



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1080268
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: _____

1080268

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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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

May 07, 2012

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

Re: ACO1
API 15-195-22747-00-00
Ruder 'A' 1-1
SE/4 Sec.01-11S-24W
Trego 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

Ruder 'A' #1-1 1800' FSL 1870' FEL Sec. 1-T11S-R24W 2293' KB							Comeau #1 C SE NW Sec. 6-T11S-R23W 2308' KB	
Formation	Sample tops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	1889	+404	-11	1890	+403	-12	1893	+415
B/Anhydrite	1932	+361	-11	1931	+362	-10	1936	+372
Topeka	3382	-1089	-1	3381	-1088	Flat	3396	-1088
Heebner	3604	-1311	Flat	3604	-1311	Flat	3619	-1311
Toronto	3625	-1332	Flat	3624	-1331	+1	3640	-1332
Lansing	3641	-1348	+1	3638	-1345	+4	3657	-1349
BKC	3876	-1583	-1	3876	-1583	-1	3890	-1582
Marmaton				3930	-1637		NDE	
RTD	3990							
LTD				3990				

LITHOLOGY STRIP LOG

WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: **Murfin Drilling Company, Inc. Ruder 'A' #1-1**
 Location: **Approx. NW SE NW Section 1-T11S-R24W**
 License Number: **API: 15-195-22747**
 Spud Date: **January 23, 2012** Drilling Completed: **Trego Co, KS January 31, 2012**
 Surface Coordinates: **1800' FSL & 1870' FEL Section 1-T11S-R24W**

Bottom Hole Coordinates: **2288** K.B. Elevation (ft): **2293**
 Ground Elevation (ft): **3270** To: **3990** Total Depth (ft): **3990**
 Logged Interval (ft): **Marmaton, RTD 3990 (-1697), LTD 3990 (-1697).**
 Formation: **Marmaton, RTD 3990 (-1697), LTD 3990 (-1697).**
 Type of Drilling Fluid: **Chemical. Displaced at 3165'**

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: **Murfin Drilling Company, Inc.**
 Address: **250 N Water STE 300
 Wichita, KS 67202-1216**

GEOLOGIST

Name: **Mikeal K. Maune**
 Title: **Petroleum Geologist - Kansas Licensed No. 210**
 Address: **Wichita, Kansas**
 Office: **316-722-8173**

COMMENTS

Surface Casing: 8 5/8" Csg set @ 220' w/150sx. Comm, (3%CC 2% Gel).
 Production Casing: 5 1/2" Csg set @ 3986'. PC @ 1929'. Swift cmt w/150 sx using EA-2. RH 30 SX. PD @ 6:30 am 2/01/2012.
 Deviation Surveys: 1/4 @ 222', 1/4 @ 3675'. 1 @ 3990'.
 Pipe Strap @ 3700'. Strap 3687.61. Board 3686.61. Strap long to Board 1 foot.

Murfin Drilling Rig #16 Bit Record:
 #1 12 1/4" HJC MXGI in @ GL, out @ 222'.
 #2 7 7/8" HTC GX20C in @ 222', out @ 3990'.

Mud System: **Morgan Mud, Inc.**
 DSTs: **Trilobite Testing Inc. (5 Dsts)**

Correlation of the OH Log with the drilling time indicates the depths are approximately equal. The Gamma ray curve was imported directly into this log without any depth adjustment.
 OH Log Formation Tops: **Anhydrite 1889 (+404), Base Anhydrite 1930 (+363), Topeka 3381 (-1088), Heebner 3604 (-1311), Toronto 3624 (-1331), Lansing 3638 (-1345), BKC 3876 (-1583), Lenapah 3904 (-1611), RTD 3990 (-1697), LTD 3990 (-1697).**

DSTs

DST #1 (Toronto, LKC 'A', 'B' & 'D') 3603-3683/30-60-60-90. 1st Op: BOB/6 min. 2' RB. 2nd Op: BOB/5 min. 10' RB/65 min. Recover: 1200' GIP, Total Fluid 750'. 255' CO (100% Oil, Gty 32), 310' GCMCO (10% Gas, 70% Oil, 20% Mud), 125' GOCWM (10% Gas, 20% Oil, 30% Wtr, 40% Mud), 60' OCMW (5% Oil, 55% Wtr, 40% Mud). API RW .28 @ 26 F, Chl 70,000. IH 1773#, IFP 44-162#, ISIP 1106#, FFP 173-313#, FSIP 1080#, FH 1731#, BHT 110 F.

DST #2 (LKC 'D') 3683-3700/30-60-30-60. 1st Op: WB 1 inch. No RB. 2nd Op: WSB. No RB. Recover: Total Fluid 20' Mud w/oil spks in tool. IH 1802#, IFP 16-24#, ISIP 972#, FFP 26-28#, FSIP 893#, FH 1759#, BHT 103 F.

DST #3 (LKC 'E' & 'F') 3702-3736/30-60-60-90. 1st Op: BOB/10 min. 1 1/2" RB/20 min, decrease. 2nd Op: BOB/10 min. 1" RB, died/30 min. Recover: 180' GIP. Total Fluid 560'. 10' Oil (Gty 33), 550' Wtr. API RW .20 @ 26 F, Chl 100,000. IH 1839#, IFP 27-136#, ISIP 1017#, FFP 141-296#, FSIP 998#, FH 1800#, BHT 115 F.

DST #4 (LKC 'H', 'I' & 'J') 3760-3828/30-60-45-90. 1st Op: BOB/1 min. RB BOB/10 MIN, GTS/20 min TSTM. 2nd Op: BOB/1 min. GTS TSTM. Recover: Total Fluid 3550'. 3430' CGO (20% Gas, 80% Oil) GTY 31, 60' GOCM (10% Gas, 20% Oil, 70% Mud), 60' GOCM (10% Gas, 10% Oil, 80% Mud). IH 1889#, IFP 310-882#, ISIP 1356#, FFP 888-1216#, FSIP 1352#, FH 1875#. BHT 116 F.

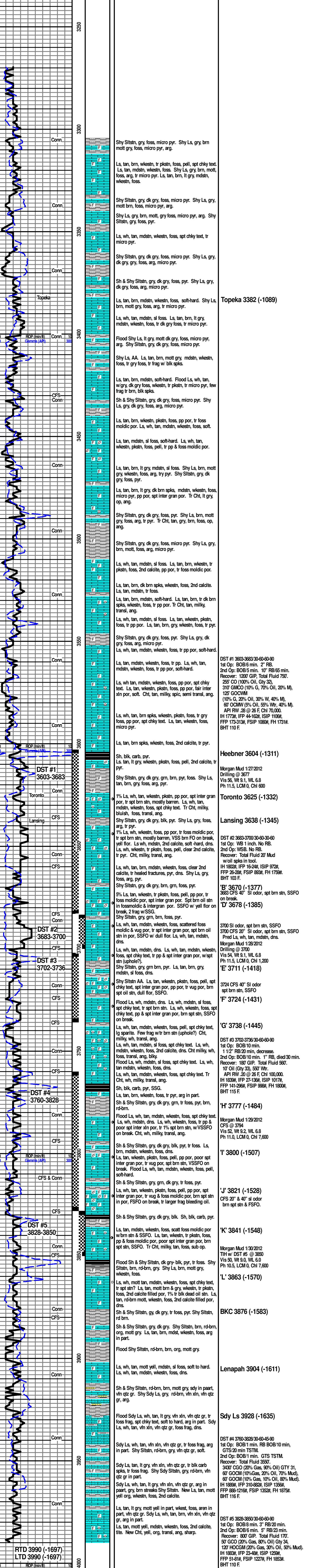
DST #5 (LKC 'K') 3828-3850/30-60-60-90. 1st Op: BOB/8 min. 3" RB/20 min, steady. 2nd Op: BOB/6 min. 5" RB/23 min, steady. Recover: 800' GIP. Total Fluid 170'. 50' GCO (20% Gas, 80% Oil) Gty 34, 120' HOCGM (20% Gas, 30% Oil, 50% Mud). IH 1883#, IFP 23-48#, ISIP 1259#, FFP 51-81#, FSIP 1227#, FH 1853#, BHT 110 F.

ROCK TYPES

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrist	Gry sh
Brec	Dol	Salt	Shale
Cht	Gyp	Shale	Shylst
Clyst	Sdy lmst	Siltst	Sitysh
Coal			

ACCESSORIES

MINERAL	Chlorite	Peloid	Grysl
Anhy	Dol	Pelloidal	Lms
Arg	Sand	Pisolite	Sandylms
Bent	Silty	Plant	Sh
Bit		Strom	Sitstn
Brecfrag		Fuss	
Calc	FOSSIL	Oomoldic	
Carb	Algae		TEXTURE
Chtdk	Amph		Boundst
Chtlt	Belm	STRINGER	Chalky
Dol	Bioclst	Anhy	Cryxin
Ferrpel	Brach	Arg	Earthy
Ferr	Bryozoa	Bent	Finexh
Glau	Cephal	Dol	Grainst
Gyp	Coral	Gyp	Lithogr
Marl	Echin	Ls	Microxin
Nodule	Fish	Mrist	Mudst
Phos	Foram	Ssstrg	Packst
Pyr	Fossil	Carbsh	Wackest
Salt	Gastro	Clystn	
Sandy	Oolite	Dol	
Silt	Ostra		



ROP (min/ft) and Gamma (API) curves are plotted against depth. The lithology column shows alternating layers of shale, limestone, and anhydrite. Geological descriptions provide detailed notes on rock composition and fossil content. Remarks include DST data, core locations, and specific observations.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.
 250 N. Water
 STE 300
 Wichita Ks.
 ATTN: Mike Monte

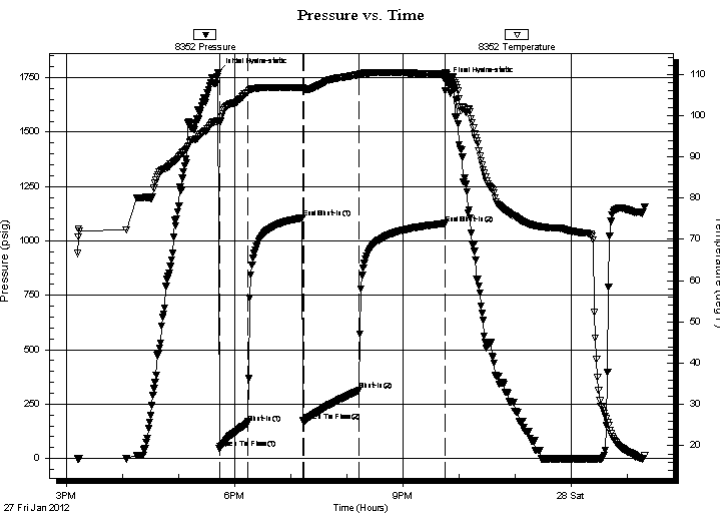
1-11s-24w Trego
Ruder A #1-1
 Job Ticket: 45676 **DST#: 1**
 Test Start: 2012.01.27 @ 15:12:05

GENERAL INFORMATION:

Formation: **Tor- LKC "B"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:43:40 Tester: Andy Carreira
 Time Test Ended: 01:19:00 Unit No: 39
 Interval: **3603.00 ft (KB) To 3683.00 ft (KB) (TVD)** Reference Elevations: 2293.00 ft (KB)
 Total Depth: 3683.00 ft (KB) (TVD) 2288.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8352 Outside
 Press @ Run Depth: 313.06 psig @ 3610.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.27 End Date: 2012.01.28 Last Calib.: 2012.01.28
 Start Time: 15:12:05 End Time: 01:19:00 Time On Btm: 2012.01.27 @ 17:42:20
 Time Off Btm: 2012.01.27 @ 21:45:39

TEST COMMENT: IF:(30min) BOB, 6 min.
 IS:(60min) 2" return blow
 FF:(60min) BOB, 5 min.
 FS:(90min) return blow, 10" in 65 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.62	98.77	Initial Hydro-static
2	44.68	98.50	Open To Flow (1)
32	162.93	105.60	Shut-In(1)
91	1106.36	106.71	End Shut-In(1)
92	173.56	106.39	Open To Flow (2)
151	313.06	109.90	Shut-In(2)
243	1080.13	110.03	End Shut-In(2)
244	1731.58	110.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMW o=5% m=40% w=55%	0.57
125.00	GOCWM g=10% o=20% w=30% m=40%	1.75
310.00	GMCO g=10% m=20% o=70%	4.35
255.00	CO o=100%	3.58
0.00	GIP=1200ft	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co.
250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

1-11s-24w Trego

Ruder A #1-1

Job Ticket: 45676

DST#: 1

Test Start: 2012.01.27 @ 15:12:05

GENERAL INFORMATION:

Formation: **Tor- LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:43:40

Time Test Ended: 01:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3603.00 ft (KB) To 3683.00 ft (KB) (TVD)

Reference Elevations: 2293.00 ft (KB)

Total Depth: 3683.00 ft (KB) (TVD)

2288.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press @ Run Depth: psig @ 3610.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.27

End Date: 2012.01.28

Last Calib.: 2012.01.28

Start Time: 15:12:05

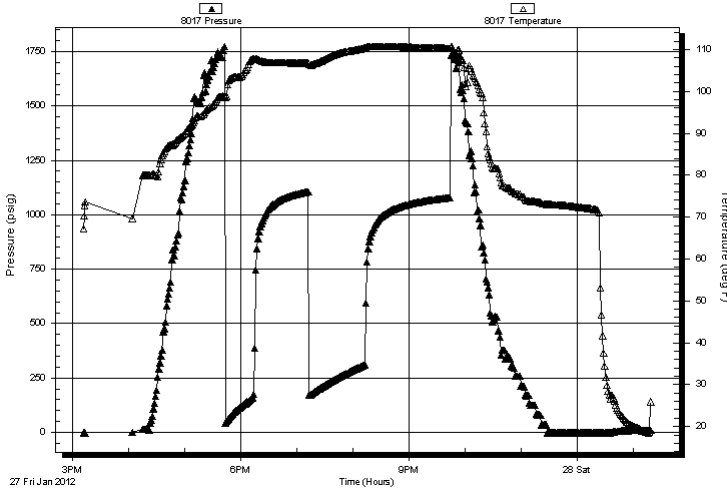
End Time: 01:19:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:(30min) BOB, 6 min.
ISl:(60min) 2" return blow
FF:(60min) BOB, 5 min.
FSl:(90min) return blow , 10" in 65 min

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMW o=5% m=40% w=55%	0.57
125.00	GOCWM g=10% o=20% w=30% m=40%	1.75
310.00	GMCO g=10% m=20% o=70%	4.35
255.00	CO o=100%	3.58
0.00	GIP=1200ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45676

DST#: 1

Test Start: 2012.01.27 @ 15:12:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 6.80 in³

Resistivity: ohm.m

Salinity: 600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCMW o=5% m=40% w =55%	0.573
125.00	GOCWM g=10% o=20% w =30% m=40%	1.753
310.00	GMCO g=10% m=20% o=70%	4.348
255.00	CO o=100%	3.577
0.00	GIP=1200ft	0.000

Total Length: 750.00 ft Total Volume: 10.251 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

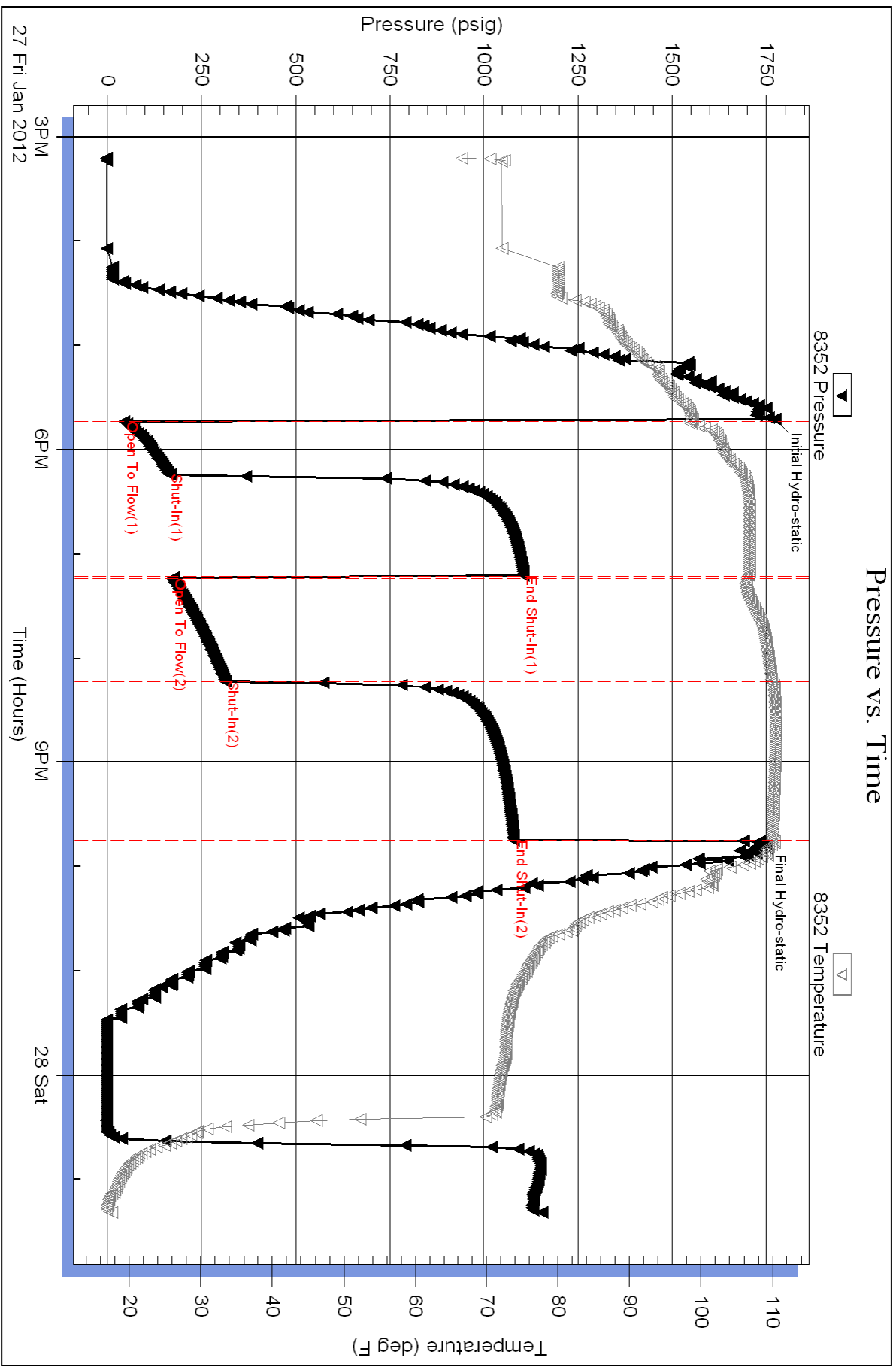
Recovery Comments:

Serial #: 8352

Outside Murfin Drilling Co.

Ruder A#1-1

DST Test Number: 1



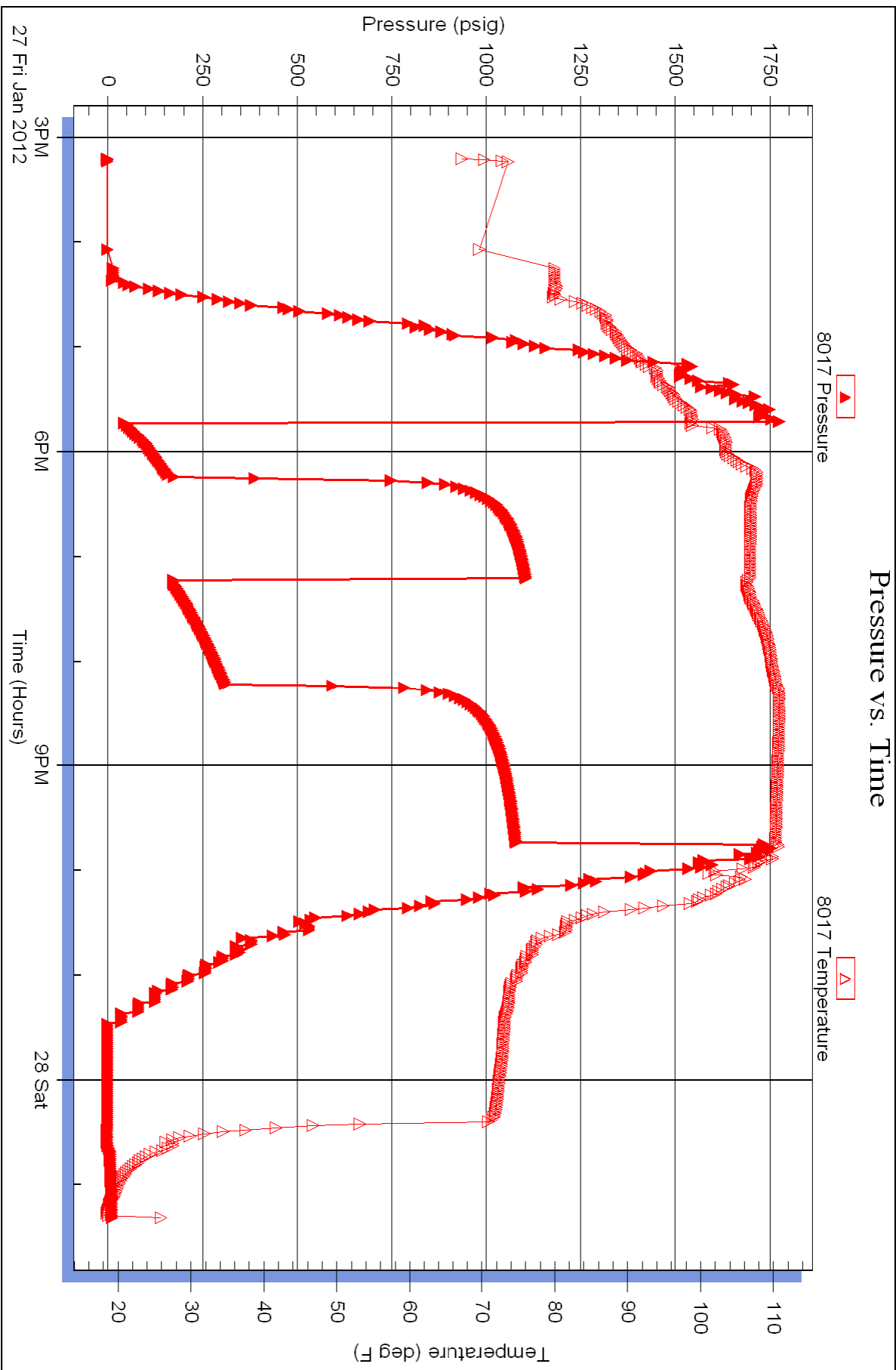
Serial #: 8017

Inside

Murfin Drilling Co.

Ruder A#1-1

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45677

DST#: 2

Test Start: 2012.01.28 @ 08:32:05

GENERAL INFORMATION:

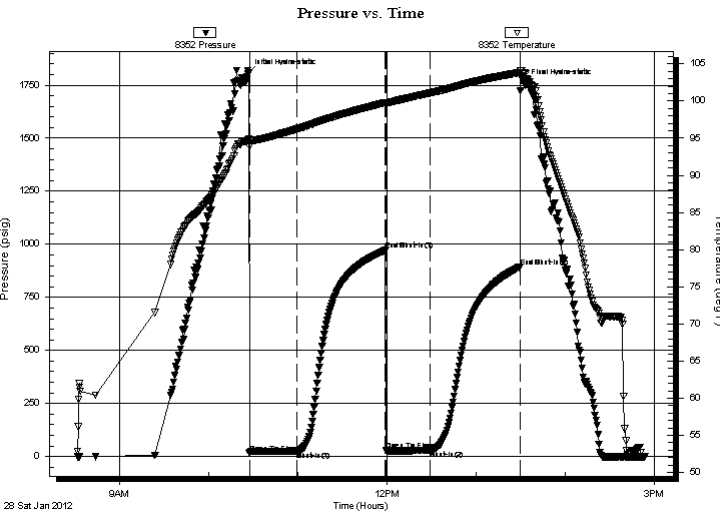
Formation: **LKC"D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:27:30
 Time Test Ended: 14:53:29
 Interval: **3683.00 ft (KB) To 3700.00 ft (KB) (TVD)**
 Total Depth: 3700.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2293.00 ft (KB)
 2288.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8352

Outside

Press @ Run Depth: 28.27 psig @ 3684.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.28 End Date: 2012.01.28 Last Calib.: 2012.01.28
 Start Time: 08:32:05 End Time: 14:53:29 Time On Btm: 2012.01.28 @ 10:26:40
 Time Off Btm: 2012.01.28 @ 13:32:29

TEST COMMENT: IF:(30min) Weak 1" blow .
 IS:(60min) No Return
 FF:(30min) Weak surface blow
 FS:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.99	94.76	Initial Hydro-static
1	16.33	93.87	Open To Flow (1)
33	24.84	96.23	Shut-In(1)
93	972.10	99.80	End Shut-In(1)
93	26.85	99.64	Open To Flow (2)
123	28.27	101.08	Shut-In(2)
183	893.71	103.84	End Shut-In(2)
186	1759.23	103.78	Final Hydro-static

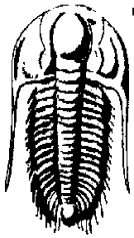
Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/oil spcks in tool	0.10

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.
250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

1-11s-24w Trego
Ruder A #1-1
Job Ticket: 45677 **DST#: 2**
Test Start: 2012.01.28 @ 08:32:05

GENERAL INFORMATION:

Formation: **LKC"D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:27:30
Time Test Ended: 14:53:29
Interval: **3683.00 ft (KB) To 3700.00 ft (KB) (TVD)**
Total Depth: 3700.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 39
Reference Elevations: 2293.00 ft (KB)
2288.00 ft (CF)
KB to GR/CF: 5.00 ft

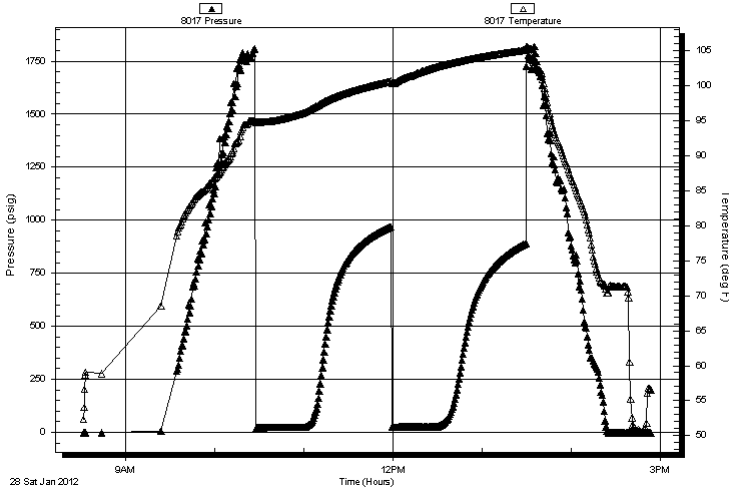
Serial #: 8017

Inside

Press@RunDepth: psig @ 3684.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.28 End Date: 2012.01.28 Last Calib.: 2012.01.28
Start Time: 08:32:05 End Time: 14:53:29 Time On Btm:
Time Off Btm:

TEST COMMENT: IF:(30min) Weak 1" blow .
IS:(60min) No Return
FF:(30min) Weak surface blow
FS:(60min) No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/oil spcks in tool	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.

Ruder A #1-1

Job Ticket: 45677

DST#: 2

ATTN: Mike Monte

Test Start: 2012.01.28 @ 08:32:05

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:

bbf

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Mud w/oil spcks in tool	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

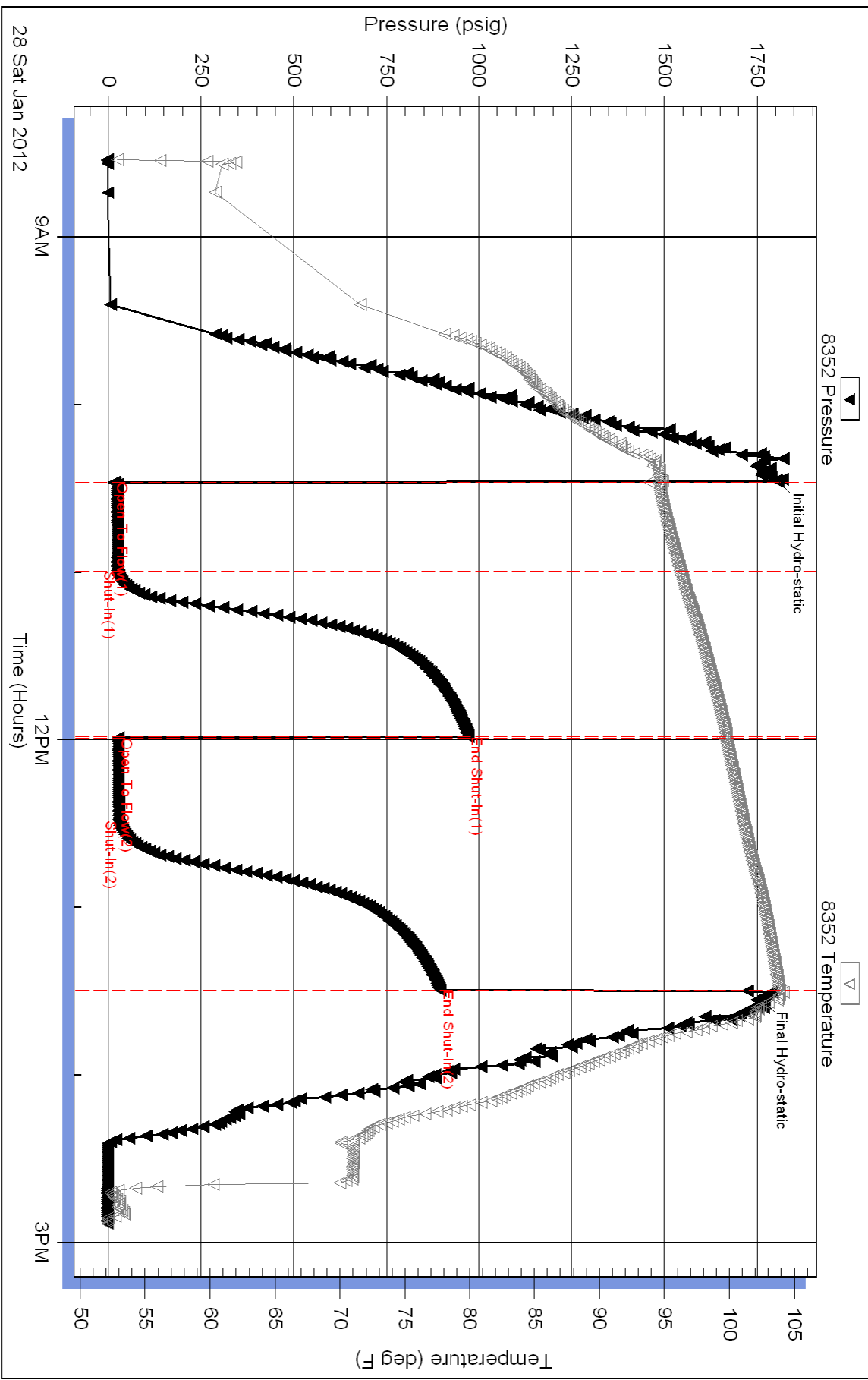
Serial #: 8352

Outside Murfin Drilling Co.

Ruder A#1-1

DST Test Number: 2

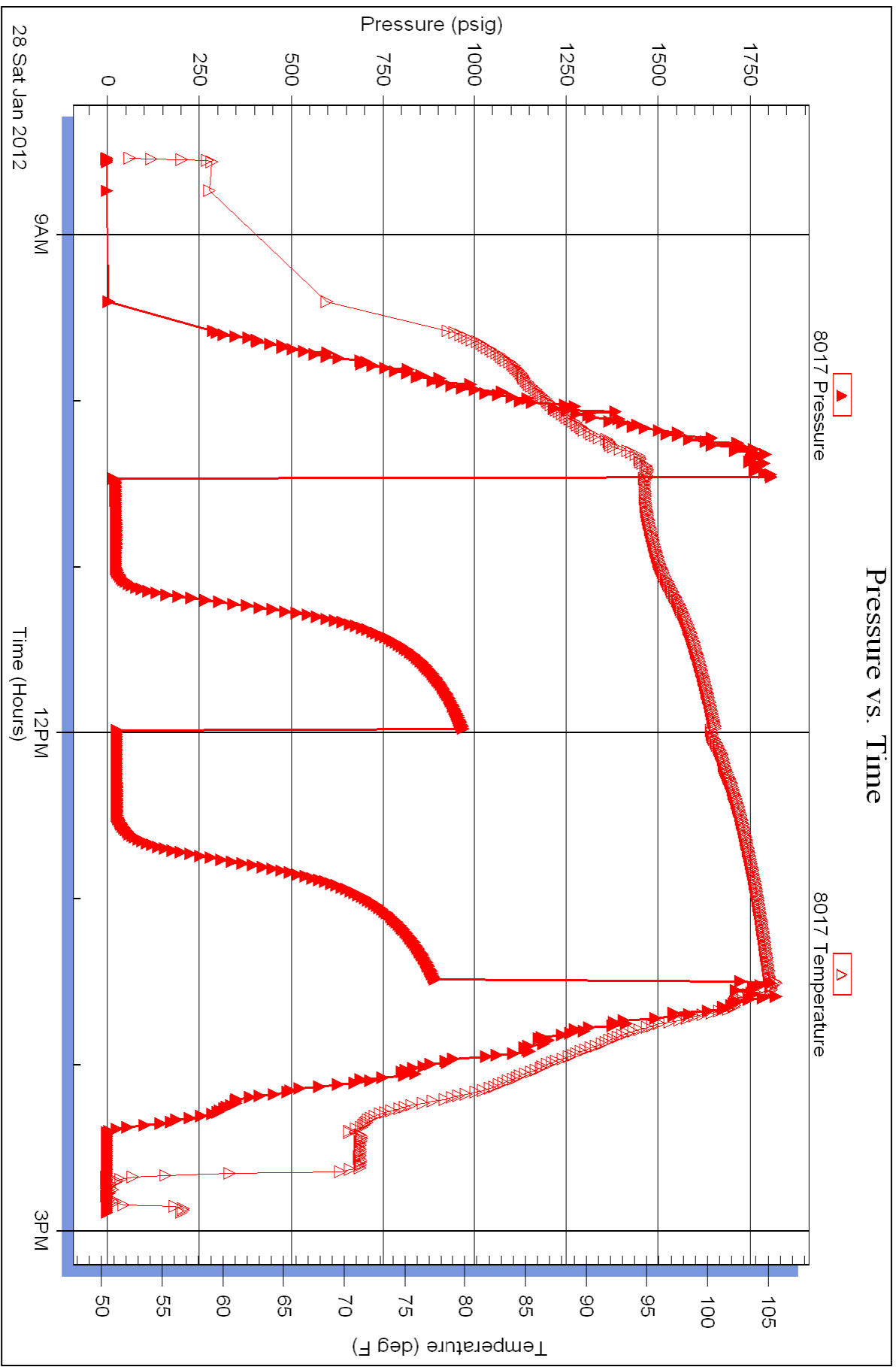
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 45677

Printed: 2012.01.28 @ 15:36:59





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45678

DST#: 3

Test Start: 2012.01.28 @ 23:31:05

GENERAL INFORMATION:

Formation: **LKC"E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:37:00

Time Test Ended: 07:54:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 3702.00 ft (KB) To 3736.00 ft (KB) (TVD)

Reference Elevations: 2293.00 ft (KB)

Total Depth: 3736.00 ft (KB) (TVD)

2288.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 296.39 psig @ 3703.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.28

End Date:

2012.01.29

Last Calib.:

2012.01.29

Start Time: 23:31:05

End Time:

07:54:10

Time On Btm:

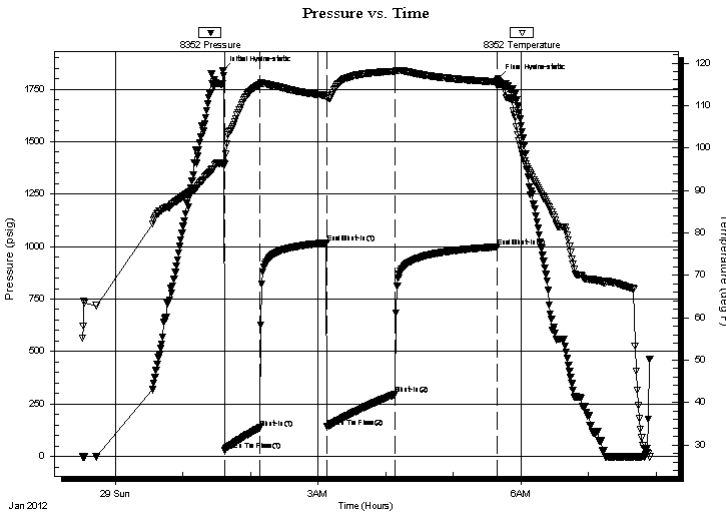
2012.01.29 @ 01:35:40

Time Off Btm:

2012.01.29 @ 05:39:39

TEST COMMENT: IF:(30min) BOB, 8 min.
ISl:(60min) Return blow , 1" in 10min, 1.5" in 20min, Surface blow in 45min.
FF:(60min) BOB, 10 min.
FSl:(90min) Return blow , 1" in 10 min. Died in 30 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.20	96.38	Initial Hydro-static
2	27.01	96.07	Open To Flow (1)
33	136.12	115.00	Shut-In(1)
92	1017.76	112.35	End Shut-In(1)
93	141.01	111.87	Open To Flow (2)
153	296.39	118.09	Shut-In(2)
244	998.71	115.59	End Shut-In(2)
244	1800.92	115.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
550.00	Water	7.45
10.00	Oil	0.14
0.00	GIP= 180ft	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 Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45678

DST#: 3

Test Start: 2012.01.28 @ 23:31:05

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: 100000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
550.00	Water	7.446
10.00	Oil	0.140
0.00	GIP= 180ft	0.000

Total Length: 560.00 ft Total Volume: 7.586 bbf

Num Fluid Samples: 0

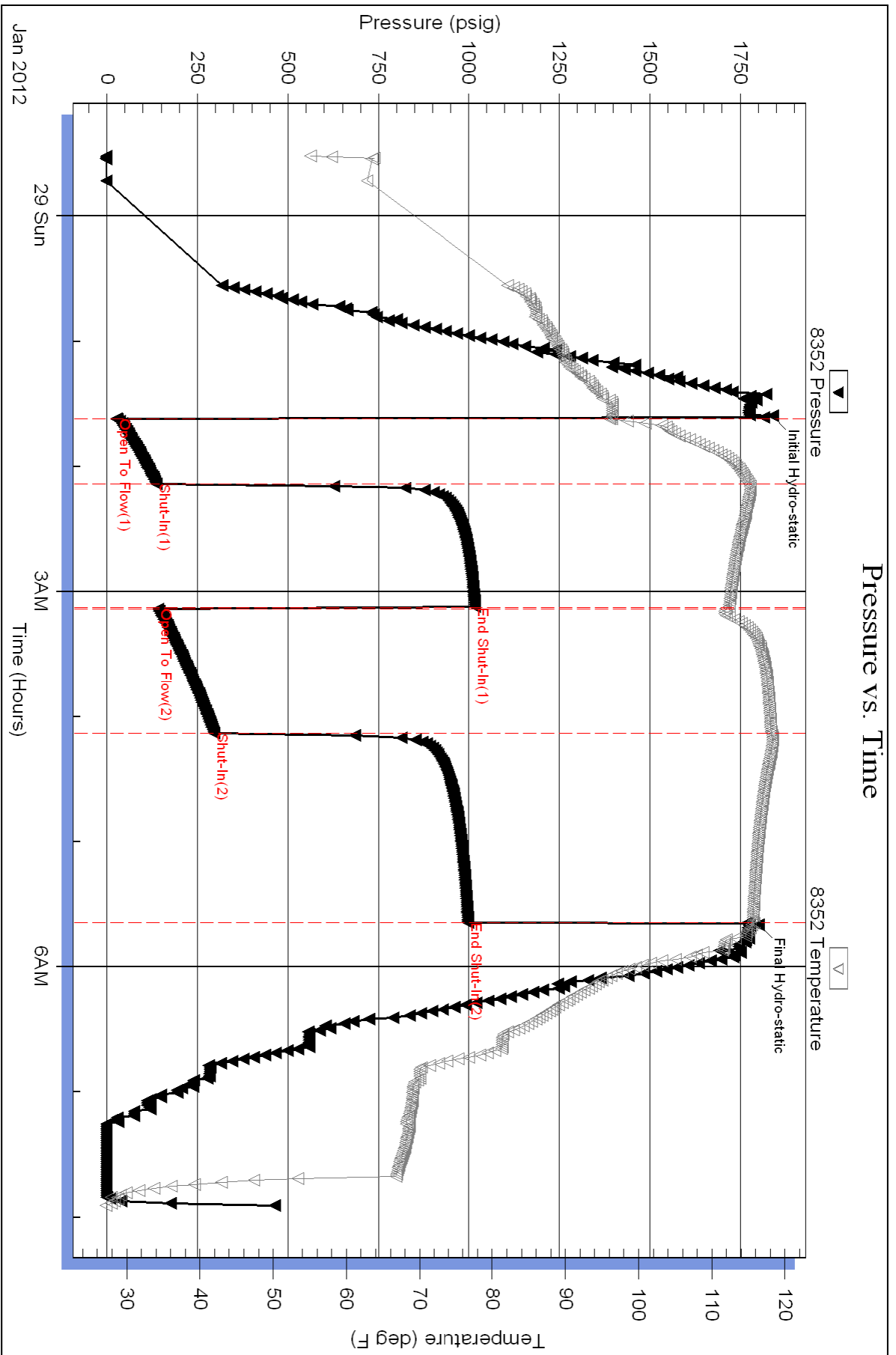
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity- .20 @ 26 deg. = 100000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45679

DST#: 4

Test Start: 2012.01.29 @ 22:52:05

GENERAL INFORMATION:

Formation: **LKC"H,I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:53:20

Time Test Ended: 09:34:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 3760.00 ft (KB) To 3828.00 ft (KB) (TVD)

Reference Elevations: 2293.00 ft (KB)

Total Depth: 3828.00 ft (KB) (TVD)

2288.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 1216.78 psig @ 3764.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.29

End Date: 2012.01.30

Last Calib.: 2012.01.30

Start Time: 22:52:05

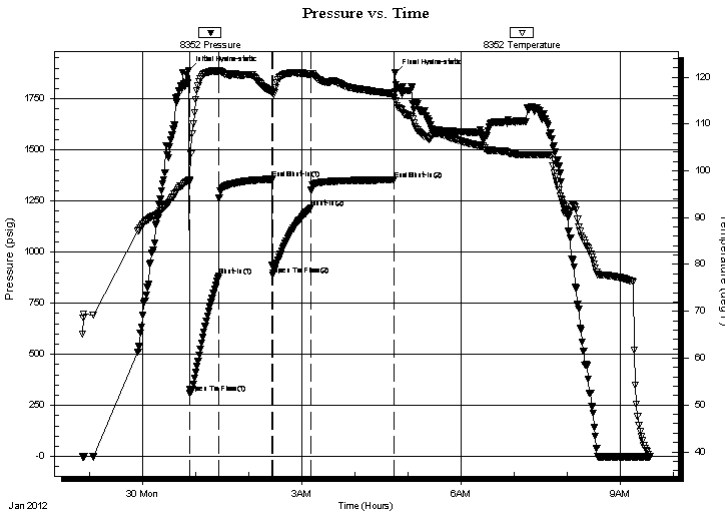
End Time: 09:34:00

Time On Btm: 2012.01.30 @ 00:51:50

Time Off Btm: 2012.01.30 @ 04:45:09

TEST COMMENT: IF:(30min) BOB 1 min.
IS:(60min) Return blow, BOB 10min. Gas to surface 20 min.
FF:(45min) BOB immediately. Gas TSTM.
FS:(90min) BOB 1 min after bleed off.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.10	98.02	Initial Hydro-static
2	310.15	98.10	Open To Flow (1)
34	882.50	121.30	Shut-In(1)
95	1356.48	116.86	End Shut-In(1)
95	888.04	116.62	Open To Flow (2)
139	1216.78	120.61	Shut-In(2)
232	1352.96	116.45	End Shut-In(2)
234	1875.15	116.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM g=10% o=10% m=80%	0.57
60.00	GOCM g=10% o=70% m=70%	0.84
3430.00	CGO g=20% o=80%	48.11
0.00	GIP= To Surface	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 Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45679

DST#: 4

Test Start: 2012.01.29 @ 22:52:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.80 in³

Resistivity: ohm.m

Salinity: 3300.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM g=10% o=10% m=80%	0.573
60.00	GOCM g=10% o=70% m=70%	0.842
3430.00	CGO g=20% o=80%	48.114
0.00	GIP= To Surface	0.000

Total Length: 3550.00 ft Total Volume: 49.529 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

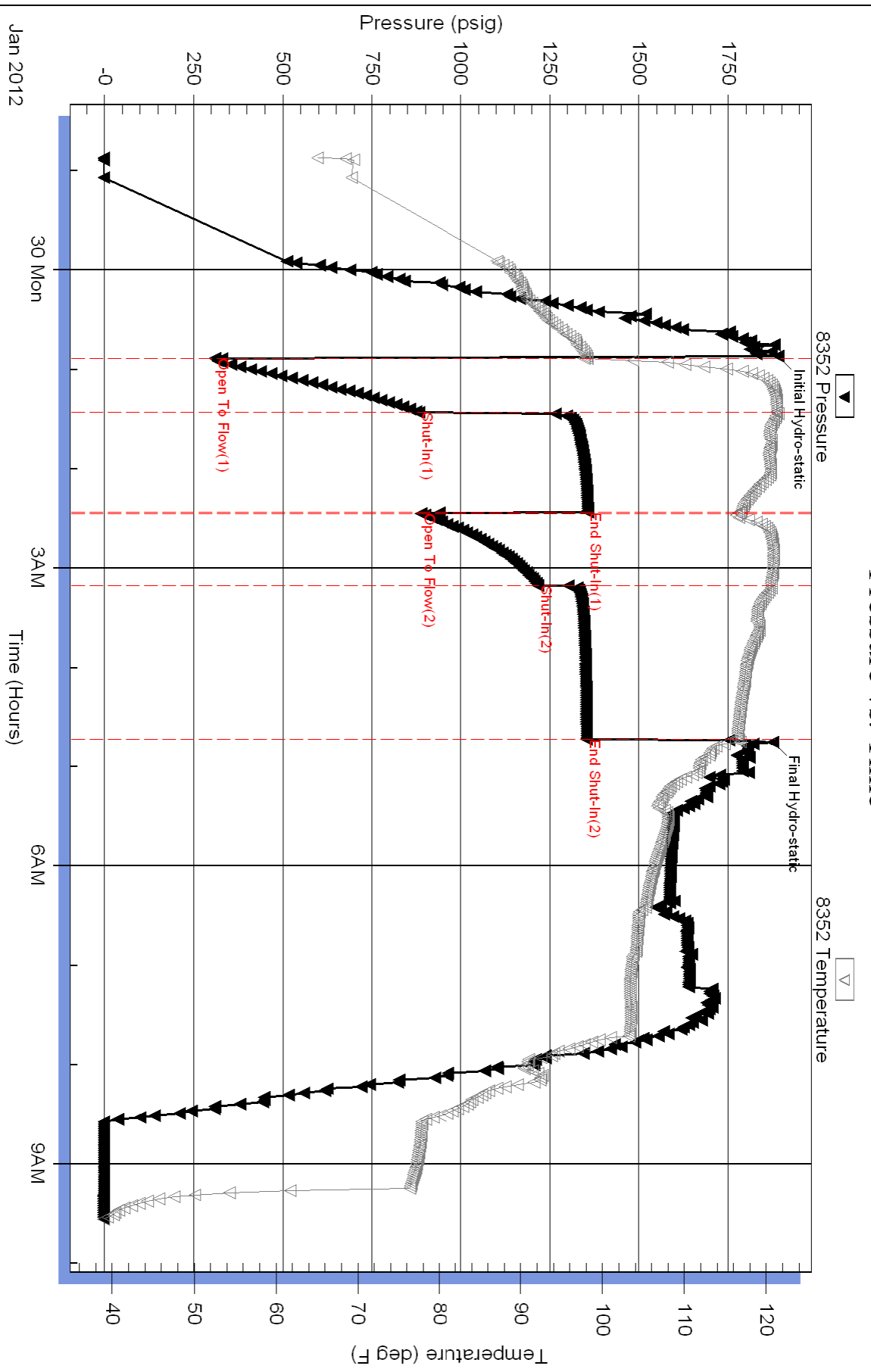
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co.
 250 N. Water
 STE 300
 Wichita Ks.
 ATTN: Mike Monte

1-11s-24w Trego
Ruder A #1-1
 Job Ticket: 45680 **DST#: 5**
 Test Start: 2012.01.30 @ 16:30:05

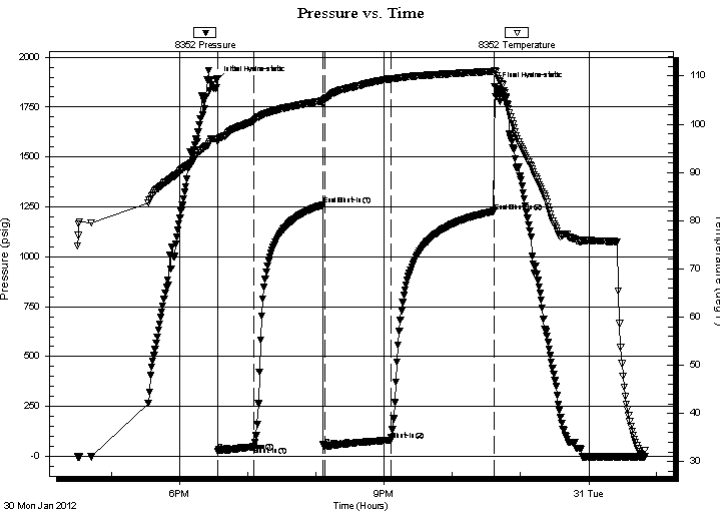
GENERAL INFORMATION:

Formation: **LKC"K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:33:30
 Time Test Ended: 00:49:20
Interval: 3828.00 ft (KB) To 3850.00 ft (KB) (TVD)
 Total Depth: 3850.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2293.00 ft (KB)
 2288.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 81.84 psig @ 3829.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.30 End Date: 2012.01.31 Last Calib.: 2012.01.31
 Start Time: 16:30:05 End Time: 00:49:20 Time On Btm: 2012.01.30 @ 18:32:30
 Time Off Btm: 2012.01.30 @ 22:37:09

TEST COMMENT: IF:(30min) 7" in 3 min. BOB in 8 min.
 IS:(60min) Return blow 1" after bleed off, 3" after 27 min. & throughout.
 FF:(60min) BOB, 6 min.
 FS:(90min) Return Blow 1" in 6 min. 5" in 23 min. & throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.30	97.03	Initial Hydro-static
1	23.85	96.35	Open To Flow (1)
33	48.71	100.78	Shut-In(1)
94	1259.94	104.87	End Shut-In(1)
95	51.91	105.14	Open To Flow (2)
154	81.84	109.38	Shut-In(2)
244	1227.60	110.98	End Shut-In(2)
245	1853.99	111.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	HOCGM g=20% o=30% m=50%	1.41
50.00	CGO g=20% o=80%	0.70
0.00	GIP= 800ft	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 Co.

1-11s-24w Trego

250 N. Water
STE 300
Wichita Ks.
ATTN: Mike Monte

Ruder A #1-1

Job Ticket: 45680

DST#: 5

Test Start: 2012.01.30 @ 16:30:05

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	HOCGM g=20% o=30% m=50%	1.415
50.00	CGO g=20% o=80%	0.701
0.00	GIP= 800ft	0.000

Total Length: 170.00 ft Total Volume: 2.116 bbl

Num Fluid Samples: 0

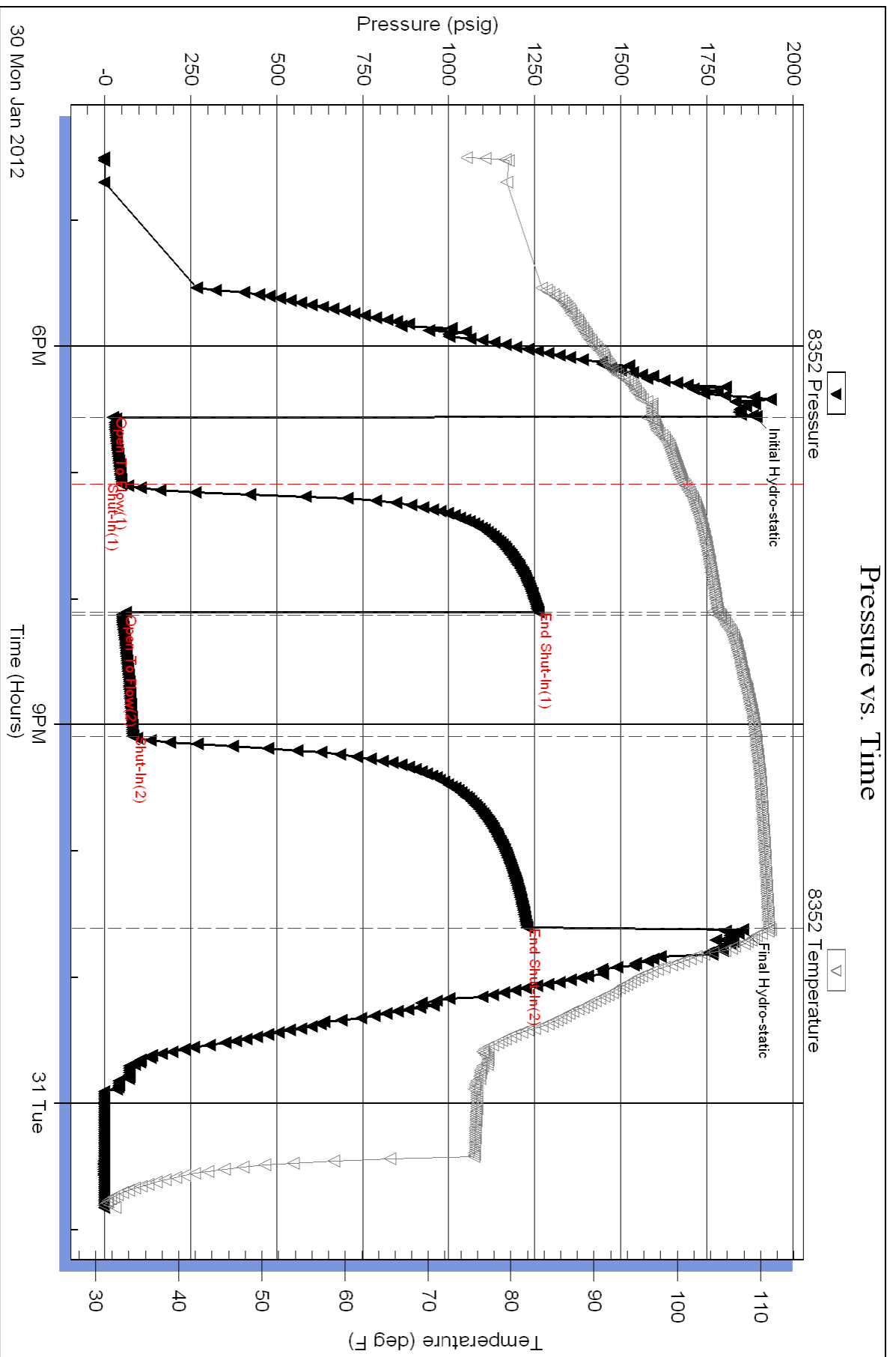
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





QUALITY OILWELL CEMENTING, INC.

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

Date: 1/26/2012
 Invoice # 613

Page 11
Over

P.O.#:

Due Date: 2/25/2012

Division: *Russell*

Invoice

USED FOR _____
 APPROVED _____

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

OPERATOR PAY MDC
LEASE: Rudera A 1-1

Reference:
 RUDER A 1-1 *Om*
Description of Work:
 SURFACE JOB

PAID
2/23/12
3/1/12

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	150	\$ 1,986.86	Yes				
Pump Truck Mileage-Job to Nearest Camp	42	\$ 455.09	No				
Bulk Truck Matl-Material Service Charge	158	\$ 343.09	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	42	\$ 266.30	No				
Calcium Chloride	5	\$ 204.44	Yes				
Premium Gel (Bentonite)	3	\$ 53.03	Yes				

Invoice Terms:

Net 30		SubTotal: \$ 4,300.19
	<i>Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (645.03)
<hr/>		
	SubTotal for Taxable Items:	\$ 1,907.67
	SubTotal for Non-Taxable Items:	\$ 1,747.49
<hr/>		
	Total:	\$ 3,655.16
	Tax:	\$ 129.72
	Amount Due:	\$ 3,784.88
	Applied Payments:	
	Balance Due:	\$ 3,784.88

Thank You For Your Business!

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

6.80% Trego County Sales Tax

OK
 3/15

[Handwritten signature]

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 613

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-23-12	1	11	24	Trego	KS		2:00pm
Lease <u>Roder A</u>	Well No. <u>1-1</u>		Location <u>Welfordy v RR 3rd into</u>				
Contractor <u>Martin #16</u>				Owner			
Type Job <u>Surface</u>				To Quality Oilwell Cementing, Inc.			
Hole Size <u>12 1/4</u>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg. <u>8 5/8</u>		T.D. <u>222</u>		Charge To <u>Martin</u>			
Tbg. Size		Depth <u>220</u>		Street			
Tool		Depth		City		State	
Cement Left in Csg. <u>15'</u>		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <u>13BC</u>		Cement Amount Ordered <u>150 com 3/4cc 2 1/2 lb</u>			
EQUIPMENT							
Pumptrk <u>5</u>	No.	Cementer <u>Lang</u>		Common <u>150</u>			
		Helper <u>Brett</u>		Poz. Mix			
Bulktrk	No.	Driver <u>Brian</u>		Gel. <u>3</u>			
Bulktrk <u>13</u>	No.	Driver <u>Brian</u>		Calcium <u>5</u>			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>8 5/8 on bottom. Est. Circulation -</u>				Handling <u>158</u>			
<u>Mix 150 com Displace</u>				Mileage			
<u>Cement Circulated!</u>				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets <u>8 5/8 Swage</u>			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>42</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>[Signature]</u>							

Accty -

cc: wlf
cc: gl
Scan 6/2



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



Invoice

DATE	INVOICE #
2/13/2012	21405

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-1	Ruder A	Trego	Company Tools	Oil	Development	Port Collar	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	6.00	240.00
576D-D	Pump Charge - Port Collar - 1929 Feet				1	Job	1,250.00	1,250.00
290	D-Air				2	Gallon(s)	35.00	70.00T
279	Bentonite Gel				5	Sack(s)	25.00	125.00T
330	Swift Multi-Density Standard (MIDCON II)				200	Sacks	16.50	3,300.00T
276	Flocele				100	Lb(s)	2.00	200.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				440	Ton Miles	1.00	440.00
	Subtotal							6,075.00
	Sales Tax Trego County						6.80%	251.26
USED FOR					IC 104			
APPROVED					[Signature]			

We Appreciate Your Business!

Total

\$6,326.26



CHARGE TO: Marlin Duly Co. Inc
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 No 21405

PAGE 1 OF 1

SERVICE LOCATIONS
 1. Hays, Ks WELL/PROJECT NO. A 41-1 LEASE Rader COUNTY/PARISH T-eye STATE Ks CITY Location DATE 2-13-12 OWNER Same
 2. Ness City, Ks TICKET TYPE CONTRACTOR SERVICE SALES RIG NAME/NO. C-Tools SHIPPED VIA CT DELIVERED TO Location ORDER NO.
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Part Collar WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	4	mi			6.00	24.00
576D					Ramp Charge (Part Collar)	1	ea	1929		1250.00	1250.00
290					D-Air	2	gal			35.00	70.00
279					Barterite gel	5	sls			25.00	125.00
330					SMD Cement	200	sls			16.50	3300.00
276					Floacle	100	#			2.00	200.00
581					Cement Service Charge	225	sls			2.00	450.00
583					D-ayage	440	TON			1.00	440.00

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
 X [Signature] DATE SIGNED 2-13-12 TIME SIGNED 1225 AM P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6075	
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					
TOTAL				6075	6326.26

Thank You!

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR [Signature] APPROVAL

JOB LOG

SWIFT Services, Inc.

DATE 2-13-12 PAGE NO.

CUSTOMER
Martin Daly Co. Inc

WELL NO.
A #1-1

LEASE
Rader

JOB TYPE
Part Collar

TICKET NO.
21405

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1040							on loc set up Trks
								2 3/8" x 5 1/2" P.C. 1929'
	1110						1200	Test Csg to 1200 Psi
								Open P.C.
	1115	3.5	3				200	Take rate & check blow
	1120	4	0				250	Start Gel
	1124	4	15/0				250	Start Cement
		4	95				300	circ cement / raise weight
	1150	4	100/0				300	End Cement / Start Displacement
	1152		10				350	Cement displaced
								Close P.C.
	1155							Test Csg to 1000 Psi
								Run 5' ts
	1205	3	0				150	Reverse out
	1215		25					Hole clean
								200 sks SMD
								circ 20 sks to Pit
								Thank you
								Nick, Josh F, & Rob



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



Accts -

cc: WIT
cc: p1
Scam List

Invoice

DATE	INVOICE #
2/1/2012	21250

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

USED FOR

APPROVED

IC 103

[Signature]

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-1	Ruder A	Trego	Company Rig	Oil	Development	Cement LongStri...	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	45	Miles	6.00	270.00
578D-L	Pump Charge - Long String - 3987 Feet	1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
403-5	5 1/2" Cement Basket	1	Each	250.00	250.00T
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
409-5	5 1/2" Turbolizer	10	Each	90.00	900.00T
413-5	5 1/2" Roto Wall Scratcher	25	Each	40.00	1,000.00T
419-5	5 1/2" Rotating Head Rental	1	Each	200.00	200.00T
325	Standard Cement	200	Sacks	13.50	2,700.00T
276	Flocele	50	Lb(s)	2.00	100.00T
283	Salt	1,000	Lb(s)	0.20	200.00T
284	Calseal	10	Sack(s)	35.00	350.00T
285	CFR-1	141	Lb(s)	4.00	564.00T
581D	Service Charge Cement	200	Sacks	2.00	400.00
583D	Drayage	470.95	Ton Miles	1.00	470.95
	Subtotal				13,324.95
	Sales Tax Trego County			6.80%	726.51

We Appreciate Your Business!

Total

\$14,051.46



CHARGE TO: Murphy Drilling Co.
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET NO. 21250

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Hays, KS
2. Ness City, KS
3.
4. REFERRAL LOCATION

WELL/PROJECT NO: 1-1 LEASE: Ruder 'A' COUNTY/PARISH: Toga STATE: Ks CITY: _____ DATE: 2-1-12 OWNER: _____
 TICKET TYPE: SERVICE SALES CONTRACTOR: Ca Rig RIG NAME NO.: #16 SHIPPED VIA: CT DELIVERED TO: Nu Mackeney, Ks ORDER NO.: _____
 WELL TYPE: _____ WELL CATEGORY: Wildcat JOB PURPOSE: Cement Linstripping WELL PERMIT NO.: _____
 INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE #	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			UM	UM	UM	UM		
575						113	45	mi			600	27000
578					Range Change out Linstripping		1	ea	3987	ft		150000
281					Liquid Kcl		4	gal			2500	10000
280					Flsback-21		500	gal			350	175000
290					D-Air		2	gal			3500	7000
403					Cement Basket		1	ea		5 1/4 in	25000	25000
404					Part Collar		1	ea		5 1/2 in	24000	24000
406					Lath Down Plug & Ballie		1	ea		5 1/2 in	25000	25000
407					Insert Firstshoe w/ Anti-Bill		1	ea		5 1/2 in	35000	35000
409					Turbalizer		1	ea		5 1/2 in	24000	24000
413					Rata Well Scrappers		25	ea		5 ft	4000	100000
419					Rotating Head Rental		1	ea		5 1/2 in	20000	20000

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: 2-1-12 TIME SIGNED: 0100 P.M. P.M.

SWIFT OPERATOR: Ann Jensen APPROVAL: _____

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

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? YES NO

CUSTOMER DID NOT WISH TO RESPOND

Sub total: 13324.95
 Free Tax: 726.51
 TOTAL: 14,051.46

Thank You!



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

TICKET CONTINUATION

TICKET No. 21850

CUSTOMER: *Murphy Dry. Co.* WELL: *F-1 Redor 'A'* DATE: *2-1-12* PAGE: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
285		2				Standard Cement	200	SKS	18800	lbs	1350	270000
276		2				Fluxcel	50	lbs			200	10000
283		2				Salt	1000	lbs			1.20	20000
284		2				Calsoal	940	lbs			3500	35000
285		2				CFR-1	141	lbs			400	56400
581		2				Cement	200	SKS			200	40000
583		2				MILEAGE CHARGE	200	lbs			100	47095
SERVICE CHARGE							CUBIC FEET					
MILEAGE CHARGE							TON MILES					
TOTAL WEIGHT												
LOADED MILES												
CONTINUATION TOTAL											47841.95	

JOB LOG

SWIFT Services, Inc.

DATE 2-1-12 PAGE NO. 1

CUSTOMER *Martin Drilling Co.* WELL NO. *1-1* LEASE *Ruder 'A'* JOB TYPE *Cement Logging* TICKET NO. *21250*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD 3990	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	0015					15.5#/A	5 1/2		On location w/ float equip R3 LD D.C.
	0150								Start 5 1/2 - 15.5#/A casing to 3987'
									Insert float shoe w/ auto-fill
									L.D. Baffle - 35 - 30' @ 3957'
									Ceaf Number 1-2-3-5-7-9-11-13-20
									Cut, Basket Pin end #48
									Port Collar - collar #49 @ 1929'
	0250								@ 50 Jts in - cir 30 min
									Drop fill up ball 5 Jts out
	0415								Fin run casing
	0445								Start cir & Rotate casing
	0600								Fin cir - Hook to Swift Trk
		5	15					350	Pump 15 BBI KCL Flush
		5	12					300	Pump 500 gal Flocheck 21
		5	5					300	Pump 5 BBI KCL spacer
		4						250	Start 150 SKS EA-2 ceaf @ 15.5#/gal
			36					VEC	Fin ceaf. Wash out pumps & lines
	0620	9						400	Drop L.D. Plug - Start Displ
		8						450	Caught lift press - slow rate gradually
		6 1/2							slow rate
	0635		9 1/4					800 100	Plug down - Hold - Release - Hold (94.2 BBI)
			7						Plug RH 30 SKS EA-2 ceaf
	0645								Job complete
									Wash up & Reel up Trk
	0700								<i>Frank</i> Don, Brian & Brandon