- No Blow  
FF- Weak Surface Blow Built to 1 3/4"  
FS- No Blow

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
100.00	WCM 4%w 96%m With Oil Spots	0.49

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan,KS**

**Weiland Unit #1-36**

Job Ticket: 44983

**DST#: 2**

Test Start: 2011.12.29 @ 08:08:00

**Tool Information**

Drill Pipe:	Length: 4009.00 ft	Diameter: 3.80 inches	Volume: 56.24 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 554.00 ft	Diameter: 2.25 inches	Volume: 2.72 bbl	Weight to Pull Loose: 22000.00 lb
			<u>Total Volume: 58.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	4568.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4549.00	
Shut In Tool	5.00			4554.00	
Hydraulic tool	5.00			4559.00	
Packer	5.00			4564.00	20.00 Bottom Of Top Packer
Packer	4.00			4568.00	
Stubb	1.00			4569.00	
Recorder	0.00	8675	Inside	4569.00	
Recorder	0.00	8371	Outside	4569.00	
Perforations	15.00			4584.00	
Change Over Sub	1.00			4585.00	
Drill Pipe	31.00			4616.00	
Change Over Sub	1.00			4617.00	
Bullnose	3.00			4620.00	52.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co. Inc  
250 N Water STE 300  
Wichita KS 67202  
ATTN: Tom Funk

**36-12s-32w Logan,KS**

**Weiland Unit #1-36**

Job Ticket: 44983

**DST#: 2**

Test Start: 2011.12.29 @ 08:08:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 5.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2000.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	WCM 4%w 96%m With Oil Spots	0.492

Total Length: 100.00 ft      Total Volume: 0.492 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8675

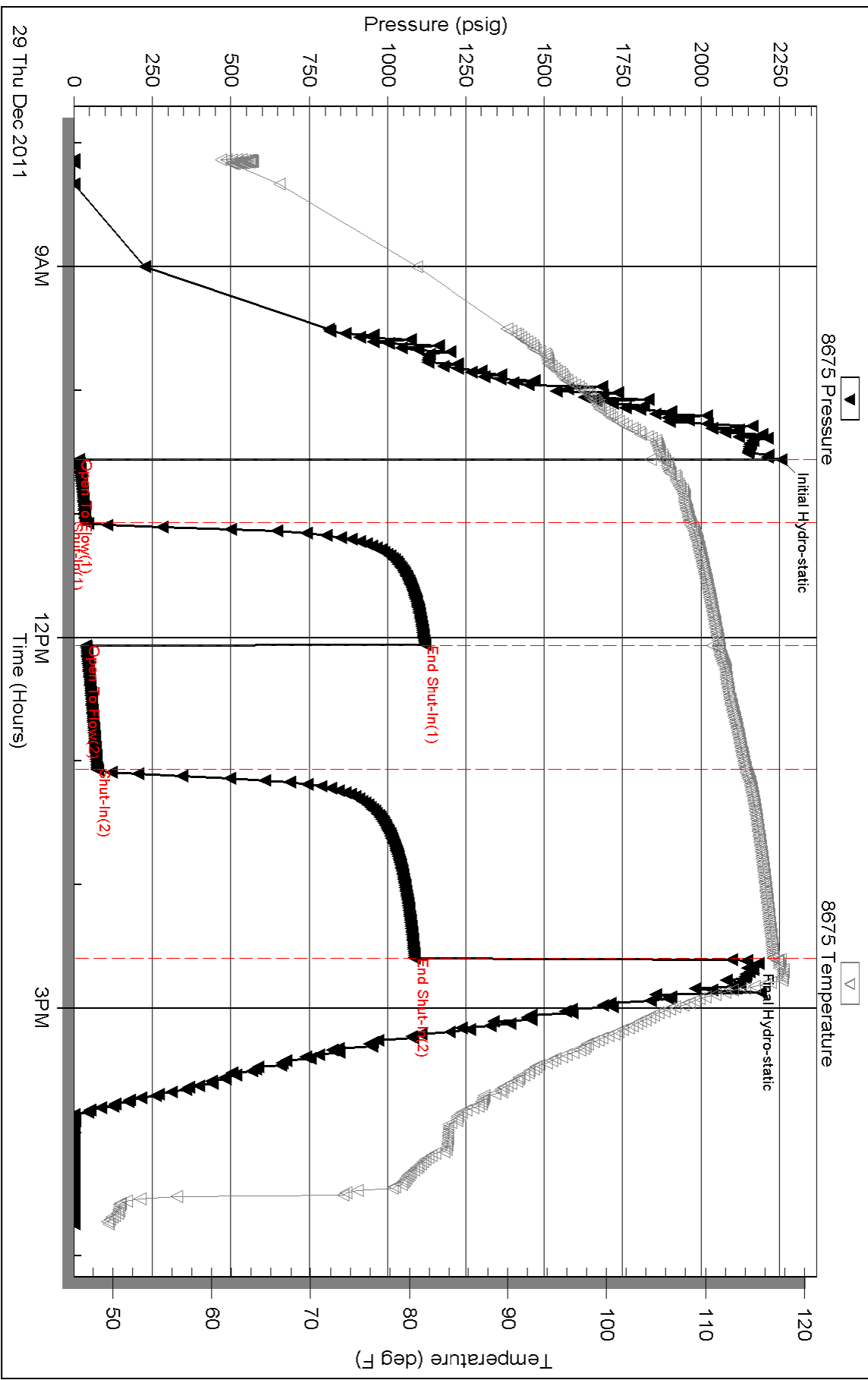
Inside

Murfin Drilling Co. Inc

Welland Unit #1-36

DST Test Number: 2

# Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44983

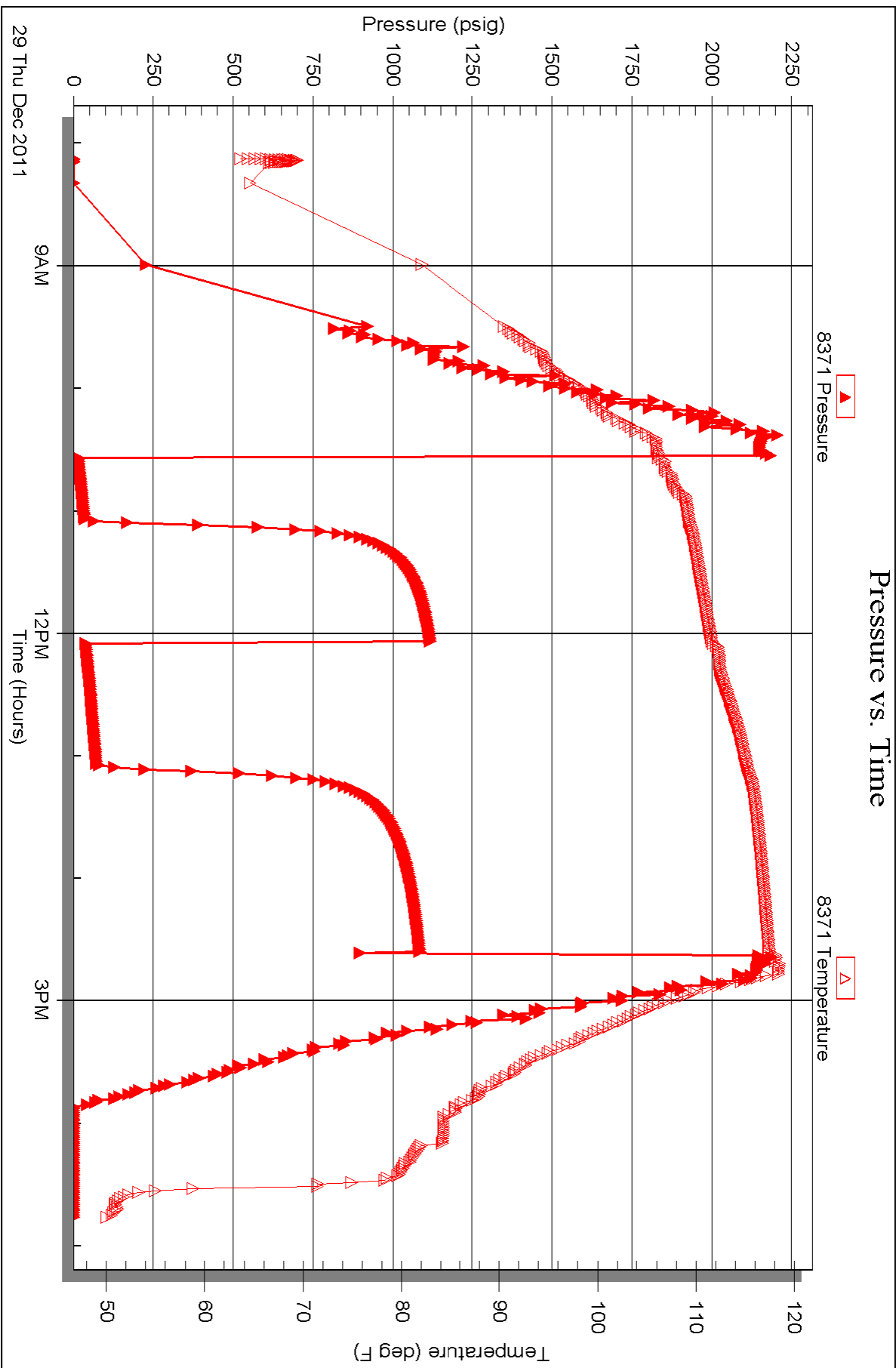
Printed: 2012.01.04 @ 12:10:38

Serial #: 8371

Outside Murfin Drilling Co. Inc

Welland Unit #1-36

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
DEC 30 2011

## Test Ticket

NO. 44982

4/10

BY:

Well Name & No. Wieland #1-36 Test No. DST #1 Date 12-27-11  
 Company Murfin Drilling Co. Elevation 2997 KB 2984 GL  
 Address 250 N. Water STE 300 Wichita KS 67202  
 Co. Rep / Geo. Tom Funk Rig Murfin Rig #25  
 Location: Sec. 36 Twp. 12S Rge. 32W Co. Logan State KS

Interval Tested 4101-4134 Zone Tested LKC "E-F"  
 Anchor Length 33 Drill Pipe Run 3539 Mud Wt. 8.8  
 Top Packer Depth 4097 Drill Collars Run 554 Vis 56  
 Bottom Packer Depth 4101 Wt. Pipe Run 0 WL 6.4  
 Total Depth 4134 Chlorides 2900 ppm System LCM 2

Blow Description IF - Surface Blow Built to 4 1/2"  
ISI - No Blow  
FF - Weak Surface Blow Built to 4"  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	
<u>90</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>90</u>	<u>MCW</u>		<u>85</u>	<u>15</u>	

Rec Total BHT 113 Gravity API RW 159 @ 40° F Chlorides 68000 ppm  
 (A) Initial Hydrostatic 1991 2005  Test 1225 T-On Location 8:54 AM  
 (B) First Initial Flow 33 33  Jars T-Started 9:38 AM  
 (C) First Final Flow 89 90  Safety Joint T-Open 11:54 AM  
 (D) Initial Shut-In 1220  Circ Sub N/C T-Pulled 15:30  
 (E) Second Initial Flow 92 93  Hourly Standby T-Out 17:54  
 (F) Second Final Flow 173  Mileage 78 R/T 109.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 1178  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1951 1945  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 60  
 Sub Total 1334.20  
 Total 1334.20  
 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative Will Murfin

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



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
DEC 30 2011

## Test Ticket

NO. 44983

Well Name & No. Weiland Unit #1-36 Test No. DST #2 Date 12-29-11  
 Company Murfin Drilling Co. Elevation 2997 KB 2984 GL  
 Address 250 N Water STE 300 Wichita KS 67202  
 Co. Rep / Geo. Tom Funk Rig Murfin Rig #25  
 Location: Sec. 36 Twp. 12s Rge. 32w Co. Logan Co. State KS

Interval Tested 4568-4620 Zone Tested Johnson  
 Anchor Length 52' Drill Pipe Run 4009 Mud Wt. 9.1  
 Top Packer Depth 4564 Drill Collars Run 554 Vis 49  
 Bottom Packer Depth 4568 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4620 Chlorides 2000 ppm System LCM 416  
 Blow Description IF - Weak Surface Blow Built to 1 1/4"  
ISI - No Blow  
FF - Weak Surface Blow Built to 1 3/4"  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>WCM with oil spots</u>		<u>4</u>	<u>96</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 100' BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2255  Test 1225 T-On Location 6:48 AM  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 8:08 AM  
 (C) First Final Flow 36  Safety Joint \_\_\_\_\_ T-Open 10:33  
 (D) Initial Shut-In 1117  Circ Sub NIC T-Pulled 14:37  
 (E) Second Initial Flow 38  Hourly Standby \_\_\_\_\_ T-Out 16:44  
 (F) Second Final Flow 73  Mileage 78 R/T 109.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 1084  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2145  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer 320  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 425.09 + 320  
 Day Standby 1 Day + 12 3/4 Hrs Total 2079.29  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1334.20

Approved By [Signature] Our Representative Will Moore

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

# ALLIED

OIL & GAS SERVICES, LLC

24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (817) 546-7282  
 Fax: (817) 246-3361

# INVOICE

Invoice Number: 129641  
 Invoice Date: Dec 17, 2011  
 Page: 1

*Sub  
acct*

**PROD COPY**

Federal Tax I.D.#: 20-5975804

*operator pay  
m.p.c. Bm*

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

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Wieland Unit# 1-36	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 17, 2011	1/16/12

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	16.25	2,762.50
6.00	MAT	Chloride	58.20	349.20
176.00	SER	Handling	2.25	396.00
12.00	SER	Mileage	19.36	232.32
1.00	SER	Surface	1,125.00	1,125.00
12.00	SER	Heavy Vehicle Mileage	7.00	84.00
1.00	SER	Manifold Head Rental	200.00	200.00
12.00	SER	Light Vehicle Mileage	4.00	48.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Brandon Wilkinson		

Account	Description
FD 203	Cement S. Csg # 1-36
	3605.21
	3,8639.00

Subtotal	5,197.02
Sales Tax	227.15
Total Invoice Amount	5,424.17
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,424.17</b>

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

**\$ 1818.96**

ONLY IF PAID ON OR BEFORE  
**Jan 11, 2012**

*(1818.96)*  
*3605.21*

# ALLIED CEMENTING CO., LLC. 035303

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Ogkley

DATE <u>12-12-11</u>	SEC <u>36</u>	TWP <u>12s</u>	RANGE <u>32W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30 AM</u>	JOB FINISH <u>4:00 AM</u>
LEASE <u>Wifeland Witt</u>	WELL# <u>1236</u>	LOCATION <u>Ogkley 10s 2E</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>			
OLD OR (NEW) (Circle one)			<u>SINTO</u>				

CONTRACTOR Murkin 25  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 225'  
 CASING SIZE 8 7/8 DEPTH 220'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15  
 PERFS.  
 DISPLACEMENT 13.05 BBL

OWNER Same  
 CEMENT AMOUNT ORDERED 170 SKS COM  
396.00  
 COMMON 170 SKS @ 16.25 2762.50  
 POZMIX @  
 GEL @  
 CHLORIDE 6 SKS @ 58.00 348.00  
 ASC @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 @  
 HANDLING 12 SKS @ 2.25 27.00  
 MILEAGE 170 SKS/mile 232.32  
 TOTAL 4740.02

EQUIPMENT  
 PUMP TRUCK CEMENTER Andrew  
 # 423-281 HELPER Jerry  
 BULK TRUCK  
 # 347 DRIVER Brandon  
 BULK TRUCK  
 # DRIVER

REMARKS:

Cement did circulate

thank you

CHARGE TO: Murkin  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 220'  
 PUMP TRUCK CHARGE 1125.00  
 EXTRA FOOTAGE @  
 MILEAGE 12 miles @ 2.00 24.00  
 MANIFOLD head @ 200.00  
Light vehicle @ 4.00 48.00  
 @  
 TOTAL 1452.00

PLUG & FLOAT EQUIPMENT

@  
 @  
 @  
 @  
 @  
 TOTAL \_\_\_\_\_

To Allied Cementing Co., 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 Raymond Blind  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



not.  
Luz H.

# INVOICE

PO Box 470308  
Fort Worth, TX 76147

Invoice Number: 129751

Invoice Date: Dec 30, 2011

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Federal Tax I.D.#: 20-5975804

*operator pay  
MDC/B*

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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Murfin	Wieland Unit # 1-36	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 30, 2011	1/29/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
55.00	MAT	FloSeal	2.70	148.50
230.00	SER	Handling	2.25	517.50
12.00	SER	Mileage	25.30	303.60
1.00	SER	Plugged to Abandon	1,250.00	1,250.00
12.00	SER	Heavy Vehicle Mileage	7.00	84.00
12.00	SER	Light Vehicle Mileage	4.00	48.00
1.00	EQP	8 5/8 Dry Hole Plug	92.00	92.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Brandon Wilkinson		

*QHM*

Subtotal	5,506.60
Sales Tax	401.98
Total Invoice Amount	5,908.58
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,908.58</b>

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

**\$ 1101.32**

ONLY IF PAID ON OR BEFORE  
**Jan 24, 2012**

*Adjusted Discount -1927.31*

*See Attached*



# ALLIED CEMENTING CO., LLC. 035306

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Oakley

DATE <u>12-30-11</u>	SEC. <u>36</u>	TWP. <u>12S</u>	RANGE <u>32W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00pm</u>	JOB FINISH <u>10:00pm</u>
LEASE <u>unit</u>	WELL# <u>136</u>	LOCATION <u>Oakley 10S 2E Sinto</u>			COUNTY <u>Logan</u>	STATE <u>Ks</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR <u>MurFin 25</u>	OWNER <u>same</u>
TYPE OF JOB <u>OTA</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>4240'</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>2520'</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT  
AMOUNT ORDERED 220 SKS 6 1/2 4 flo seal  
14 flo seal

COMMON <u>132 SKS</u>	@ <u>16.25</u>	<u>2145.00</u>
POZMIX <u>88 SKS</u>	@ <u>8.50</u>	<u>748.00</u>
GEL <u>8 SKS</u>	@ <u>21.25</u>	<u>170.00</u>
CHLORIDE	@	
ASC	@	
<u>Flo seal 55 #</u>	@ <u>2.70</u>	<u>148.50</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>230 SKS</u>	@ <u>2.25</u>	<u>517.50</u>
MILEAGE <u>110 SK/mile</u>		<u>303.60</u>
		TOTAL <u>4032.60</u>

**EQUIPMENT**

PUMP TRUCK # <u>422</u>	CEMENTER <u>Andrew</u>
	HELPER <u>Jerry</u>
BULK TRUCK # <u>347</u>	DRIVER <u>Brandon</u>
BULK TRUCK #	DRIVER

**REMARKS:**

<u>25 SKS</u>	<u>2520'</u>
<u>100 SKS</u>	<u>1534'</u>
<u>40 SKS</u>	<u>270'</u>
<u>10 SKS</u>	<u>40'</u>
<u>15 SKS</u>	<u>mouse hole</u>
<u>30 SKS</u>	<u>Rat hole</u>

thank you

CHARGE TO: MurFin

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB <u>2520'</u>	
PUMP TRUCK CHARGE	<u>1250.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>12 miles</u>	@ <u>7.00</u> <u>84.00</u>
MANIFOLD	@
<u>Light vehicle</u>	@ <u>4.00</u> <u>48.00</u>
	@

TOTAL 1382.00

**PLUG & FLOAT EQUIPMENT**

<u>8 1/8</u>	
<u>1 Dry hole plug</u>	@ <u>92.00</u>
	@
	@
	@
	@

TOTAL 92.00

To Allied Cementing Co., 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 Raymond L. Blund

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



PO Box 470308  
Fort Worth, TX 76147

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

# INVOICE

Invoice Number: 129751

Invoice Date: Dec 30, 2011

Page: 1

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

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name/ # or Customer P.O.	Payment Terms	
Murfin	Wieland Unit # 1-36	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Dec 30, 2011	1/29/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
55.00	MAT	FloSeal	2.70	148.50
230.00	SER	Handling	2.25	517.50
12.00	SER	Mileage	25.30	303.60
1.00	SER	Plugged to Abandon	1,250.00	1,250.00
12.00	SER	Heavy Vehicle Mileage	7.00	84.00
12.00	SER	Light Vehicle Mileage	4.00	48.00
1.00	EQP	8 5/8 Dry Hole Plug	92.00	92.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Brandon Wilkinson		

Subtotal	5,506.60
Sales Tax	401.98
Total Invoice Amount	5,908.58
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,908.58</b>

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

**F 1927.31**

ONLY IF PAID ON OR BEFORE

Jan 21, 2012