



KANSAS CORPORATION COMMISSION 1244647
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

Confidentiality Requested:

Yes No

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 Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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: _____



1244647

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	Wilkinson Trust 'KP' 1-2
Doc ID	1244647

All Electric Logs Run

DIL
DUCP
MEL
BHCS



PO Box 93999
Southlake, TX 76092

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

Acct. Prod-m6
INVOICE

Invoice Number: 147048
Invoice Date: Nov 10, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Murfin	64350	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Nov 10, 2014	12/10/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Wilkinson Trust KP #1-2		
240.00	CEMENT MATERIALS	Class A Common	17.90	4,296.00
677.00	CEMENT MATERIALS	Chloride	1.10	744.70
252.00	CEMENT SERVICE	Cubic Feet Charge	2.48	624.96
929.60	CEMENT SERVICE	Ton Mileage Charge	2.75	2,556.40
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
80.00	CEMENT SERVICE	Pump Truck Mileage	7.70	616.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
80.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	352.00
1.00	CEMENT SUPERVISOR	LaRene Wentz		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		
1.00	OPERATOR ASSISTANT	Shawn Tatro		

Subtotal	10,977.31
Sales Tax	398.22
Total Invoice Amount	11,375.53
Payment/Credit Applied	
TOTAL	11,375.53

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

\$ 3,842.05

ONLY IF PAID ON OR BEFORE
Dec 10, 2014

- 3842.05
7533.48

OK JR

ALLIED OIL & GAS SERVICES, LLC 064350

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Dakota, KS

DATE <u>11-10-14</u>	SEC. <u>2</u>	TWP. <u>2</u>	RANGE <u>36</u>	CALLED OUT	ON LOCATION <u>7:30 pm</u>	JOB START <u>8:30 pm</u>	JOB FINISH <u>7:00 pm</u>
WIKKASON LEASE # <u>rest KA</u>		WELL# <u>1-2</u>	LOCATION <u>Beardsley St Rd Y,</u>		COUNTY <u>Rawlins</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>56, Ya.S Emfs</u>				

CONTRACTOR Martin 2
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 3021
 CASING SIZE 8 1/8 DEPTH 3051
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 18.56 bbl

OWNER same
 CEMENT AMOUNT ORDERED 280 sks com 390 cc

EQUIPMENT
 PUMP TRUCK # 423/281 CEMENTER Lakene E. Wolfe
 HELPER Kevin Ryan
 BULK TRUCK # 890/241 DRIVER Chris Madrano (Twr)
 BULK TRUCK # _____ DRIVER Shawn Tatro

COMMON	280 sks @ 17.90	3955.00
POZMIX	290 sks @	4276.00
GEL	@	
CHLORIDE	620 # @ 1.10	682.00
ASC	677 # @	799.90
	@	
	<u>Material Total</u> @	<u>5046.90</u>
	(<u>1764.00 / 35%</u>) @	
	@	
	@	
	@	
	<u>252</u> @	<u>624.96</u>
HANDLING	202.543 @ 2.48	502.30
MILEAGE	<u>10.69 hr X 70 X 2.25</u>	<u>2072.81</u>
	<u>11.62 hr</u>	
		TOTAL <u>2536.40</u>

REMARKS:
Mix 220 sks cement
Displace with water
Cement did circulate
20 sks for pit

Thank you

CHARGE TO: Martin
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB 3051
 PUMP TRUCK CHARGE _____ 1512.25
 EXTRA FOOTAGE @ _____
 MILEAGE MI HW 80 @ 7.90 616.00
 MANIFOLD swage @ _____ 275.00
MI HW 80 @ 4.40 352.00
 @ _____
 (2,072.81 / 35%) **TOTAL** 5,936.61

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
TOTAL _____

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 Arno Colozza
 SIGNATURE Arno Colozza

SALES TAX (If Any) _____
 TOTAL CHARGES 10,977.31
 DISCOUNT 3,842.05 / 35% IF PAID IN 30 DAYS
7,135.25 Net



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



Invoice

DATE	INVOICE #
11/18/2014	26848

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-2	Wilkinson Tr...	Rawlins	Company Tools	Oil	Development	Top To Bottom ...	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
	<i>RP</i>							
575D	Mileage - 1 Way				150	Miles	6.00	900.00
579D	Pump Charge - Top To Bottom LongString - 5000 Feet				1	Job	2,000.00	2,000.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				5	Gallon(s)	42.00	210.00T
403-5	5 1/2" Cement Basket				3	Each	300.00	900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				15	Each	90.00	1,350.00T
413-5	5 1/2" Roto Wall Scratcher				20	Each	40.00	800.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				200	Sacks	14.50	2,900.00T
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	18.50	5,550.00T
276	Flocele				125	Lb(s)	2.50	312.50T
283	Salt				1,000	Lb(s)	0.20	200.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				150	Lb(s)	4.50	675.00T
581D	Service Charge Cement				500	Sacks	2.00	1,000.00
583D	Drayage				3,772.5	Ton Miles	1.00	3,772.50
	Subtotal							22,410.00
	Sales Tax Rawlins County						7.90%	1,164.26
USED FOR <u>10 103</u>								
APPROVED <u>JJ / EHR</u>								
We Appreciate Your Business!							Total	\$23,574.26



CHARGE TO: Marlin Dly Co. Tools
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 26848

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Hays, KS WELLS/PROJECT NO. #1-2 LEASE Wilkinson Trust KR COUNTY/PARISH Rawlins STATE KS DATE 11-18-14 OWNER 50000
 2. Ness City, KS CONTRACTOR Co Tools # RIG NAME NO. ST location ORDER NO.
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Top to Bottom Logging WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					#111	150	ai				8.00	900.00
579					Pump Charge (Top to Bottom)	1	ea	5000	'		2000.00	2000.00
221					KDL	2	gal				25.00	50.00
281					MudPunch	500	gal				1.25	625.00
290					D-Air	5	gal				42.00	210.00
403					Baskets	3	ea		5'-6"		300.00	900.00
406					LD Plug & Bldg	1	ea				275.00	275.00
407					Taser Floats Shoe w/ P 11	1	ea				375.00	375.00
409					Turbolizers	15	ea				90.00	1350.00
413					Rotating Scratchers	20	ea				40.00	800.00
419					Rotating Head Rental	1	ea				200.00	200.00

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED 11-18-14 TIME SIGNED 2010 AM PM

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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	7685.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	14225.00
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					23,574.26

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



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

TICKET CONTINUATION

TICKET No. 20848

CUSTOMER
Murfin Drlg Co Inc

WEL
Wilkinson Truck Pt-2

DATE 11-18-14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WEL		DATE		UNIT PRICE	AMOUNT
		LOG	ACCT	DF			QTY	U/M	QTY	U/M		
325		2				Standard	200	sks			14.50	2900.00
330		2				SMD Cement	300	sks			18.50	5550.00
276		2				Flcele	125	#			2.50	312.50
283		2				Salt	1000	#			2.00	2000.00
284		2				Calcedol	9	sks			35.00	315.00
285		2				CFR-1	150	#			4.50	675.00
581		2				SERVICE CHARGE					2.00	1000.00
583		2				MILEAGE CHARGE					1.00	5772.50
							500	sks				
							150	miles				
							3772.5	TON MILES				

CONTINUATION TOTAL 14725.00

JOB LOG

SWIFT Services, Inc.

DATE 11-18-14 PAGE NO. 1

CUSTOMER Martin Drly Co Inc.

WELL NO. #1-2

LEASE Wilkinson Trust K.P. JOB TYPE Top to Bottom

TICKET NO. 26848

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1215							oaloc w/FE.
								RTD 5000'
								5 1/2" x 15.5 # x 4995' x 23'
								Turbo 1-8, 10, 12, 14, 16, 19, 43, 66
								Bank 20, 44, 67
								20 scratchers
	1510							start FE
	1630							1/2 way circ
	1730							Bottom circ
	1830	5	0			200		start 500gal Mud flush
		5	12/0			200		start 20 bbl KCL flush
	1835	5	20/0			200		start 20 ²⁵⁵ sks SMD cement
	1903	5	140/0			200		End 20 Start 200 sks EA-2 cement
	1913		48					End 20 Start 200 sks EA-2 cement
								wash P&L
	1930	6	0			200		Drop L D Plug
		5	115			850		start Displacement
	1950		118			500		circ cement
						1500		Land Plug
								Release Pressure
								Float Held
	2000	2	7/4					Plug RHYMH 30/15 sks SMD
								circ 5 sks top it
								Thank you
								Nick, David B., Austin
								Craig, Preston & Tyler

DRILLING REPORT

MDCI Wilkinson Trust 'KP' #1-2 2310' FNL 660'FWL Sec. 2-2S-36W 3328' KB								
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref		
Anhydrite	3205	+123	+11	3206	+122	+10		
B/Anhydrite	3240	+88	+10	3242	+86	+8		
Neva	3707	-379	+9	3708	-380	+8		
Topeka	4036	-708	+6	4034	-706	+8		
Lansing	4260	-932	+8	4260	-932	+8		
Stark	4476	-1148	+8	4477	-1149	+7		
BKC	4526	-1198	+8	4527	-1199	+7		
Pawnee	4650	-1322	+6	4649	-1321	+7		
Cherokee	4735	-1407	----	4731	-1403	----		
Mississippi	4934	-1606		4927	-1599	----		
RTD	5000							
LTD				5003				



DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

2-2s-36w Rawlins,KS

Wilkinson Trust "KP" #1-2

Start Date: 2014.11.13 @ 19:32:00

End Date: 2014.11.14 @ 02:56:30

Job Ticket #: 60865 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.18 @ 10:08:27

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

2-2s-36w Rawlins,KS

DST # 1

Stoller

2014.11.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling CO., Inc

250 N Water STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

Wilkinson Trust "KP" #1-2

2-2s-36w Rawlins,KS

Job Ticket: 60865

DST#: 1

Test Start: 2014.11.13 @ 19:32:00

GENERAL INFORMATION:

Formation: **Stotler**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:50:00

Time Test Ended: 02:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 48

Interval: 3986.00 ft (KB) To 4043.00 ft (KB) (TVD)

Reference Elevations: 3328.00 ft (KB)

Total Depth: 4043.00 ft (KB) (TVD)

3317.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

Press@RunDepth: 218.80 psig @ 3987.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.13

End Date:

2014.11.14

Last Calib.:

2014.11.14

Start Time: 19:32:01

End Time:

02:56:30

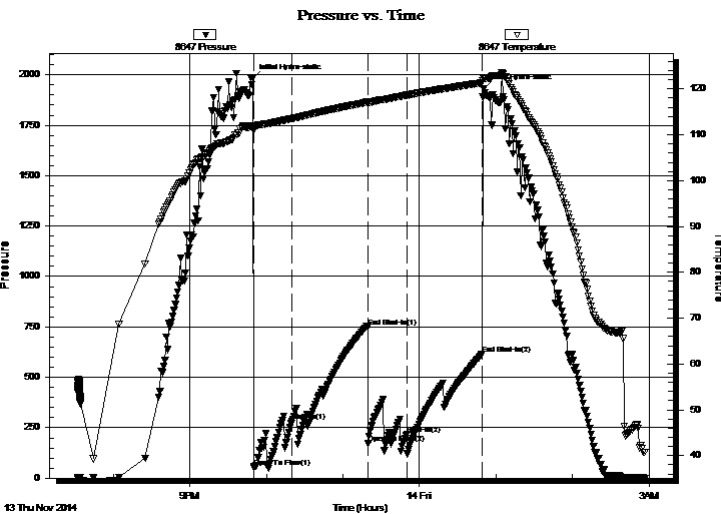
Time On Btm:

2014.11.13 @ 21:49:30

Time Off Btm:

2014.11.14 @ 00:50:30

TEST COMMENT: 30 - IF - Strong surface blow built to 1" in. in 20 min. then stayed there (In Diesel)
60 - ISI - No return
30 - FF - Weak surface blow built to 1/4" in. in 15 min. and stayed there (In Diesel)
60 - FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.09	111.70	Initial Hydro-static
1	53.54	110.93	Open To Flow (1)
31	282.22	113.54	Shut-In(1)
90	751.46	117.13	End Shut-In(1)
91	173.68	116.96	Open To Flow (2)
121	218.80	118.63	Shut-In(2)
180	615.32	121.33	End Shut-In(2)
181	1930.57	122.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

Job Ticket: 60865

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2014.11.13 @ 19:32:00

Tool Information

Drill Pipe:	Length: 3784.00 ft	Diameter: 3.80 inches	Volume: 53.08 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: 205.92 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.09 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	31.92 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3986.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	85.00 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			3959.00	
Shut In Tool	5.00			3964.00	
Hydraulic tool	5.00		Inside	3969.00	
Jars	5.00			3974.00	
Safety Joint	3.00			3977.00	
Packer	5.00			3982.00	28.00 Bottom Of Top Packer
Packer	4.00			3986.00	
Stubb	1.00			3987.00	
Recorder	0.00	8647	Inside	3987.00	
Recorder	0.00	8372	Outside	3987.00	
Perforations	20.00			4007.00	
Change Over Sub	1.00			4008.00	
Drill Pipe	31.00			4039.00	
Change Over Sub	1.00			4040.00	
Bullnose	3.00			4043.00	57.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

Job Ticket: 60865

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2014.11.13 @ 19:32:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

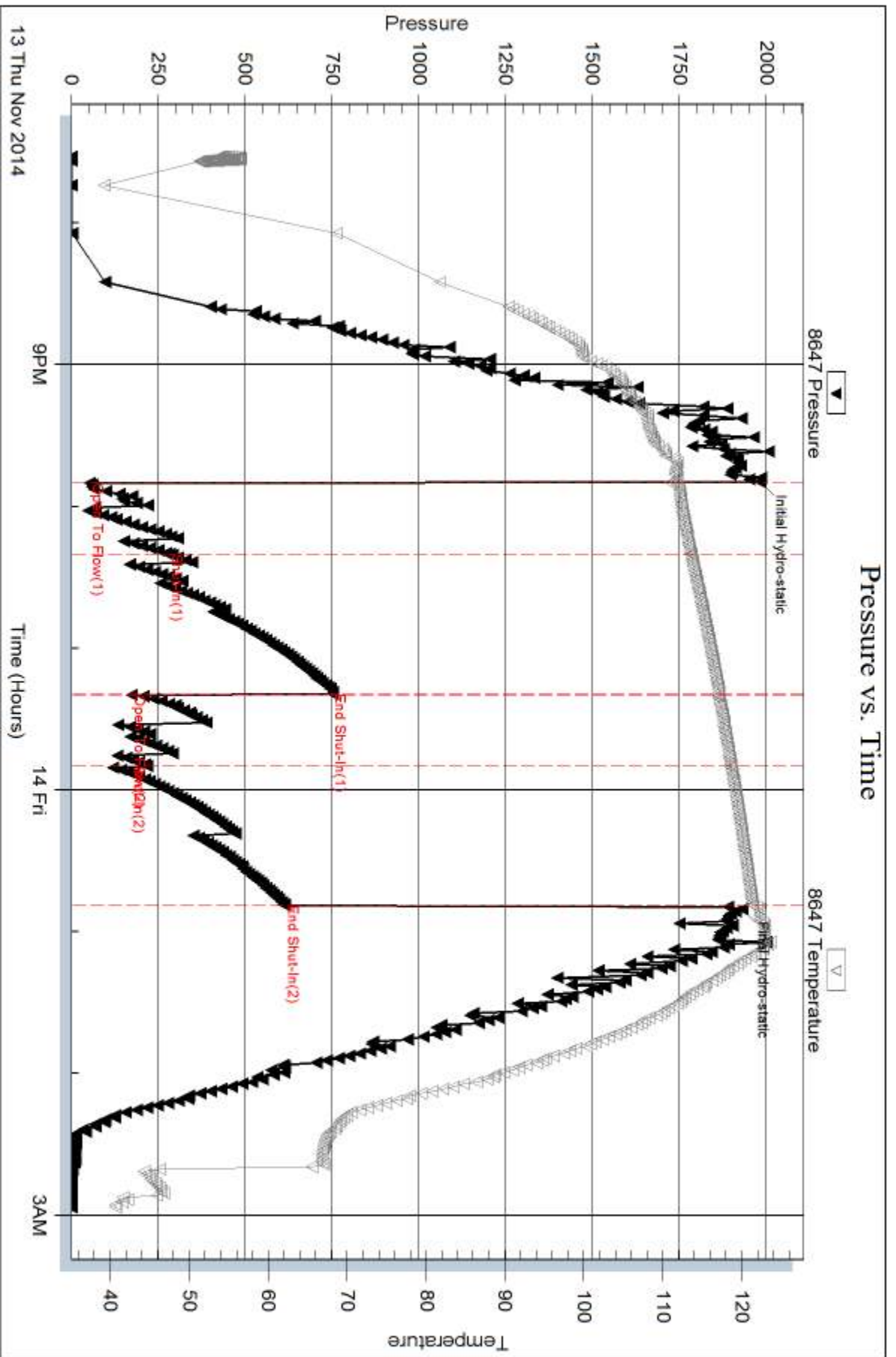
Num Gas Bombs: 0

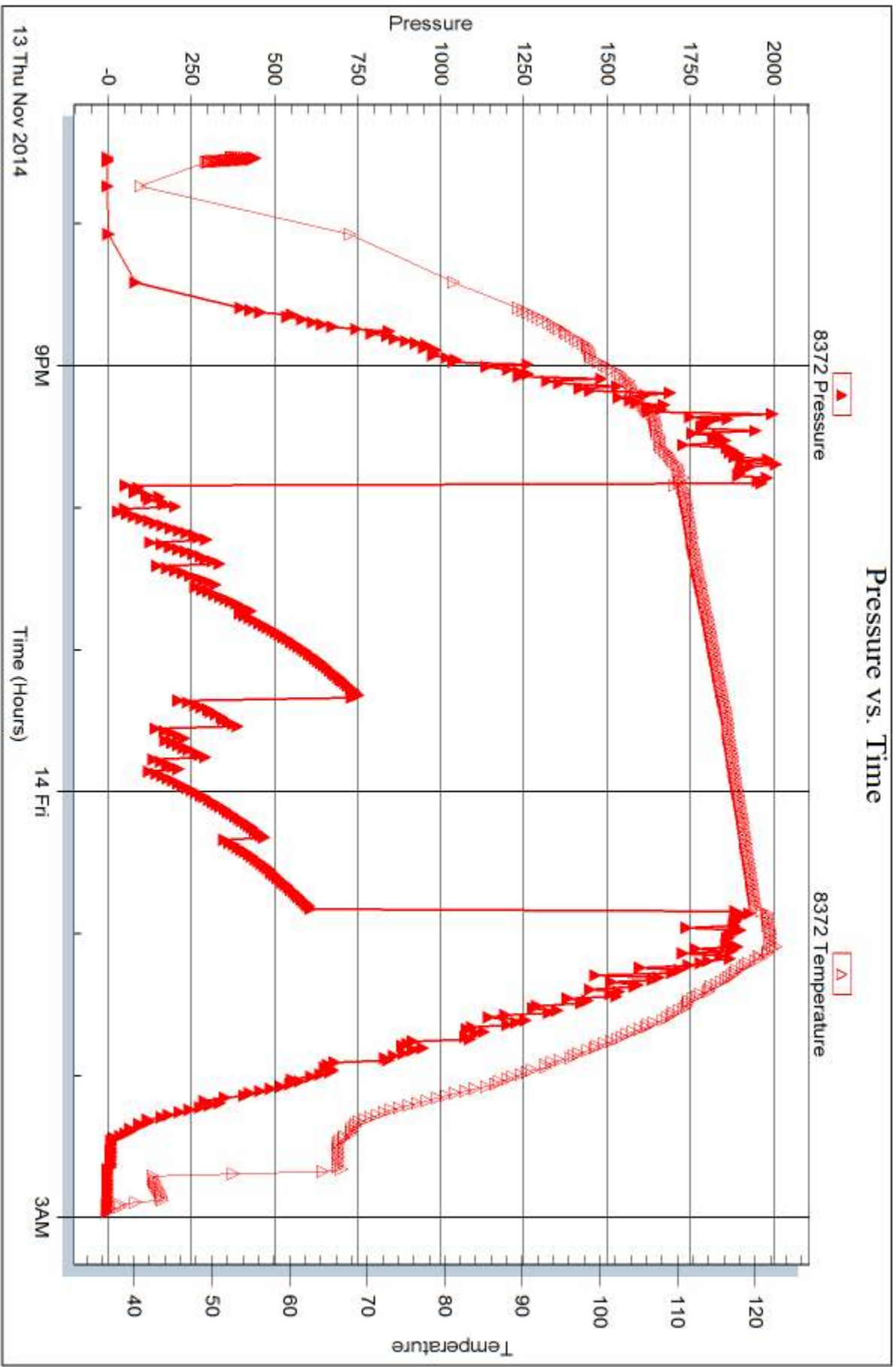
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

2-2s-36w Rawlins,KS

Wilkinson Trust "KP" #1-2

Start Date: 2014.11.15 @ 01:39:01

End Date: 2014.11.15 @ 10:40:00

Job Ticket #: 60866 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.18 @ 10:07:56

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

2-2s-36w Rawlins,KS

DST # 2

LKC "B-D"

2014.11.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling CO., Inc

250 N Water STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

Wilkinson Trust "KP" #1-2

2-2s-36w Rawlins,KS

Job Ticket: 60866

DST#: 2

Test Start: 2014.11.15 @ 01:39:01

GENERAL INFORMATION:

Formation: **LKC "B-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:51:00

Time Test Ended: 10:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 48

Interval: 4276.00 ft (KB) To 4334.00 ft (KB) (TVD)

Reference Elevations: 3328.00 ft (KB)

Total Depth: 4334.00 ft (KB) (TVD)

3317.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

Press@RunDepth: 919.18 psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.15

End Date: 2014.11.15

Last Calib.: 2014.11.15

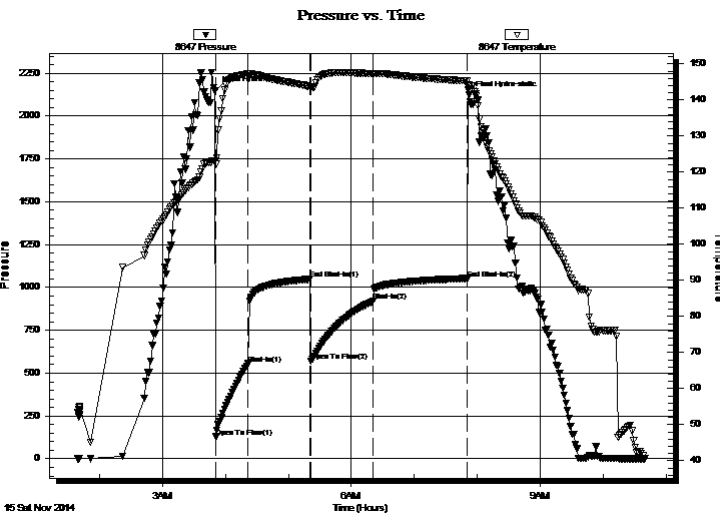
Start Time: 01:39:01

End Time: 10:40:00

Time On Btm: 2014.11.15 @ 03:50:30

Time Off Btm: 2014.11.15 @ 07:52:00

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 4 min. (In Deisel)
60 - ISI - No return
60 - FF - Strong surface blow built to BOB in 4 min. (In Deisel)
90 - FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2147.98	123.26	Initial Hydro-static
1	128.11	122.21	Open To Flow (1)
31	555.44	147.20	Shut-In(1)
90	1048.44	143.69	End Shut-In(1)
91	569.08	143.40	Open To Flow (2)
150	919.18	147.39	Shut-In(2)
240	1052.45	145.27	End Shut-In(2)
242	2122.23	144.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1118.00	MCW - 5M - 95W	13.81
252.00	MCW - 20M - 80W	3.53
378.00	MCW - 35M - 65W - Oil spots	5.30
255.00	WCWO - 20W - 30M - 50o	3.58

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

ATTN: Saman Sharifaie

Job Ticket: 60866

DST#: 2

Test Start: 2014.11.15 @ 01:39:01

GENERAL INFORMATION:

Formation: **LKC "B-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:51:00

Time Test Ended: 10:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 48

Interval: 4276.00 ft (KB) To 4334.00 ft (KB) (TVD)

Reference Elevations: 3328.00 ft (KB)

Total Depth: 4334.00 ft (KB) (TVD)

3317.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8372 Outside

Press@RunDepth: psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.15 End Date: 2014.11.15

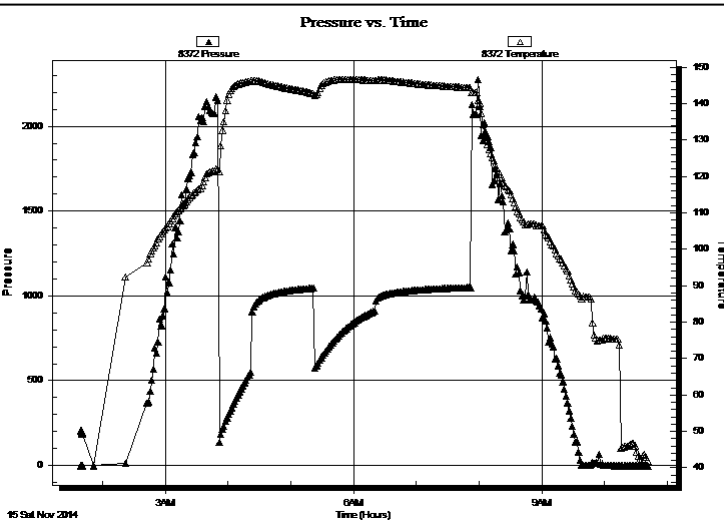
Last Calib.: 1899.12.30

Start Time: 01:39:01 End Time: 10:42:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 4 min. (In Deisel)
60 - ISI - No return
60 - FF - Strong surface blow built to BOB in 4 min. (In Deisel)
90 - FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1118.00	MCW - 5M - 95W	13.81
252.00	MCW - 20M - 80W	3.53
378.00	MCW - 35M - 65W - Oil spots	5.30
255.00	WCWO - 20W - 30M - 50o	3.58

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

Job Ticket: 60866

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2014.11.15 @ 01:39:01

Tool Information

Drill Pipe:	Length: 4066.00 ft	Diameter: 3.80 inches	Volume: 57.04 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: 205.92 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 58.05 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	23.92 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4276.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4249.00	
Shut In Tool	5.00			4254.00	
Hydraulic tool	5.00		Inside	4259.00	
Jars	5.00			4264.00	
Safety Joint	3.00			4267.00	
Packer	5.00			4272.00	28.00 Bottom Of Top Packer
Packer	4.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8647	Inside	4277.00	
Recorder	0.00	8372	Outside	4277.00	
Perforations	21.00			4298.00	
Change Over Sub	1.00			4299.00	
Drill Pipe	31.00			4330.00	
Change Over Sub	1.00			4331.00	
Bullnose	3.00			4334.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

Job Ticket: 60866

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2014.11.15 @ 01:39:01

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: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1118.00	MCW - 5M - 95W	13.807
252.00	MCW - 20M - 80W	3.535
378.00	MCW - 35M - 65W - Oil spots	5.302
255.00	WCMO - 20W - 30M - 50o	3.577

Total Length: 2003.00 ft

Total Volume: 26.221 bbl

Num Fluid Samples: 0

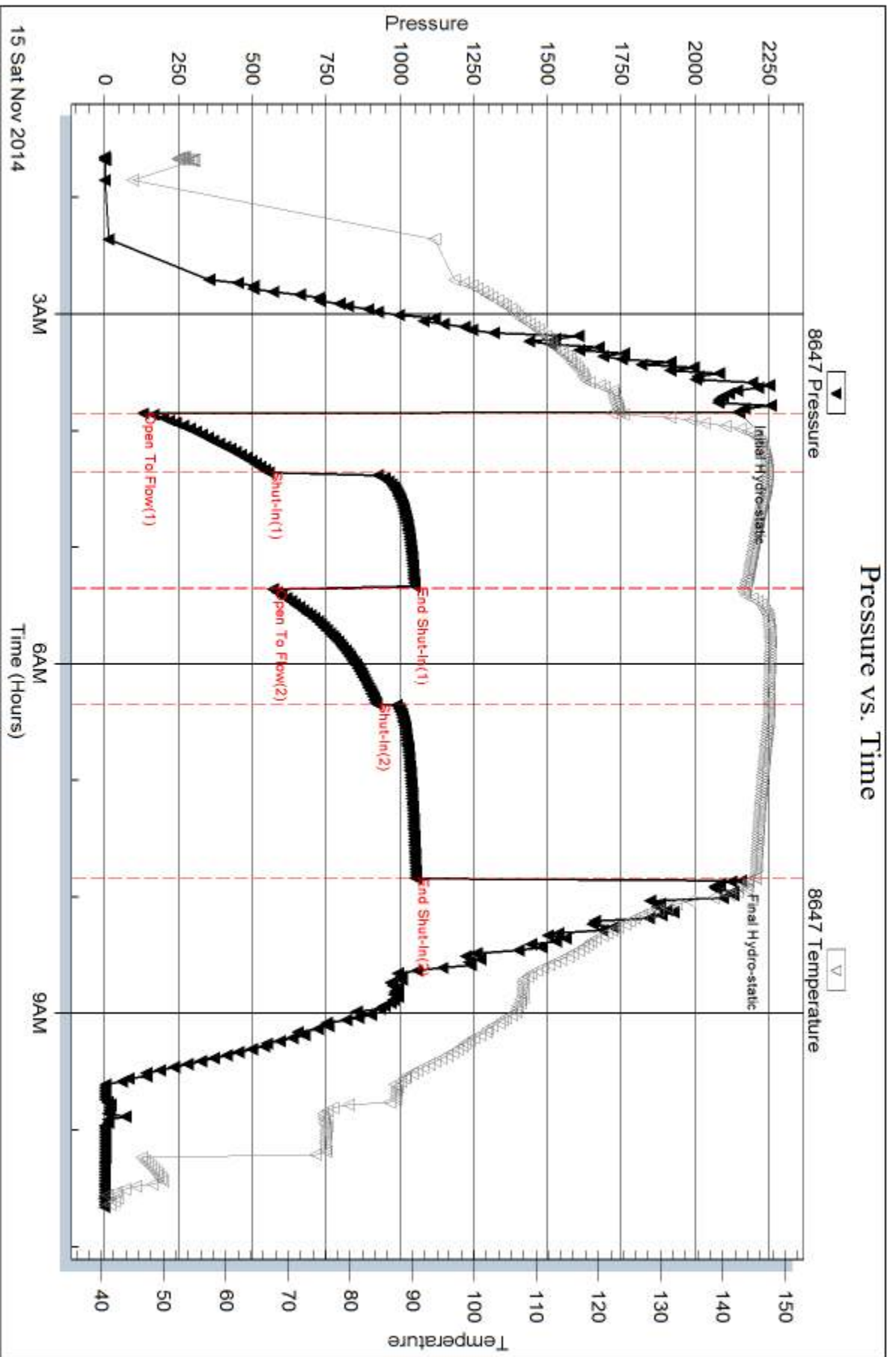
Num Gas Bombs: 0

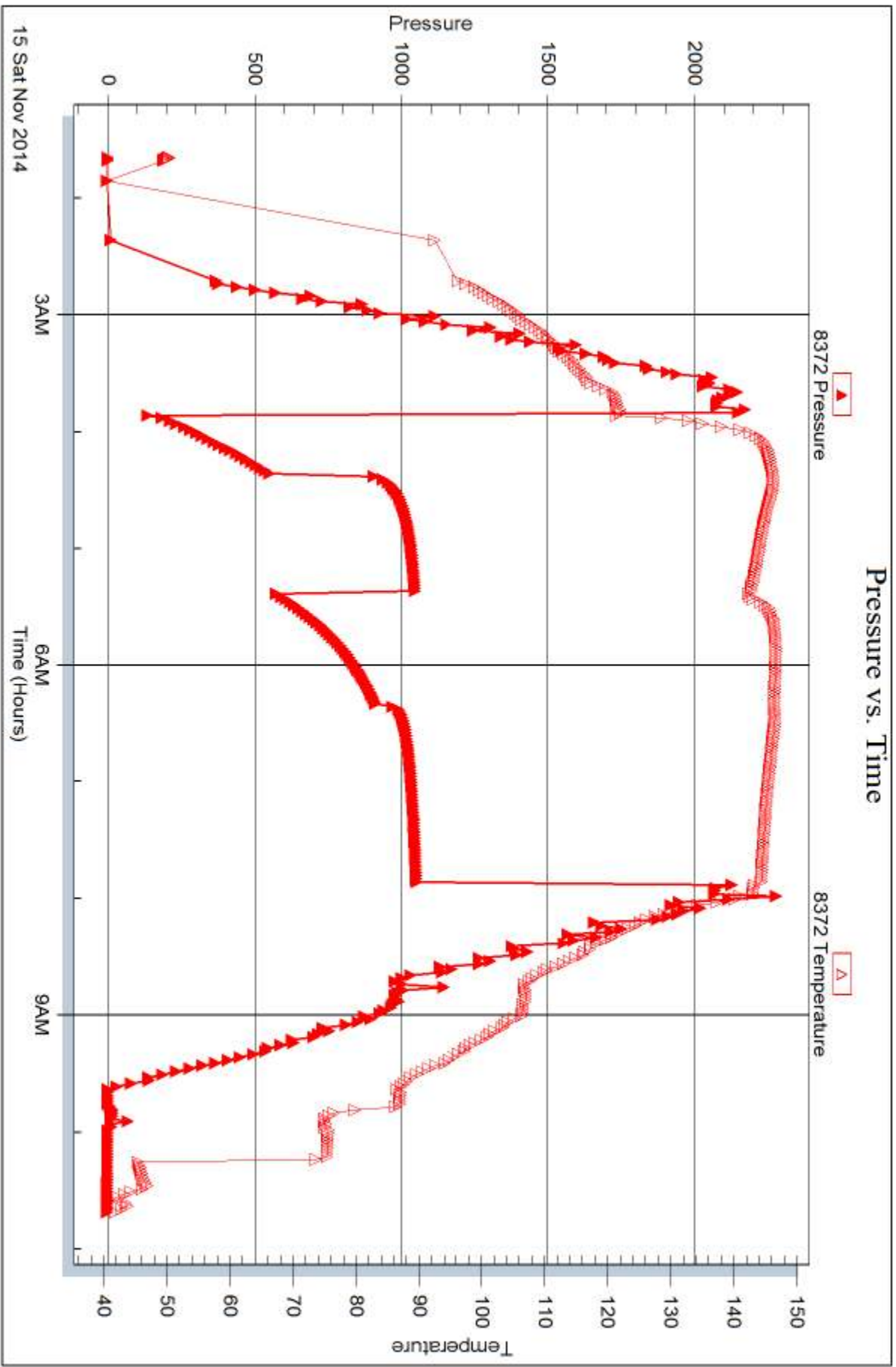
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

2-2s-36w Rawlins,KS

Wilkinson Trust "KP" #1-2

Start Date: 2014.11.16 @ 01:56:00

End Date: 2014.11.16 @ 10:48:30

Job Ticket #: 60867 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.11.18 @ 10:05:56



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling CO., Inc

250 N Water STE 300
Wichita, KS 67202

ATTN: Saman Sharifaie

Wilkinson Trust "KP" #1-2

2-2s-36w Rawlins,KS

Job Ticket: 60867

DST#: 3

Test Start: 2014.11.16 @ 01:56:00

GENERAL INFORMATION:

Formation: **LKC "H - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:14:00

Time Test Ended: 10:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 48

Interval: 4382.00 ft (KB) To 4482.00 ft (KB) (TVD)

Total Depth: 4482.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3328.00 ft (KB)

3317.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8647

Inside

Press@RunDepth: 155.84 psig @ 4383.00 ft (KB)

Start Date: 2014.11.16

End Date: 2014.11.16

Start Time: 01:56:01

End Time: 10:48:30

Capacity: 8000.00 psig

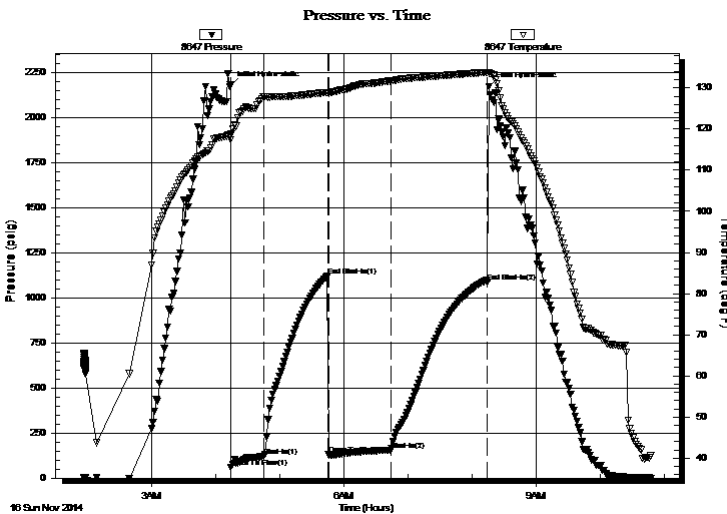
Last Calib.: 2014.11.16

Time On Btm: 2014.11.16 @ 04:13:30

Time Off Btm: 2014.11.16 @ 08:16:00

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 10 min. (In Deisel)
60 - ISI - Weak surface blow built to 1/4" in.
60 - FF - Strong surface blow built to BOB in 16 min
90 - FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.12	118.31	Initial Hydro-static
1	58.05	117.41	Open To Flow (1)
32	120.17	127.76	Shut-In(1)
91	1122.43	128.94	End Shut-In(1)
92	130.27	128.67	Open To Flow (2)
151	155.84	131.73	Shut-In(2)
241	1089.54	133.78	End Shut-In(2)
243	2176.34	133.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	252' Gas in pipe	0.00
236.00	MCO - 5M - 95o	1.43
103.00	GCO - 20G - 80o	1.44

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: Saman Sharifaie

Wilkinson Trust "KP" #1-2

2-2s-36w Rawlins,KS

Job Ticket: 60867

DST#: 3

Test Start: 2014.11.16 @ 01:56:00

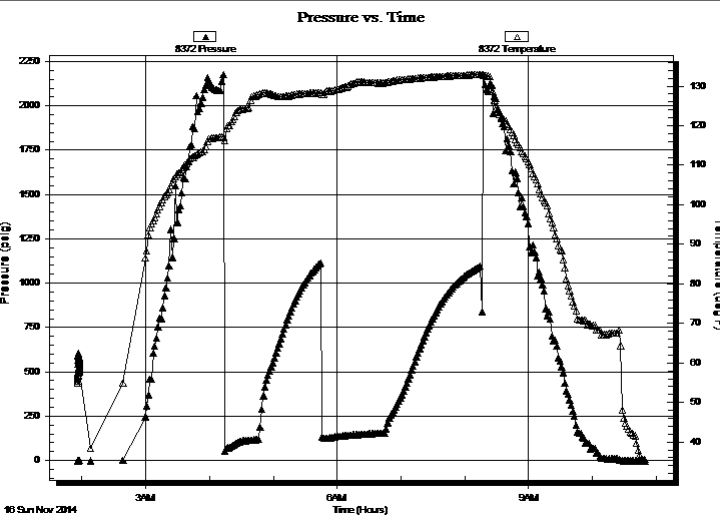
GENERAL INFORMATION:

Formation: LKC "H - J"		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock:	ft (KB)	Tester: Donovan Baumann
Time Tool Opened: 04:14:00		Unit No: 48
Time Test Ended: 10:48:30		
Interval: 4382.00 ft (KB) To 4482.00 ft (KB) (TVD)		Reference Elevations: 3328.00 ft (KB)
Total Depth: 4482.00 ft (KB) (TVD)		3317.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 11.00 ft

Serial #: 8372 Outside

Press@RunDepth:	psig @ 4383.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2014.11.16	End Date:	2014.11.16
Start Time:	01:56:01	End Time:	10:50:00
		Last Calib.:	2014.11.16
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30 - IF - Strong surface blow built to BOB in 10 min. (In Deisel)
 60 - ISI - Weak surface blow built to 1/4" in.
 60 - FF - Strong surface blow built to BOB in 16 min
 90 - FSI - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	252' Gas in pipe	0.00
236.00	MCO - 5M - 95o	1.43
103.00	GCO - 20G - 80o	1.44

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

Job Ticket: 60867

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2014.11.16 @ 01:56:00

Tool Information

Drill Pipe:	Length: 4161.08 ft	Diameter: 3.80 inches	Volume: 58.37 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: 205.92 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.38 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4382.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	128.00 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			4355.00	
Shut In Tool	5.00			4360.00	
Hydraulic tool	5.00		Inside	4365.00	
Jars	5.00			4370.00	
Safety Joint	3.00			4373.00	
Packer	5.00			4378.00	28.00 Bottom Of Top Packer
Packer	4.00			4382.00	
Stubb	1.00			4383.00	
Recorder	0.00	8647	Inside	4383.00	
Recorder	0.00	8372	Outside	4383.00	
Perforations	31.00			4414.00	
Change Over Sub	1.00			4415.00	
Drill Pipe	63.00			4478.00	
Change Over Sub	1.00			4479.00	
Bullnose	3.00			4482.00	100.00 Bottom Packers & Anchor

Total Tool Length: 128.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling CO., Inc

Wilkinson Trust "KP" #1-2

250 N Water STE 300
Wichita, KS 67202

2-2s-36w Rawlins,KS

Job Ticket: 60867

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2014.11.16 @ 01:56:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	252' Gas in pipe	0.000
236.00	MCO - 5M - 95o	1.435
103.00	GCO - 20G - 80o	1.445

Total Length: 339.00 ft Total Volume: 2.880 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

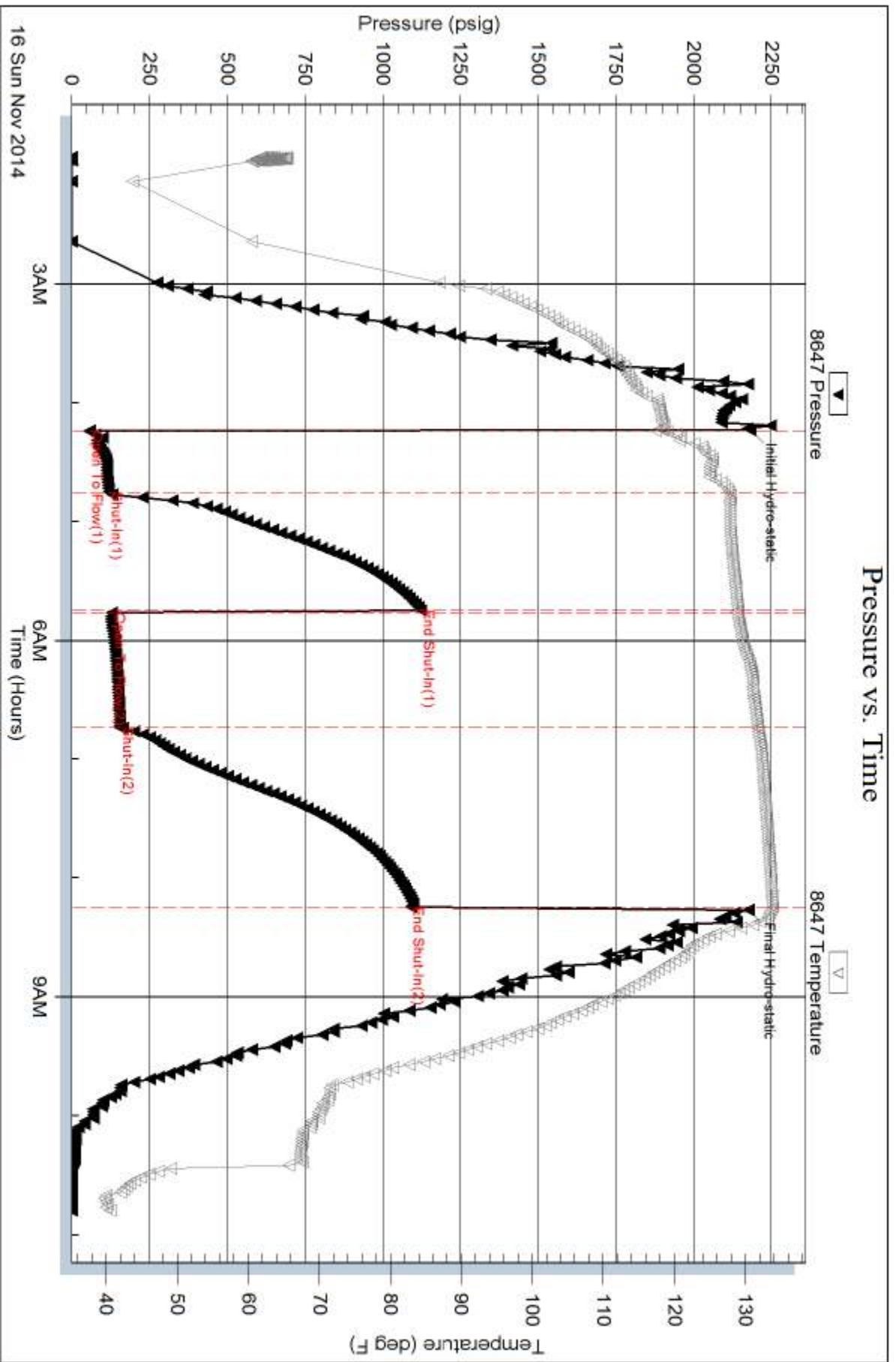
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

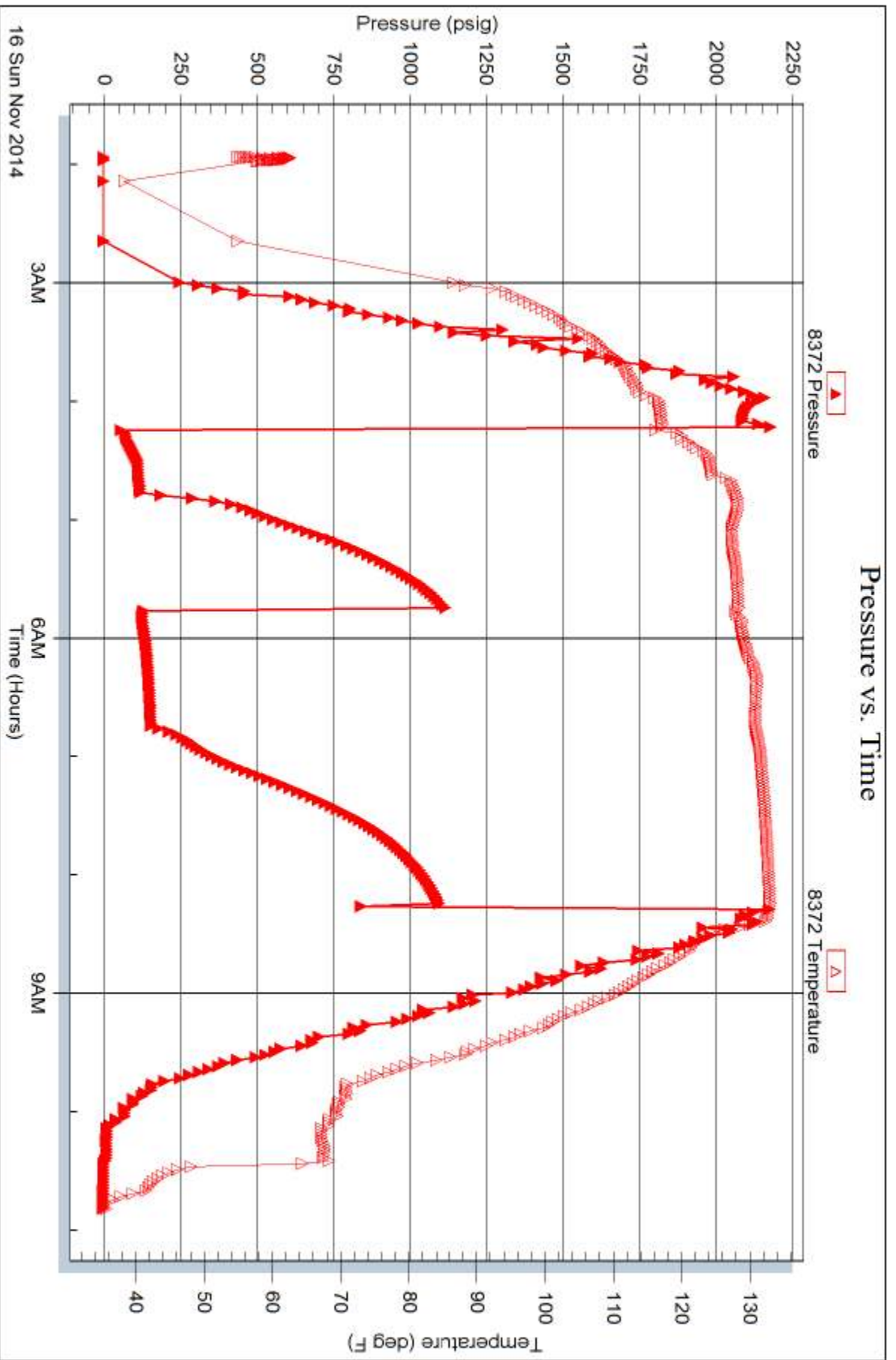


Serial #: 8372

Outside Murfin Drilling CO., Inc

2-2s-36w Rawlins, KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60867

Printed: 2014.11.18 @ 10:05:57



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60865

4/10

Well Name & No. Wilkinson "KP" # 1-2 Test No. 1 Date 11-13-14
 Company Murfin Drilling CO., Inc. Elevation 332.8 KB 3317 GL
 Address 250 N. Water STE 300, Wichita, KS, 67202
 Co. Rep / Geo. Saman Sharifaie Rig Murfin #2
 Location: Sec. 2 Twp. 2S Rge. 36W Co. Rawlins State KS

Interval Tested 3986' - 4043' Zone Tested Stotler
 Anchor Length 57' Drill Pipe Run 3784 Mud Wt. 9.1
 Top Packer Depth 3981' Drill Collars Run 205.92 Vis 57
 Bottom Packer Depth 3986' Wt. Pipe Run 0 WL 7.2
 Total Depth 4043' Chlorides 700 ppm System LCM #3
 Blow Description IF - Strong surface blow built 1 in. in 20 min. then stayed there (in Diesel)
ISI - No return
FP - weak surface blow built to 1/4 in. in 15 min. & stayed there (in Diesel)
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
5	mud			100	

Rec Total 5 BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1983</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>5:30 pm</u>
(B) First Initial Flow <u>54</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:30 pm</u>
(C) First Final Flow <u>282</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:50 pm</u>
(D) Initial Shut-In <u>751</u>	<input checked="" type="checkbox"/> Circ Sub <u>n/c</u>	T-Pulled <u>12:50 am 11-14</u>
(E) Second Initial Flow <u>174</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:58 am 11-14</u>
(F) Second Final Flow <u>219</u>	<input checked="" type="checkbox"/> Mileage <u>118 RT</u> <u>182.90</u>	Comments _____
(G) Final Shut-In <u>615</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1931</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1557.90</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1557.90</u>	

Approved By _____ Our Representative [Signature]
 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **60866**

4/10

Well Name & No. Wilkinson "KP" #1-2 Test No. 2 Date 11-15-14
 Company Murfin Drilling Co., Inc. Elevation 3328 KB 3317 GL
 Address 250 N Water STE 300, Wichita, KS, 67202
 Co. Rep / Geo. Saman Sharifaie Rig Murfin #2
 Location: Sec. 2 Twp. 2S Rge. 36W Co. Rawlins State KS

Interval Tested 4276' - 4334' Zone Tested LKC "B-D"
 Anchor Length 58' Drill Pipe Run 4066 Mud Wt. 9.1
 Top Packer Depth 4271' Drill Collars Run 205.92 Vis 68
 Bottom Packer Depth 4276' Wt. Pipe Run Ø WL 5.6
 Total Depth 4334' Chlorides 600 ppm System LCM #5
 Blow Description IF - Strong surface blow built to BOB in 4 min. (In Deisel)
ISI - No return
FF - Strong surface blow built to BOB in 4 min. (In Deisel)
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>255</u>	<u>WCMO</u>		<u>50</u>	<u>20</u>	<u>30</u>
<u>378</u>	<u>mcw</u>		<u>SPOTS</u>	<u>65</u>	<u>35</u>
<u>252</u>	<u>mcw</u>			<u>80</u>	<u>20</u>
<u>1118</u>	<u>mcw</u>			<u>95</u>	<u>5</u>
<u>2003</u>					

Rec Total 2003 BHT 145 Gravity _____ API RW .530 @ 33 °F Chlorides 34000 ppm

(A) Initial Hydrostatic <u>2148</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:35 am</u>
(B) First Initial Flow <u>128</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:39 am</u>
(C) First Final Flow <u>555</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:51 am</u>
(D) Initial Shut-In <u>1048</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>7:51 am</u>
(E) Second Initial Flow <u>569</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>10:42 am</u>
(F) Second Final Flow <u>919</u>	<input checked="" type="checkbox"/> Mileage <u>118 R/T</u> 182.90	Comments _____
(G) Final Shut-In <u>1052</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2122</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1757.90</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1757.90</u>	

Approved By _____ Our Representative Kenneth Baumann

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60867

Well Name & No. Wilkinson "KP" #1-2 Test No. 3 Date 11-16-14
 Company Murfin Drilling Co., Inc Elevation 3328 KB 3317 GL
 Address 250 N. Water STE 300, Wichita, KS, 67202
 Co. Rep / Geo. Saman Sharifaie Rig Murfin #2
 Location: Sec. 2 Twp. 2S Rge. 36W Co. Rawlins State KS

Interval Tested 4382' - 4482' Zone Tested LKC "H-J"
 Anchor Length 100' Drill Pipe Run 4161 Mud Wt. 9.3
 Top Packer Depth 4377' Drill Collars Run 205.92 Vis 58
 Bottom Packer Depth 4382' Wt. Pipe Run 0 WL 6.4
 Total Depth 4482' Chlorides 600 ppm System LCM #4

Blow Description IF - Strong surface blow built to BOB in 10 min (In Diesel)
ISI - weak surface blow built to 1/4 in.
FF - Strong surface blow built to BOB in 16 min (In Diesel)
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>103</u>	<u>GCO</u>	<u>20</u>	<u>80</u>		
<u>236</u>	<u>MCO</u>		<u>95</u>		<u>5</u>
<u>252</u>	<u>gas in pipe</u>				

Rec Total 339 BHT 134 Gravity 32 @ 40° API RW @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2182 Test 1250 T-On Location 1:06 am
 (B) First Initial Flow 58 Jars 250 T-Started 1:56 am
 (C) First Final Flow 120 Safety Joint 75 T-Open 4:15 am
 (D) Initial Shut-In 1122 Circ Sub N/C T-Pulled 8:15 am
 (E) Second Initial Flow 130 Hourly Standby _____ T-Out 10:50 am
 (F) Second Final Flow 156 Mileage 118 R/T 182.90
 (G) Final Shut-In 1090 Sampler _____ 182.90
 (H) Final Hydrostatic 2176 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____

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

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 800
 Total 2740.80
 MP/DST Disc't _____
 Sub Total 1940.80

Approved By _____ Our Representative Saman Sharifaie

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.

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: **Marlin Drilling Co., Inc.**
LEASE: **Wilkinson Trust 'K' #1-2**

FIELD: **Widewater**
LOCATION: **2310 FNL & 660 FWL**
SEC: **2** TWP: **2S** RGE: **36W**
COUNTY: **Rushville** STATE: **Kansas**
CONTRACTOR: **Martin Drilling #2**
SPUD: **11/01/14** COMP: **11/18/14**
RTD: **5000'** LIT: **5003'**
MUD UP: **3370'** TYPE MUD: **Chemical**

SAMPLES SAVED FROM: **3350'** TO RTD
DRILLING TIME KEPT FROM: **3550'** TO RTD
SAMPLES EXAMINED FROM: **3550'** TO RTD

GEOLOGICAL SUPERVISION FROM: **3050'**
REFERENCE WELL: **Berexco-Kenneth #1-35**

FORMATION: **Flower Hiredline**

ELEVATIONS: **KB 3328'**

DF: _____
GL: **3317'**
Measurements Are All From Kelly Bushing

CASING: **CONDUCTOR**
SURFACE: **8-5/8" at 305'**
PRODUCTION: **5-1/2" at 4995'**

ELECTRICAL SURVEYS: **CND; DIL; MEL; SANC**

FORMATION: **Flower Hiredline**

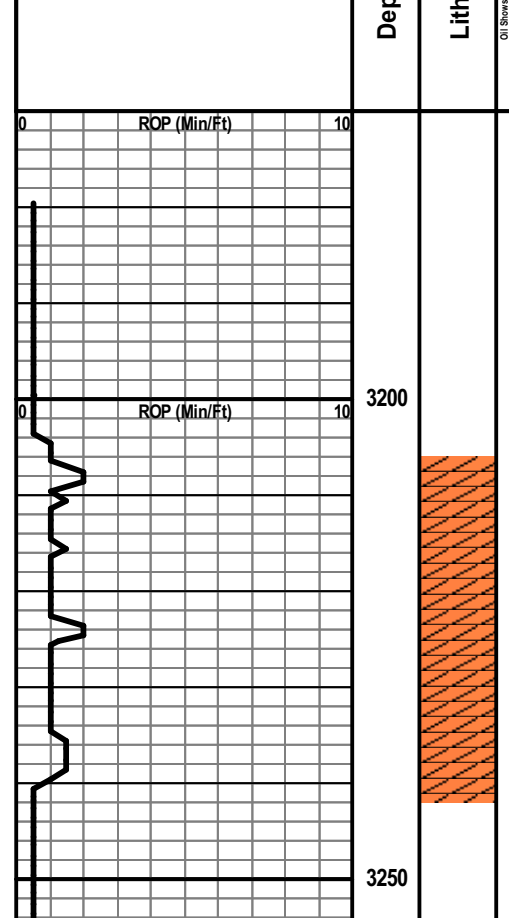
REMARKS: **Due to fair shows of oil in multiple potential pay zones and positive DST results, it is recommended and agreed upon by all parties that production casing be set to further evaluate this well.**

Respectfully Submitted,
Saman Sharifaie
Petroleum Geologist

API #15-153-20989

*Tops have been adjusted to electric logs

Formation	Sample Tops	E-log Tops	Strat. Pos.
Anthracite	3305 (+123)	3306 (+122)	+10
Base Anthracite	3240 (+89)	3242 (+88)	+8
NLSA	3707 (-70)	3708 (-80)	+8
Tunguska	4056 (-708)	4034 (-760)	+8
Leining	4260 (-923)	4260 (-923)	+8
BKC	4326 (-1188)	4327 (-1199)	+8
Pawnee	4650 (-1322)	4649 (-1311)	+7
Cherokee	4733 (-1407)	4731 (-1403)	+7
Mississippian	4934 (-1606)	4937 (-1509)	DNR



Geological Descriptions	Engineering Data
Anhydrite 3206 (+122)	
Base 3242 (+86)	

Geological Descriptions	Engineering Data
DAILY PENETRATION @ 7:00 AM 11/10/14 - Spudded at 3:00 PM 11/11/14 - Drilling at 400' 11/12/14 - Drilling at 3256' 11/13/14 - Drilling at 3877' 11/14/14 - Drilling at 4065' 11/15/14 - Testing at 4334' 11/16/14 - Testing at 4482' 11/17/14 - Drilling at 4735'	Morgan Mud @ 3550' Wt: 8.6 Vis: 99 Wl: 5.2 Chl: 700 LCM: #4 Pipe Strap @ 3550': Even to Board Deviation Survey: 1/2"

Geological Descriptions	Engineering Data
Neva 3708 (-380)	

Geological Descriptions	Engineering Data
Red Eagle 3770 (-442)	

Geological Descriptions	Engineering Data
Foraker 3822 (-494)	

Geological Descriptions	Engineering Data
Stotler 3968 (-640)	DST #1 (Stotler) 3986'-4043' 30-60-30-60 IF: Built to 1" ISI: No return FF: Weak, surf blow FSI: No return Rec: 5' M (100% M) IFF: 54 - 282 FFF: 174 - 219 ISIP: 751 FSP: 615 FHP: 1983 FHP: 1931 BHT: 121°

Geological Descriptions	Engineering Data
Topeka 4034 (-706)	DST #2 (LKC-B-D) 4276'-4334' 30-60-60-90 IF: BOB in 4 mins ISI: 1/4" return FF: BOB in 4 mins FSI: No return Rec: 2003' TF, 255' WCWO (50%O, 20%W, 30%M), 378' MCW w/ oil spots (65%W, 35%M), 252' MCW (80%W, 20%M), 1118' MCW (95%W, 5%M) IFF: 128 - 150 FFF: 569 - 919 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
LeCompton 4102 (-774)	Morgan Mud @ 4130' Wt: 9.1 Vis: 68 Wl: 5.6 Chl: 600 LCM: 5# Deviation Survey @ 4043: 1/2"

Geological Descriptions	Engineering Data
Oread 4168 (-840)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
Lansing 4260 (-932)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
Stark 4477 (-1149)	Morgan Mud @ 4334' Wt: 9.3 Vis: 58 Wl: 6.4 Chl: 600 LCM: 4# Deviation Survey @ 4334: 1/2"

Geological Descriptions	Engineering Data
Mammaton 4570 (-1242)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
Pawnee 4649 (-1321)	Morgan Mud @ 4813' Wt: 9.1 Vis: 69 Wl: 5.6 Chl: 800 LCM: 8#

Geological Descriptions	Engineering Data
Ft Scott 4720 (-1392)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
Cherokee 4731 (-1403)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
Mississippian 4927 (-1599)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Geological Descriptions	Engineering Data
RTD 5000 (-1672)	DST #3 (LKC-H-J) 4382'-4482' 30-60-60-90 IF: BOB in 10 mins ISI: 1/4" return FF: BOB in 16 mins FSI: No return Rec: 339' TF, 252' GIP, 103' GCO (20%G, 80%O), 236' MCO (95%O, 5%M) IFF: 58 - 120 FFF: 130 - 150 ISIP: 1048 FSP: 1052 IHP: 2148 FHP: 2122 BHT: 145° RW: .530 @ 33°F Chl: 34,000 PPM

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

March 12, 2015

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

Re: ACO-1
API 15-153-20989-00-00
Wilkinson Trust 'KP' 1-2
NW/4 Sec.02-02S-36W
Rawlins County, Kansas

Dear Francis Hitschmann:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/10/2014 and the ACO-1 was received on March 11, 2015 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department