



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091702
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: _____

1091702

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <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
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 24, 2012

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

Re: ACO1
API 15-039-21150-00-00
Wessel 1-18
SW/4 Sec.18-04S-29W
Decatur 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

Wessel #1-18
 630' FSL 2015' FWL
 Sec. 18-4S-29W
 2758' KB

Young #1
 D R Lauck Oil Co.
 Sec. 17-4S-29W
 2777' KB

Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2550	+208	+20	2551	+207	+19	2589	+188
B/Anhydrite	2585	+173	+11	2585	+173	+11	2615	+162
Topeka	3660	-902	+19	3664	-906	+15	3698	-921
Heebner	3831	-1073	+16	3832	-1074	+15	3866	-1089
Lansing	3882	-1124	+16	3883	-1125	+15	3917	-1140
Stark	4036	-1278	+14	4038	-1280	+12	4069	-1292
BKC	4082	-1324	+15	4084	-1326	+13	4116	-1339
Pawnee	4185	-1427	+16	4192	-1433	+10	4220	-1443
Cherokee	4277	-1519	+9	4280	-1522	+6	4305	-1528
Mississippi	4394	-1636	-6	4402	-1644	-14	4407	-1630
RTD	4450						4470	
LTD				4452			4473	

Jeff Christian

PETROLEUM GEOLOGIST

Wichita, Kansas

GEOLOGISTS' REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR	MURKIN DRILLING COMPANY	ELEVATIONS	
LEASE	WESSSEL # 1-18	BL	2755'
LOCATION	630' FSJ & 2015' FWL	GL	2753'
SEC.	18 TWP5 4 S	R1NG	29 W
COUNTY	DECATUR	STATE	KANSAS
FIELD	WILD CAT	CASING RECORD	
API	15-039-21150	CONDUCTOR	NONE
CONTRACTOR	MURKIN	Surface	8.5/8" @ 218'
WELL DISC AGRD	3133	W/ 1.95 SX	
DRILLING STARTED	06/05/2012	COMPLETED	06/12/2012
DRILLING TIME (H:M:S)	3:56:00	TO	RTD
SAMPLES SAVED FROM	3580'	TO	RTD
SAMPLES EXAMINED FROM	3580'	TO	RTD
GEOLOGICAL SUPERVISION FROM	3645'	TO	RTD
FORMATION NAME	LOG	SAMPLE	
ANHYDRITE	TOP	DATE	TOP
TOPEKA	3664' (-906)	3660' (-902)	
HEEBNER	3833' (-1075)	3831' (-1073)	
LANSING	3882' (-1124)	3882' (-1124)	
STARK	4038' (-1280)	4036' (-1278)	
PAWNEE	4191' (-1433)	4185' (-1427)	
CHEROKEE	4280' (-1522)	4277' (-1519)	
MISSISSIPPIAN	4394' (-1636)	4394' (-1636)	
TOTAL DEPTH	4452' (-1694)	4450' (-1692)	

DATE	7:00 AM DEPTH	REMARKS
6/5/12	MIRT	SPUD 2:30 pm
6/6/12	560'	DRLG dev 1/2 deg. @ 218'
6/7/12	2420'	DRLG
6/8/12	3390'	DRLG
6/9/12	3914'	CFS dev 1/4 deg.
6/10/12	3956'	TIH for DST # 2
6/11/12	4064'	OB w/ DST # 3
6/12/12	4310'	CFS RTD 4450' @ 2:15 pm dev 1/2 deg.
		Finish Logging 2:00 am 6/13/12 P&A

Remarks

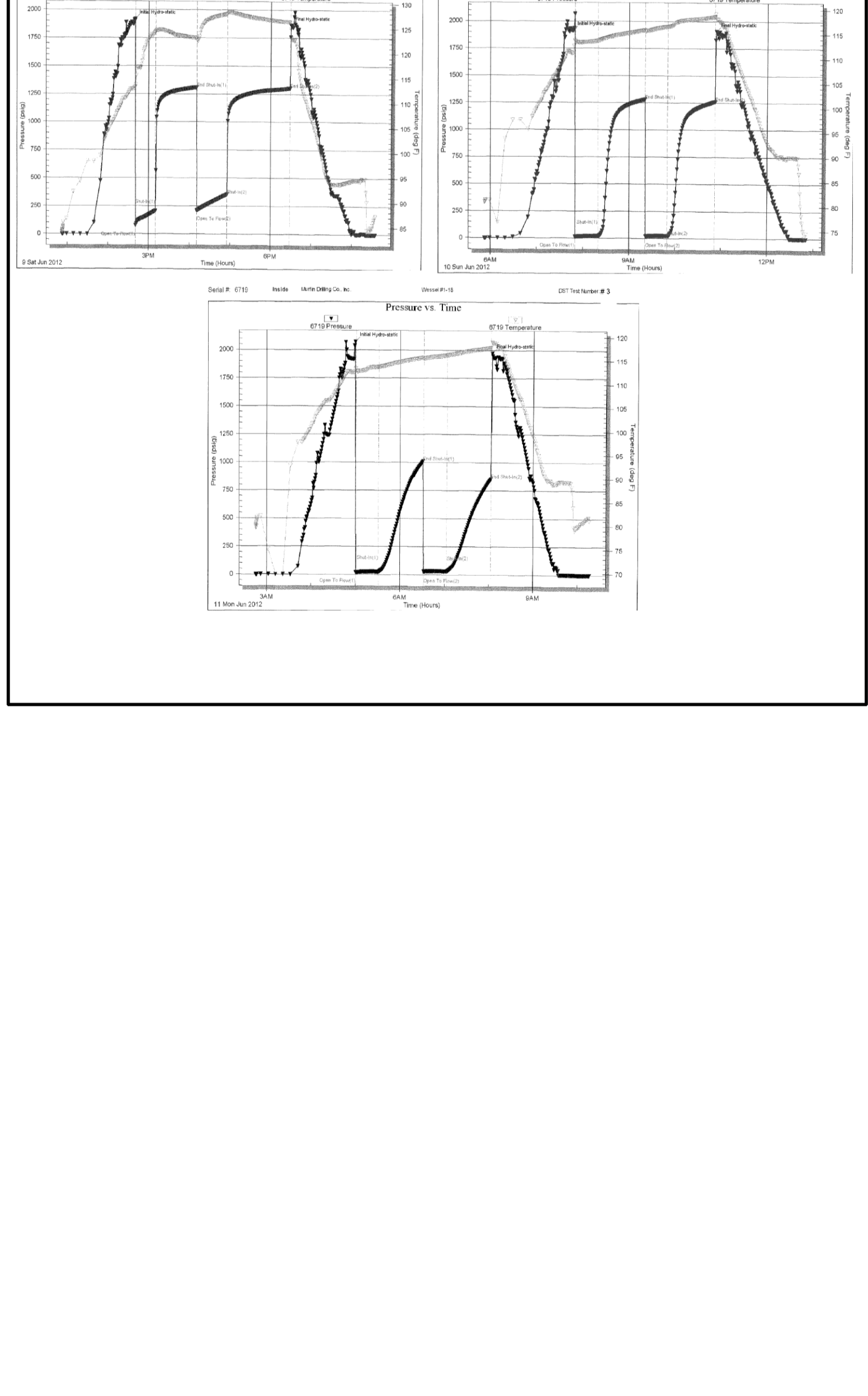
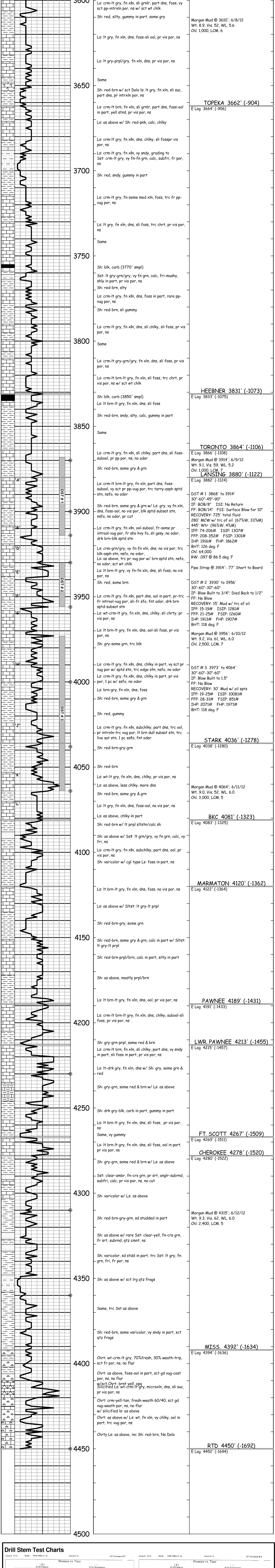
The Wessel # 1-18 was declared dry and abandoned.
 All sample shows of oil were condemned by drill stem tests.

Electric log measurements correlate about 2' deep compared to rotary measurements.
 Sample tops adjusted to the electric log.

Samples deposited at the Kansas Geological Survey.

Respectfully Submitted,

Jeff Christian
 Jeff Christian





DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Jeff Christian

Wessel #1-18

18-4s-29w Decatur,KS

Start Date: 2012.06.09 @ 12:52:00

End Date: 2012.06.09 @ 20:35:00

Job Ticket #: 48105 DST #: 1

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

Printed: 2012.06.13 @ 15:02:01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Jeff Christian

18-4s-29w Decatur, KS

Wessel #1-18

Job Ticket: 48105

DST#: 1

Test Start: 2012.06.09 @ 12:52:00

GENERAL INFORMATION:

Formation: **LKC "A-B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:40:30
 Time Test Ended: 20:35:00
 Interval: **3868.00 ft (KB) To 3914.00 ft (KB) (TVD)**
 Total Depth: 3914.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2758.00 ft (KB)
 2753.00 ft (CF)
 KB to GR/CF: 5.00 ft

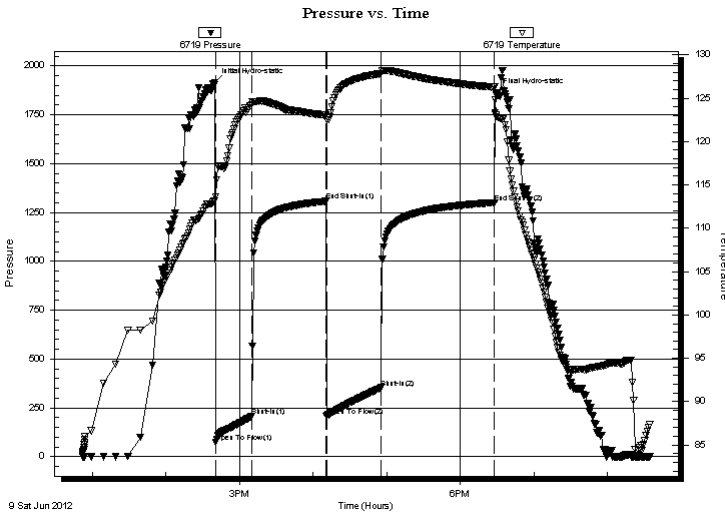
Serial #: 6719

Inside

Press @ Run Depth: 352.36 psig @ 3869.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.09 End Date: 2012.06.09 Last Calib.: 2012.06.09
 Start Time: 12:52:05 End Time: 20:34:59 Time On Btm: 2012.06.09 @ 14:40:00
 Time Off Btm: 2012.06.09 @ 18:29:00

TEST COMMENT: 30 - IF: 3" surge blow at open, built to BOB (11") at 8 min.
 60 - IS: Bled off, No blow back
 45 - FF: Blow built to BOB at 14 min.
 90 - FS: Bled off, w eak surface blow back for about 10 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.55	113.17	Initial Hydro-static
1	74.25	113.60	Open To Flow (1)
30	206.48	124.25	Shut-In(1)
91	1307.22	123.03	End Shut-In(1)
91	208.00	122.53	Open To Flow (2)
136	352.36	127.85	Shut-In(2)
228	1300.69	126.27	End Shut-In(2)
229	1861.73	123.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
445.00	Water 96%w , 4% m	4.54
280.00	MCW w/trace Oil 67%w , 33% m	3.93

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

18-4s-29w Decatur,KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48105

DST#: 1

ATTN: Jeff Christian

Test Start: 2012.06.09 @ 12:52:00

Tool Information

Drill Pipe:	Length: 3667.00 ft	Diameter: 3.80 inches	Volume: 51.44 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.36 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3868.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool Chased 6' to bottom at open - Mud was down about 15' - 3" surge blow at open

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3845.00	
Hydraulic tool	5.00			3850.00	
Jars	5.00			3855.00	
Safety Joint	3.00			3858.00	
Packer	5.00			3863.00	28.00 Bottom Of Top Packer
Packer	5.00			3868.00	
Stubb	1.00			3869.00	
Recorder	0.00	6719	Inside	3869.00	
Recorder	0.00	8320	Outside	3869.00	
Perforations	9.00			3878.00	
Blank Spacing	33.00			3911.00	
Bullnose	3.00			3914.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

18-4s-29w Decatur,KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48105

DST#: 1

ATTN: Jeff Christian

Test Start: 2012.06.09 @ 12:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

64000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
445.00	Water 96%w , 4%m	4.539
280.00	MCW w/trace Oil 67%w , 33%m	3.928

Total Length: 725.00 ft Total Volume: 8.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

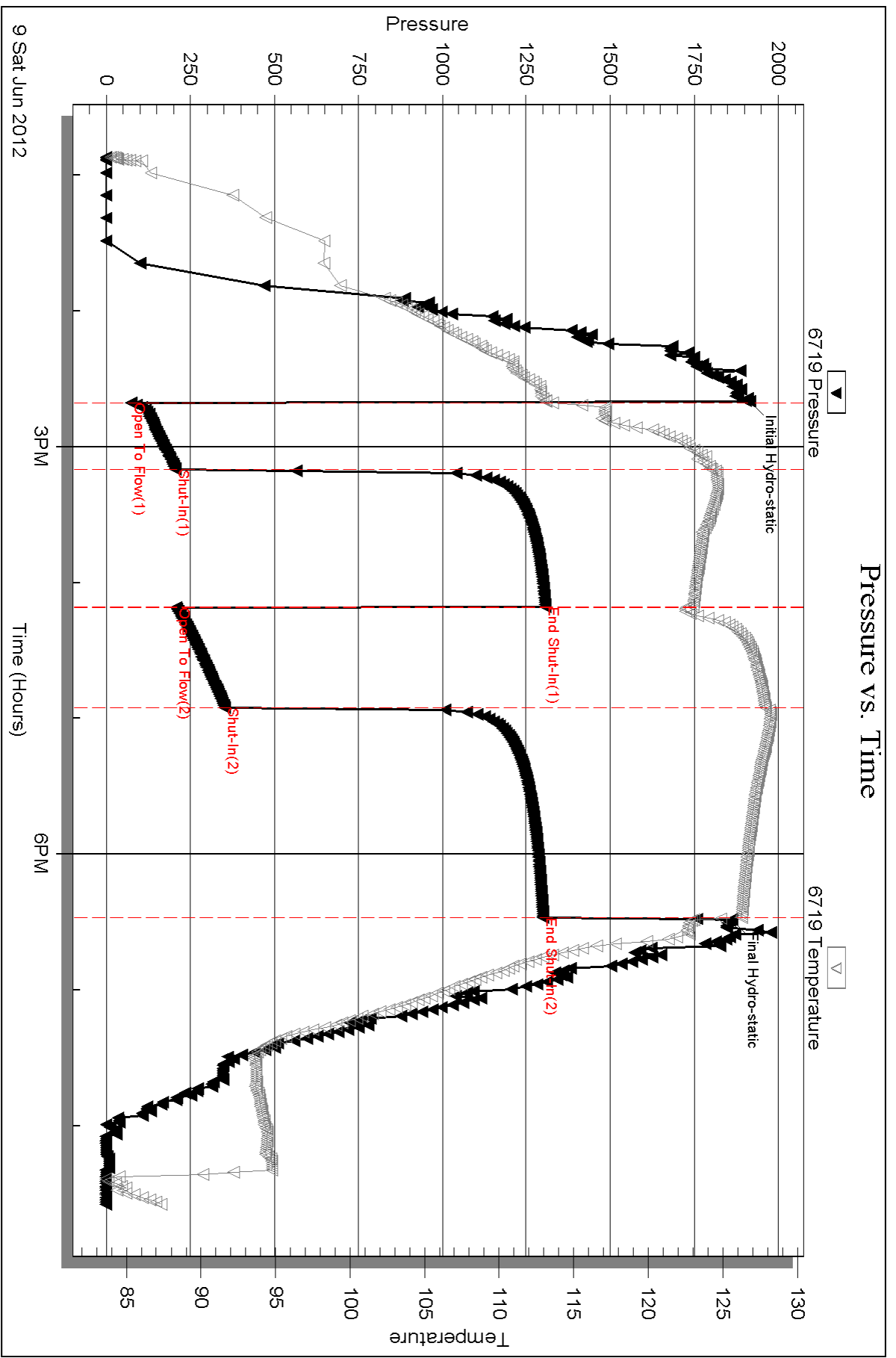
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .097 ohms @ 86.5 deg F

Chlorides = 64,000 ppm

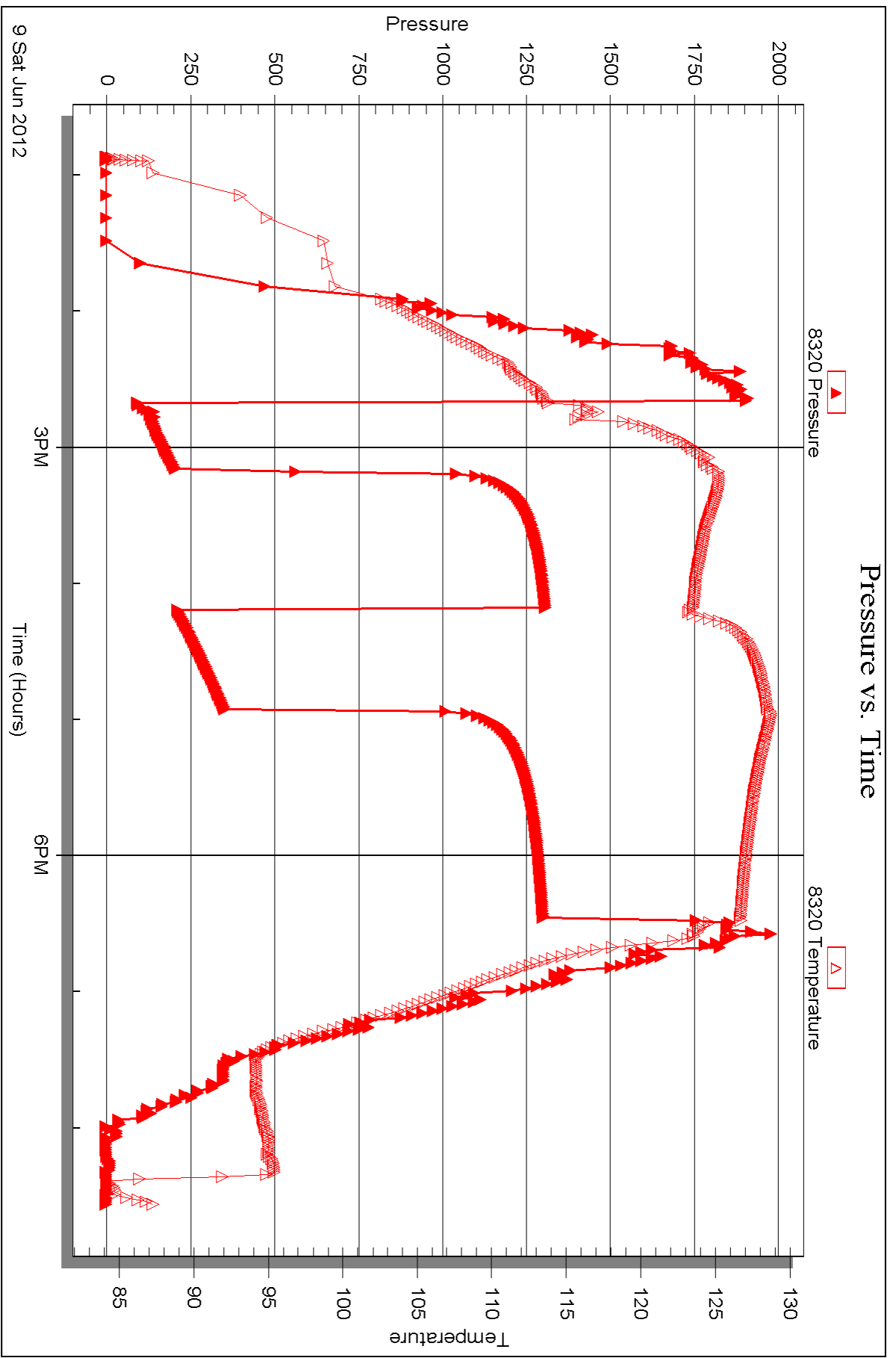


Serial #: 8320

Outside Murfin Drilling Co., Inc.

Messel #1-18

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48105

Printed: 2012.06.13 @ 15:02:04



DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Jeff Christian

Wessel #1-18

18-4s-29w Decatur,KS

Start Date: 2012.06.10 @ 05:52:00

End Date: 2012.06.10 @ 12:50:30

Job Ticket #: 48106 DST #: 2

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

Printed: 2012.06.13 @ 15:01:18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Jeff Christian

18-4s-29w Decatur, KS

Wessel #1-18

Job Ticket: 48106

DST#: 2

Test Start: 2012.06.10 @ 05:52:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:50:00
 Time Test Ended: 12:50:30
 Interval: **3930.00 ft (KB) To 3956.00 ft (KB) (TVD)**
 Total Depth: 3956.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2758.00 ft (KB)
 2753.00 ft (CF)
 KB to GR/CF: 5.00 ft

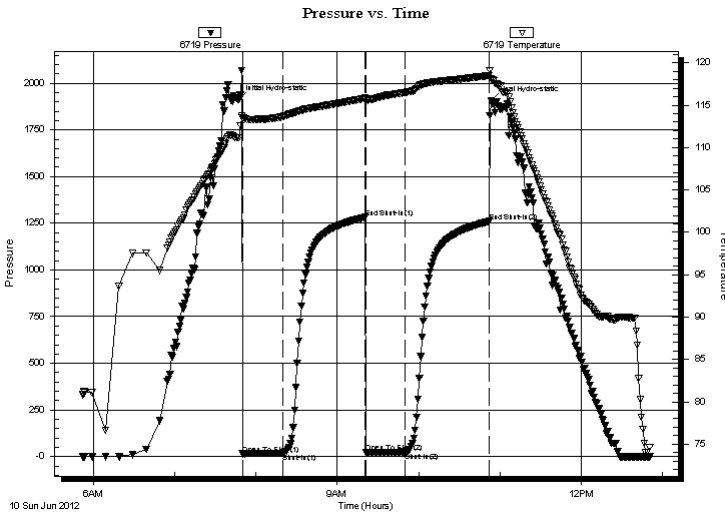
Serial #: 6719

Inside

Press @ Run Depth: 25.43 psig @ 3931.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.10 End Date: 2012.06.10 Last Calib.: 2012.06.10
 Start Time: 05:52:05 End Time: 12:50:29 Time On Btm: 2012.06.10 @ 07:47:30
 Time Off Btm: 2012.06.10 @ 10:53:30

TEST COMMENT: 30 - IF: Blow built to 3/4" in 15 min., died back to 1/2" blow at close
 60 - IS: Bled off, No blow back
 30 - FF: No blow
 60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.00	111.13	Initial Hydro-static
3	15.20	113.47	Open To Flow (1)
32	19.34	113.62	Shut-In(1)
93	1280.98	115.81	End Shut-In(1)
94	21.10	115.57	Open To Flow (2)
123	25.43	116.49	Shut-In(2)
185	1259.52	118.48	End Shut-In(2)
186	1906.84	118.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w /trace of Oil 100% m	0.07

* 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 Suite 300
 Wichita, KS 67202
 ATTN: Jeff Christian

18-4s-29w Decatur, KS

Wessel #1-18

Job Ticket: 48106

DST#: 2

Test Start: 2012.06.10 @ 05:52:00

GENERAL INFORMATION:

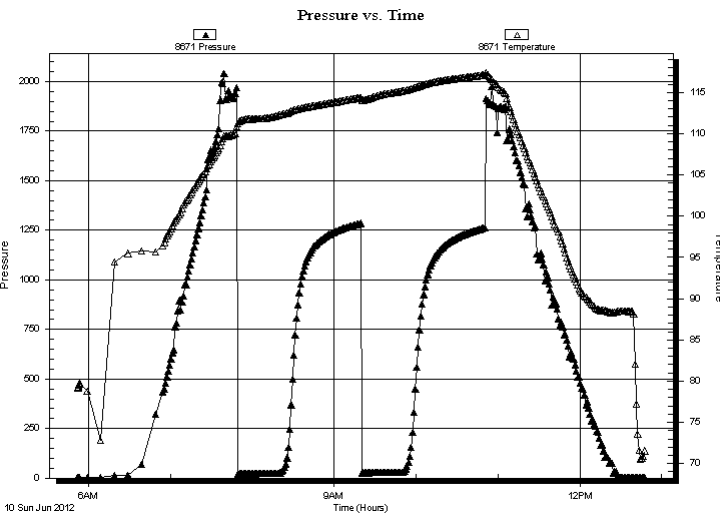
Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:50:00
 Time Test Ended: 12:50:30
Interval: 3930.00 ft (KB) To 3956.00 ft (KB) (TVD)
 Total Depth: 3956.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2758.00 ft (KB)
 2753.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8671

Outside

Press @ Run Depth: psig @ 3931.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.10 End Date: 2012.06.10 Last Calib.: 2012.06.10
 Start Time: 05:52:05 End Time: 12:47:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to 3/4" in 15 min., died back to 1/2" blow at close
 60 - IS: Bled off, No blow back
 30 - FF: No blow
 60 - FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w /trace of Oil 100%m	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

18-4s-29w Decatur,KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48106

DST#: 2

ATTN: Jeff Christian

Test Start: 2012.06.10 @ 05:52:00

Tool Information

Drill Pipe:	Length: 3728.00 ft	Diameter: 3.80 inches	Volume: 52.29 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose:	66000.00 lb
			<u>Total Volume: 53.21 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3930.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Tool slid 3' - 4' to bottom before opening - no mud loss

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3907.00	
Hydraulic tool	5.00			3912.00	
Jars	5.00			3917.00	
Safety Joint	3.00			3920.00	
Packer	5.00			3925.00	28.00 Bottom Of Top Packer
Packer	5.00			3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	6719	Inside	3931.00	
Recorder	0.00	8671	Outside	3931.00	
Perforations	22.00			3953.00	
Bullnose	3.00			3956.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

18-4s-29w Decatur,KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48106

DST#: 2

ATTN: Jeff Christian

Test Start: 2012.06.10 @ 05:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud w /trace of Oil 100%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

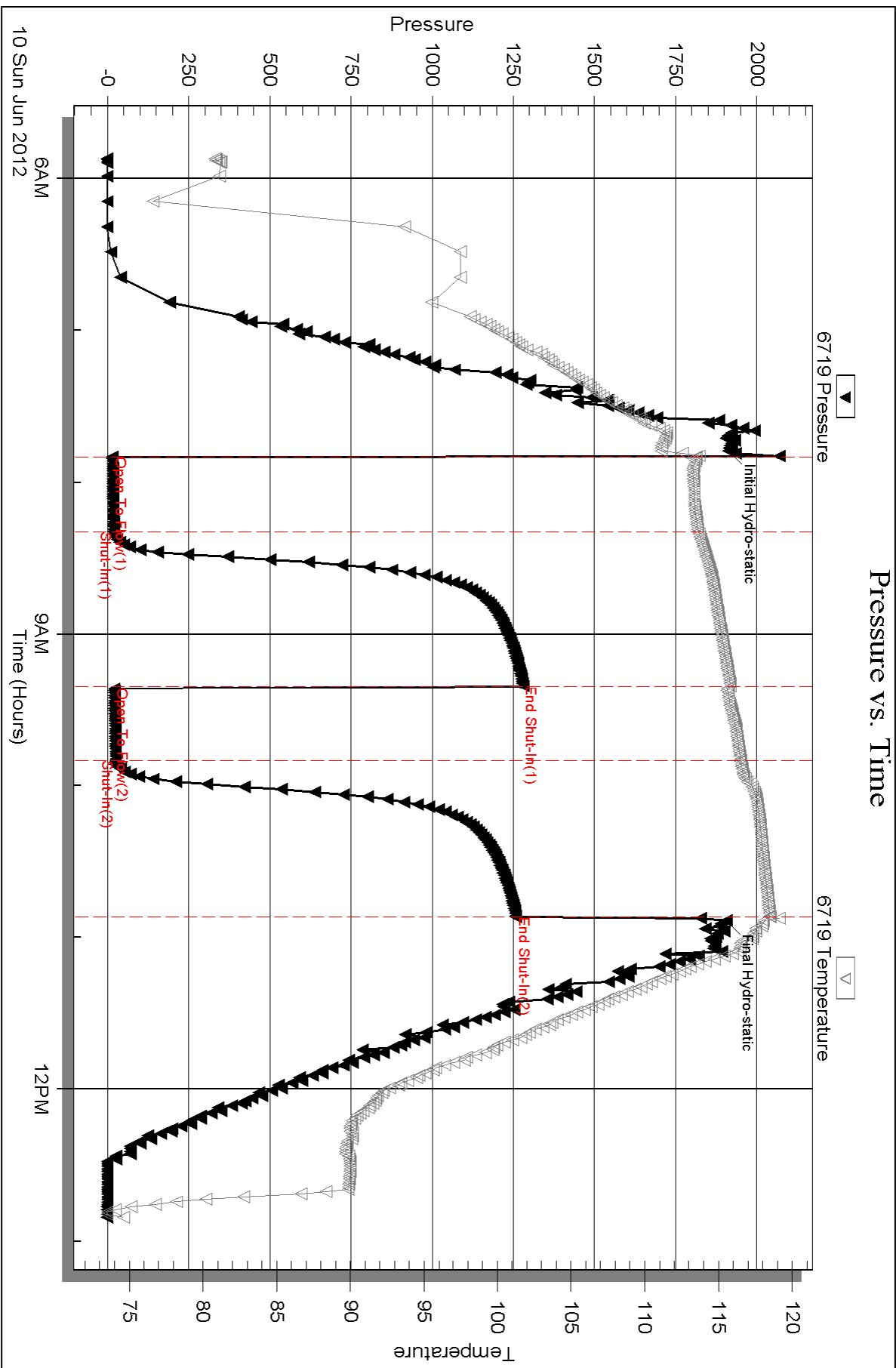
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

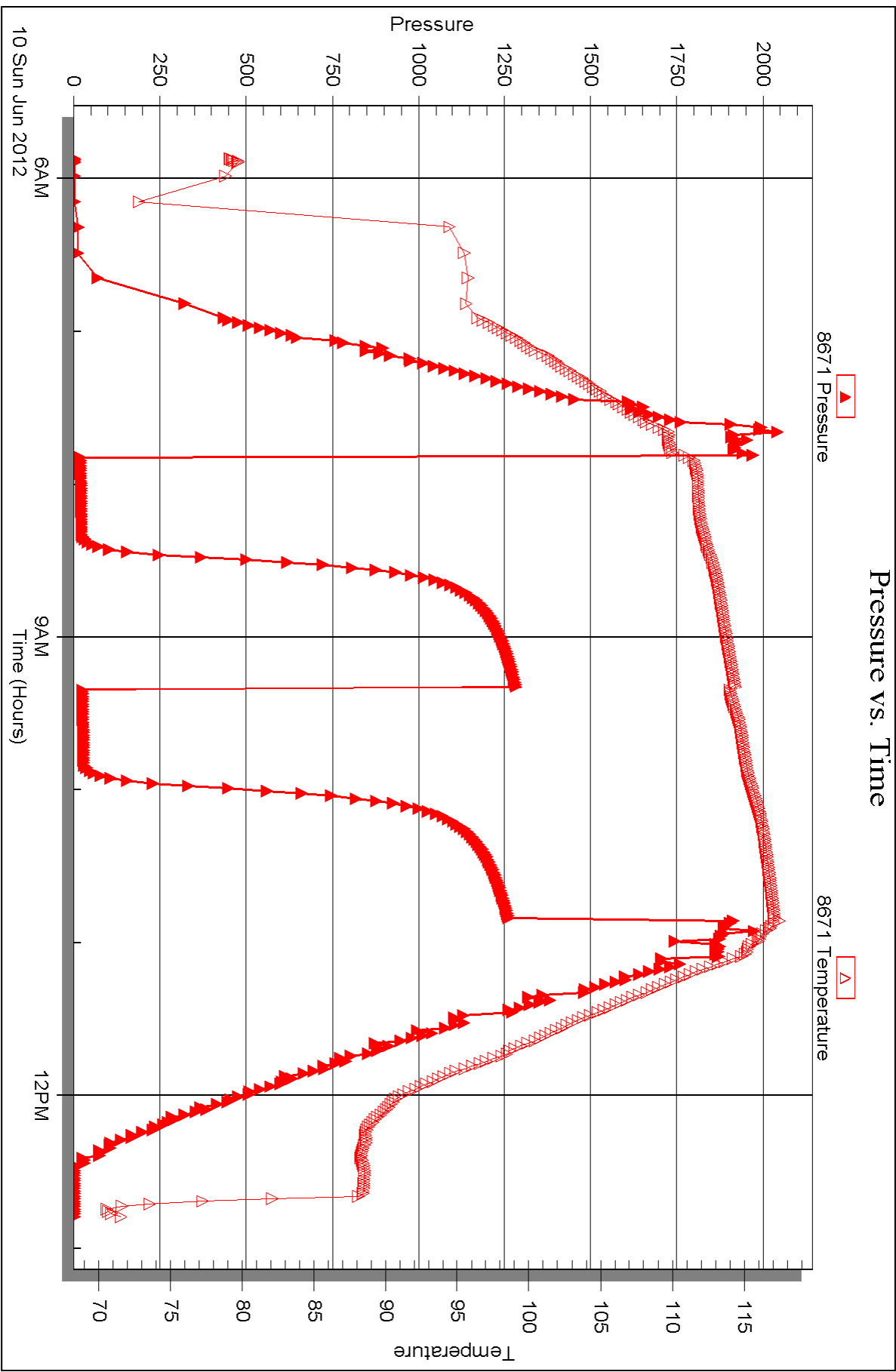


Serial #: 8671

Outside Murfin Drilling Co., Inc.

Wessel #1-18

DST Test Number: 2





DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Jeff Christian

Wessel #1-18

18-4s-29w Decatur,KS

Start Date: 2012.06.11 @ 02:45:00

End Date: 2012.06.11 @ 10:16:00

Job Ticket #: 48107 DST #: 3

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

Printed: 2012.06.13 @ 15:00:14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Jeff Christian

18-4s-29w Decatur, KS

Wessel #1-18

Job Ticket: 48107

DST#: 3

Test Start: 2012.06.11 @ 02:45:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:00:30
 Time Test Ended: 10:16:00
 Interval: **3973.00 ft (KB) To 4064.00 ft (KB) (TVD)**
 Total Depth: 4064.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2758.00 ft (KB)
 2753.00 ft (CF)
 KB to GR/CF: 5.00 ft

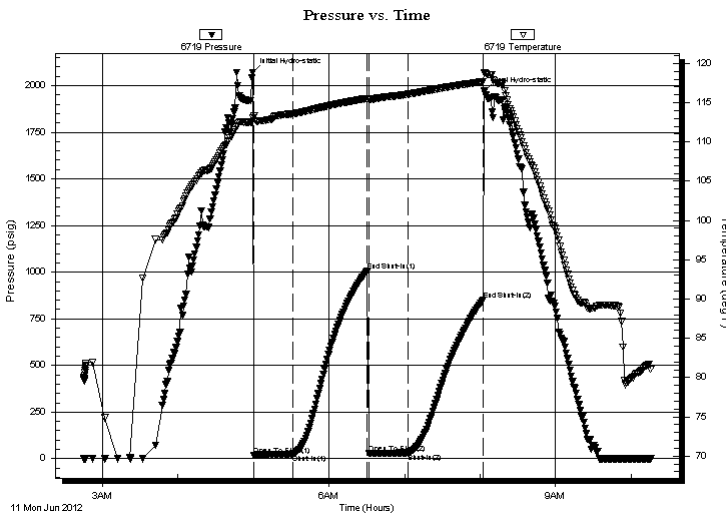
Serial #: 6719

Inside

Press @ Run Depth: 30.74 psig @ 3974.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.11 End Date: 2012.06.11 Last Calib.: 2012.06.11
 Start Time: 02:45:05 End Time: 10:15:59 Time On Btm: 2012.06.11 @ 04:59:30
 Time Off Btm: 2012.06.11 @ 08:03:30

TEST COMMENT: 30 - IF: Blow built to 1 1/2"
 60 - IS: Bled off, No blow back
 30 - FF: No blow
 60 - FS: Bled off, No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2071.10	113.08	Initial Hydro-static
1	18.64	113.26	Open To Flow (1)
32	25.06	113.57	Shut-In(1)
91	1008.02	115.54	End Shut-In(1)
92	28.04	115.36	Open To Flow (2)
124	30.74	116.08	Shut-In(2)
183	851.40	117.68	End Shut-In(2)
184	1970.62	118.85	Final Hydro-static

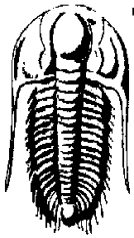
Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w /Oil spots 97%m, 3%o	0.15

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

18-4s-29w Decatur, KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48107

DST#: 3

ATTN: Jeff Christian

Test Start: 2012.06.11 @ 02:45:00

GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:00:30

Time Test Ended: 10:16:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 3973.00 ft (KB) To 4064.00 ft (KB) (TVD)

Reference Elevations: 2758.00 ft (KB)

Total Depth: 4064.00 ft (KB) (TVD)

2753.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671 Outside

Press @ Run Depth: psig @ 3974.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.11

End Date:

2012.06.11

Last Calib.:

2012.06.11

Start Time: 02:45:05

End Time:

10:13:29

Time On Btm:

Time Off Btm:

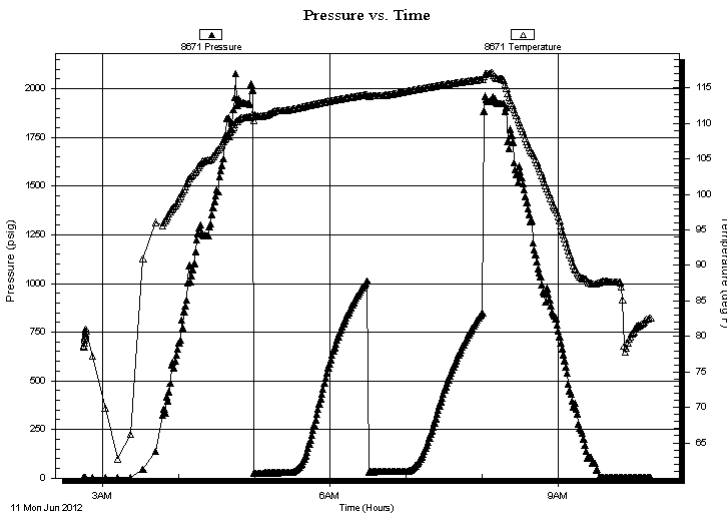
TEST COMMENT: 30 - IF: Blow built to 1 1/2"

60 - IS: Bled off, No blow back

30 - FF: No blow

60 - FS: Bled off, No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w /Oil spots 97% _m , 3% _o	0.15

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.

18-4s-29w Decatur,KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48107

DST#: 3

ATTN: Jeff Christian

Test Start: 2012.06.11 @ 02:45:00

Tool Information

Drill Pipe:	Length: 3791.00 ft	Diameter: 3.80 inches	Volume: 53.18 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 54.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3973.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool slid 5' to bottom before open - No mud loss

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3950.00	
Hydraulic tool	5.00			3955.00	
Jars	5.00			3960.00	
Safety Joint	3.00			3963.00	
Packer	5.00			3968.00	28.00 Bottom Of Top Packer
Packer	5.00			3973.00	
Stubb	1.00			3974.00	
Recorder	0.00	6719	Inside	3974.00	
Recorder	0.00	8671	Outside	3974.00	
Perforations	20.00			3994.00	
Blank Spacing	66.00			4060.00	
Perforations	1.00			4061.00	
Bullnose	3.00			4064.00	91.00 Bottom Packers & Anchor

Total Tool Length: 119.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

18-4s-29w Decatur,KS

250 N. Water Suite 300
Wichita, KS 67202

Wessel #1-18

Job Ticket: 48107

DST#: 3

ATTN: Jeff Christian

Test Start: 2012.06.11 @ 02:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud w /Oil spots 97% _m , 3% _o	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6719

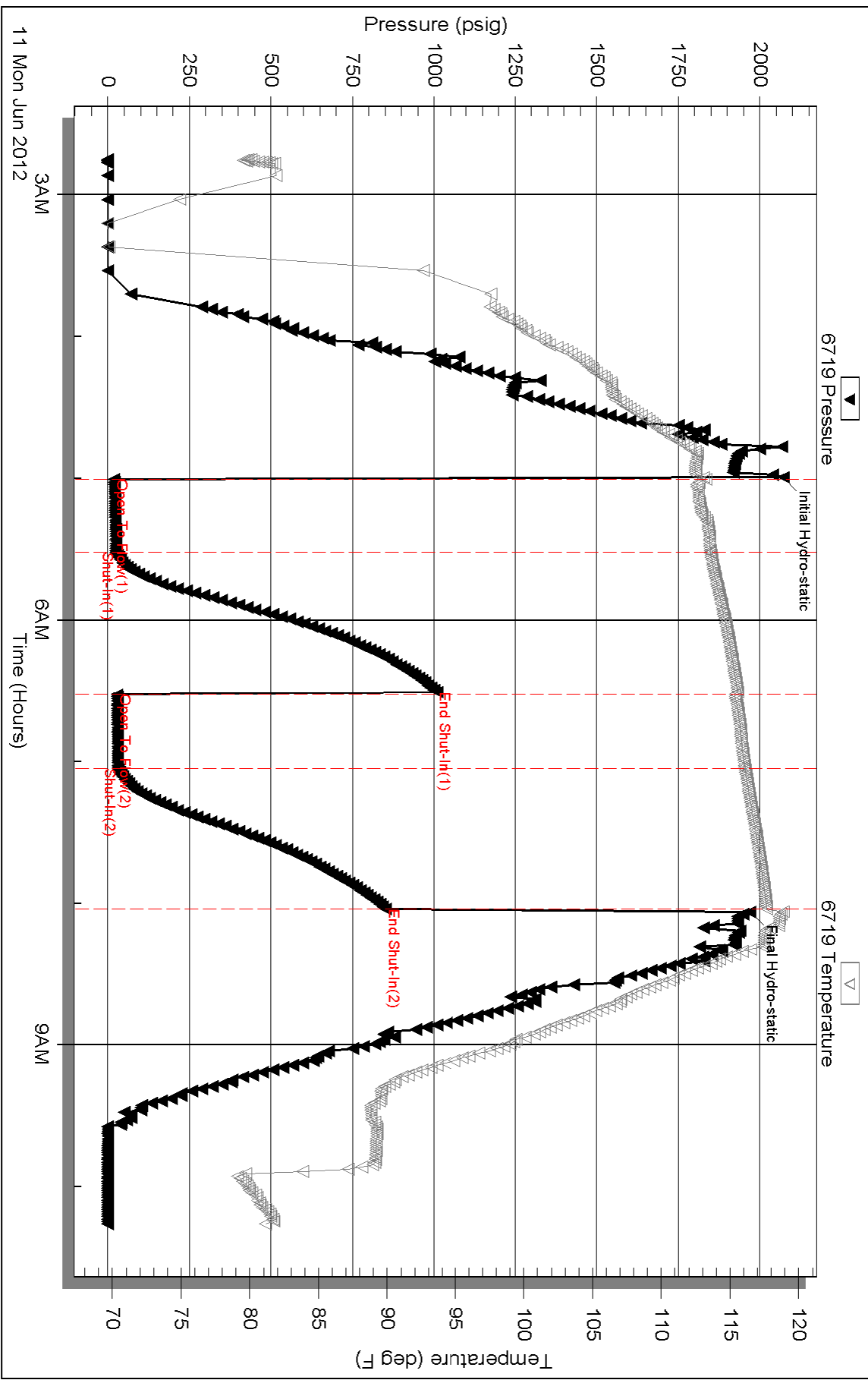
Inside

Murfin Drilling Co., Inc.

Wessel #1-18

DST Test Number: 3

Pressure vs. Time

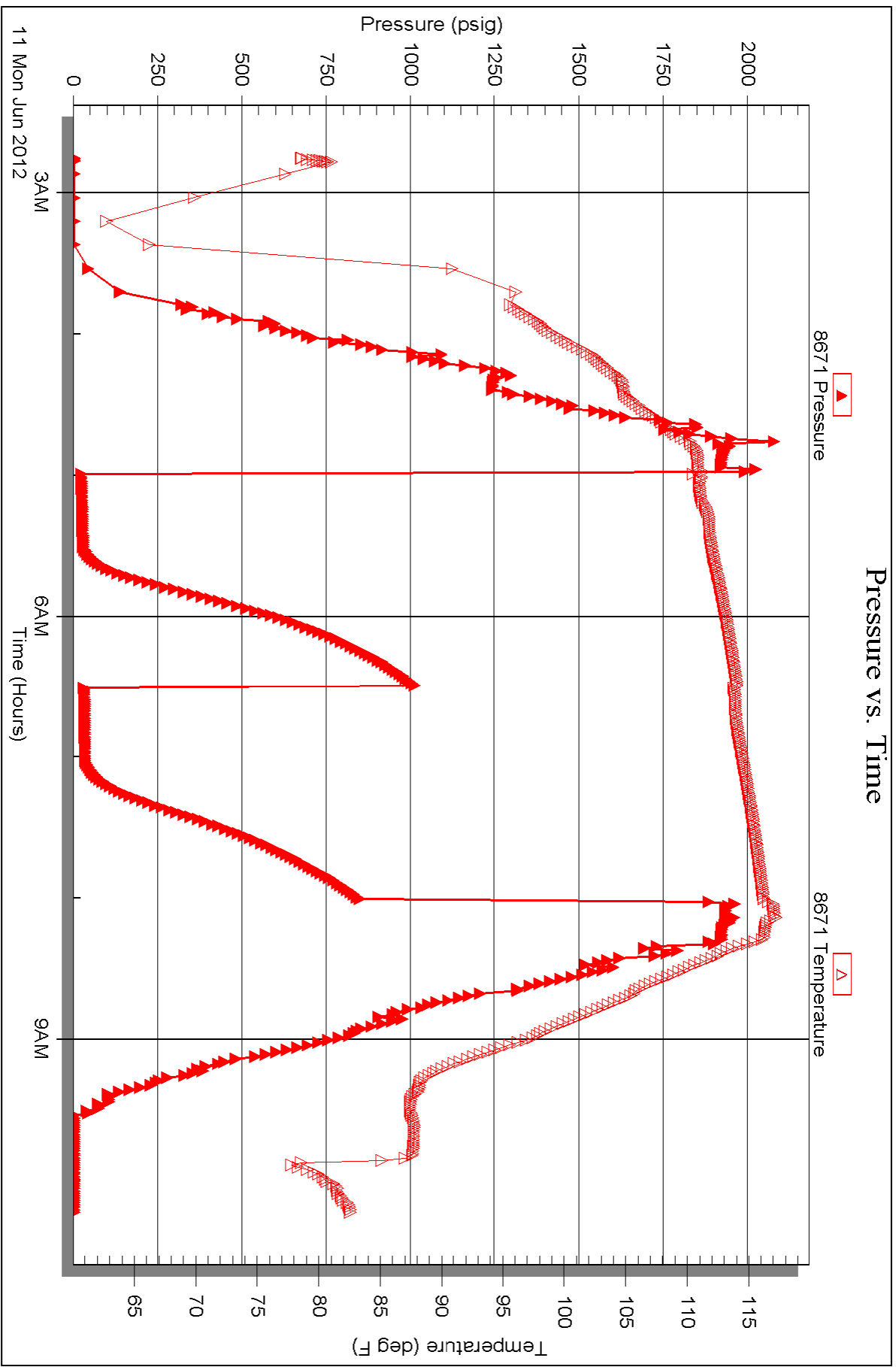


Serial #: 8671

Outside Murfin Drilling Co., Inc.

Messel #1-18

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48105

Well Name & No. Wessel #1-18 Test No. 1 Date 6-9-12
 Company Murfin Drilling Co. Inc. Elevation 2758 KB 2753 GL
 Address 250 N. Water Suite 300 Wichita KS 67202
 Co. Rep / Geo. Jeff Christian Rig Murfin #8
 Location: Sec. 18 Twp. 4s Rge. 29w Co. Decatur State KS

Interval Tested 3868 - 3914 Zone Tested LKC "A-B"
 Anchor Length 46 Drill Pipe Run 3667 Mud Wt. 9.1
 Top Packer Depth 3863 Drill Collars Run 187 Vis 59
 Bottom Packer Depth 3868 Wt. Pipe Run - WL 5.2
 Total Depth 3914 Chlorides 1000 ppm System LCM 7

Blow Description IF: 3" surge blow at open, built to BOB (11") at 8 min.
ISI: Bled off, No blowback
FF: Blow built to BOB at 14 min
FSI: Bled off, weak surface blowback for about 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>280</u>	<u>MCW w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>67</u>	<u>33</u>
<u>445</u>	<u>Water</u>		<u>96</u>	<u>4</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 725 BHT 126 Gravity - API RW .097 @ 86.5 °F Chlorides 64,000 ppm

(A) Initial Hydrostatic 1916
 (B) First Initial Flow 74
 (C) First Final Flow 206
 (D) Initial Shut-In 1307
 (E) Second Initial Flow 208
 (F) Second Final Flow 352
 (G) Final Shut-In 1301
 (H) Final Hydrostatic 1862

- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub XNA
- Hourly Standby
- Mileage 34RT 52.70
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

T-On Location 12:30
 T-Started 12:52
 T-Open 14:40
 T-Pulled 18:28
 T-Out 20:30

Comments Tool chased 5'-6'
to bottom at open -
mud down around 15'

Ruined Shale Packer
 Ruined Packer

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90

Sub Total 0

Total 1527.70

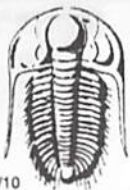
MP/DST Disc't

Sub Total 1527.70

Approved By Jeff Christian

Our Representative James Winder

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 of 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

Test Ticket

NO. 48106

Well Name & No. Wessel #1-18 Test No. 2 Date 6-10-12
 Company Murfin Drilling Co. Inc. Elevation 2758 KB 2753 GL
 Address 250 N. Water Suite 300 Wichita, KS 67202
 Co. Rep / Geo. Jeff Christian Rig Murfin #8
 Location: Sec. 18 Twp. 4S Rge. 29W Co. Decatur State KS

Interval Tested 3930 - 3956 Zone Tested LKC "E-F"
 Anchor Length 26 Drill Pipe Run 3728 Mud Wt. 9.2
 Top Packer Depth 3925 Drill Collars Run 187 Vis 61
 Bottom Packer Depth 3930 Wt. Pipe Run - WL 6.4
 Total Depth 3956 Chlorides 2500 ppm System LCM 7
 Blow Description IF: Blow built to 3/4" in 15 min., died back to 1/2" blow at close
ISI: Bled off, No blowback
FF: No blow
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>-</u>	<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 118 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>1913</u>	<input type="checkbox"/> Test <u>*</u> 1150	T-On Location <u>5:15</u>
(B) First Initial Flow <u>15</u>	<input type="checkbox"/> Jars <u>*</u> 250	T-Started <u>5:52</u>
(C) First Final Flow <u>19</u>	<input type="checkbox"/> Safety Joint <u>*</u> 75	T-Open <u>7:50</u>
(D) Initial Shut-In <u>1281</u>	<input checked="" type="checkbox"/> Circ Sub <u>*NA</u>	T-Pulled <u>10:52</u>
(E) Second Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>12:45</u>
(F) Second Final Flow <u>25</u>	<input type="checkbox"/> Mileage <u>34RT</u> 52.70	Comments
(G) Final Shut-In <u>1260</u>	<input checked="" type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1907</u>	<input checked="" type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input checked="" type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Day Standby	Total <u>1527.70</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1527.70</u>	

Approved By [Signature] Our Representative James Winder
 Trilobite Testing Inc. shall not be liable for damages 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 of 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

Test Ticket

NO. 48107

Well Name & No. Wessel #1-18 Test No. 3 Date 6-11-12
 Company Murfin Drilling Co. Inc Elevation 2758 KB 2753 GL
 Address 250 N. Water Suite 300 Wichita, KS 67202
 Co. Rep / Geo. Jeff Christian Rig Murfin #8
 Location: Sec. 18 Twp. 4S Rge. 29W Co. Decatur State KS

Interval Tested 3973 - 4064 Zone Tested LKC "H - K"
 Anchor Length 91 Drill Pipe Run 3791 Mud Wt. 9.0
 Top Packer Depth 3968 Drill Collars Run 187 Vis 52
 Bottom Packer Depth 3973 Wt. Pipe Run - WL 6.0
 Total Depth 4064 Chlorides 3000 ppm System LCM 5
 Blow Description IF: Blow built to 1 1/2"
ISI: Bled off, No blowback
FF: No Blow
FSI: No Blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud w/oil spots</u>	<u>-</u>	<u>3</u>	<u>-</u>	<u>97</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 118 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2071</u>	<input type="checkbox"/> Test <u>*</u> 1250	T-On Location <u>2:20</u>
(B) First Initial Flow <u>19</u>	<input type="checkbox"/> Jars <u>*</u> 250	T-Started <u>2:45</u>
(C) First Final Flow <u>25</u>	<input type="checkbox"/> Safety Joint <u>*</u> 75	T-Open <u>5:00</u>
(D) Initial Shut-In <u>1008</u>	<input checked="" type="checkbox"/> Circ Sub <u>*NA</u>	T-Pulled <u>8:02</u>
(E) Second Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Hourly Standby	T-Out <u>10:05</u>
(F) Second Final Flow <u>31</u>	<input type="checkbox"/> Mileage <u>34 RTX2</u> 105.40	Comments <u>Tool slid 5' to</u>
(G) Final Shut-In <u>851</u>	<input checked="" type="checkbox"/> Sampler	<u>bottom before open-</u>
(H) Final Hydrostatic <u>1971</u>	<input checked="" type="checkbox"/> Straddle	<u>No mud loss</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer	<input checked="" type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input checked="" type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder	<input checked="" type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>Called to load tools @ 15:00 6/12</u>	Sub Total <u>800</u>
	<input checked="" type="checkbox"/> Accessibility	Total <u>2480.40</u>
	Sub Total <u>1680.40</u>	MP/DST Disc't

Approved By [Signature] Our Representative James Winker
 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.



PO Box 93999
Southlake, TX 76092

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

act
L.H. Prod.
INVOICE

Invoice Number: 131464
Invoice Date: Jun 5, 2012
Page: 1



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	Wessel # 1-18	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 5, 2012	7/5/12

Quantity	Item	Description	Unit Price	Amount
185.00	MAT	Class A Common	16.25	3,006.25
7.00	MAT	Chloride	58.20	407.40
194.25	SER	Handling	2.10	407.93
49.00	SER	Ton miles	21.04	1,031.17
1.00	SER	Surface	1,125.00	1,125.00
49.00	SER	Heavy Vehicle Mileage	7.00	343.00
1.00	SER	Manifold Head Rental	200.00	200.00
49.00	SER	Light Vehicle Mileage	4.00	196.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Dane Retzloff		
1.00	OPER ASSIST	Brandon Wilkinson		

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

\$ 2350.84

ONLY IF PAID ON OR BEFORE
Jun 30, 2012

Subtotal	6,716.75
Sales Tax	249.20
Total Invoice Amount	6,965.95
Payment/Credit Applied	
TOTAL	6,965.95

OK SR

ALLIED OIL & GAS SERVICES, LLC 056275

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Ogkux

DATE <i>6-5-12</i>	SEC <i>18</i>	TWP <i>4s</i>	RANGE <i>29W</i>	CALLED OUT	ON LOCATION	JOB START <i>6:00</i>	JOB FINISH <i>6:30 PM</i>
LEASE <i>Wessel</i>	WELL # <i>1-18</i>	LOCATION <i>Selden 4W 12N 1E</i>			COUNTY <i>Decatur</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one) <input checked="" type="radio"/> NEW		IN & INTO					

CONTRACTOR *Murfin 8*
TYPE OF JOB *Surface*
HOLE SIZE *12 1/4* T.D. *218'*
CASING SIZE *8 3/8* DEPTH *218'*
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. *15'*
PERFS.
DISPLACEMENT *12.93 BBL*

OWNER *Same*
CEMENT
AMOUNT ORDERED *185 SKS COM*
390cc

COMMON	<i>185 SKS</i>	@	<i>16.25</i>	<i>3006.25</i>
POZMIX		@		
GEL		@		
CHLORIDE	<i>7 SKS</i>	@	<i>58.20</i>	<i>407.40</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>194.25</i>	@	<i>2.10</i>	<i>407.92</i>
MILEAGE	<i>2.35</i>	@	<i>70/mile</i>	<i>164.50</i>
				<i>1031.17</i>

EQUIPMENT
PUMP TRUCK CEMENTER *Andrew*
431 HELPER *Dane*
BULK TRUCK
404 DRIVER *Brandon*
BULK TRUCK
DRIVER

REMARKS:

Cement did circulate

thank you

CHARGE TO: *Murfin*
STREET
CITY STATE ZIP

TOTAL

SERVICE

DEPTH OF JOB	<i>218'</i>			
PUMP TRUCK CHARGE				<i>1125.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>49 miles</i>	@	<i>2.00</i>	<i>343.00</i>
MANIFOLD	<i>head</i>	@		<i>200.00</i>
<i>Light vehicle</i>		@	<i>4.00</i>	<i>196.00</i>

TOTAL *1864.00*

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
	@			

TOTAL

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

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Redney Farr*
SIGNATURE *Redney Farr*



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 131515
Invoice Date: Jun 16, 2012
Page: 1

acct. list



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	Wessell 1-18	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jun 16, 2012	7/16/12

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
236.28	MAT	Cubic Feet	2.10	496.19
483.44	MAT	Ton Miles	2.35	1,136.07
1.00	SER	Plug To Abandon	1,250.00	1,250.00
49.00	SER	Heavy Vehicle Mileage	7.00	343.00
49.00	SER	Light Vehicle Mileage	4.00	196.00
1.00	EQP	8 5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	Alan Ryan		
1.00	CEMENTER	Terry Heinrich		
1.00	OPER ASSIST	Brandon Wilkinson		

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

\$ 2353.67

ONLY IF PAID ON OR BEFORE
Jul 11, 2012

Subtotal	6,724.76
Sales Tax	490.91
Total Invoice Amount	7,215.67
Payment/Credit Applied	
TOTAL	7,215.67

OK JR

ALLIED CEMENTING CO., LLC. 035407

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Cadley, Ks

DATE <i>6/13/12</i>	SEC. <i>18</i>	TWP. <i>4S</i>	RANGE <i>29W</i>	CALLED OUT	ON LOCATION	JOB START <i>9:30A</i>	JOB FINISH <i>10:30A</i>
Wessell LEASE	WELL # <i>1-18</i>	LOCATION <i>Oberlin 5 To Rd 10 3 W</i>			COUNTY <i>Decatur</i>	STATE <i>K.S</i>	
OLD OR <u>NEW</u> (Circle one)				<i>IN EINTO</i>			

CONTRACTOR *MurFire 8*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D.

CASING SIZE *8 5/8* DEPTH *218'*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *Same*

CEMENT

AMOUNT ORDERED *220 SKs 60/40 49 bagel*
14 FloSeal

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ruan*

422 HELPER *Terry Heinrich*

BULK TRUCK

347 DRIVER *Brandon Wilkerson*

BULK TRUCK

DRIVER

COMMON	<i>133</i>	@ <i>16.25</i>	<i>2145.00</i>
POZMIX	<i>88</i>	@ <i>8.50</i>	<i>748.00</i>
GEL	<i>8</i>	@ <i>21.25</i>	<i>170.00</i>
CHLORIDE		@	
ASC		@	
<i>FloSeal</i>	<i>55 lb</i>	@ <i>2.20</i>	<i>148.50</i>
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>236.25 CF</i>	@ <i>2.10</i>	<i>496.12</i>
MILEAGE	<i>235 ton/mile 9.86670N</i>		<i>1136.07</i>
TOTAL			<i>4843.76</i>

REMARKS:

25 SKs @ 2650'

100 SKs @ 1830'

40 SKs @ 270'

10 SKs @ 40'

30 SKs Rest Hole

15 SKs mouse Hole

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *1250.00*

EXTRA FOOTAGE

MILEAGE *49* @ *7.00* *343.00*

MANIFOLD

Citevehicle 49 @ *4.00* *196.00*

TOTAL *1789.00*

CHARGE TO: *MurFire Drilling*

STREET

CITY STATE ZIP

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 *Rodney Fair*

SIGNATURE *Rodney Fair*

PLUG & FLOAT EQUIPMENT

8 5/8 wooden Plug @ *92.00*

TOTAL *92.00*

SALES TAX (If Any)

TOTAL CHARGES *6,724.76*

DISCOUNT IF PAID IN 30 DAYS