

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

RECEIVED

JUL 12 2010

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM KCC WICHITA**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

7/12/12

OPERATOR: License # 30606  
 Name: Murfin Drilling Company, Inc.  
 Address 1: 250 N. Water, Suite 300  
 Address 2: \_\_\_\_\_  
 City: Wichita State: KS Zip: 67202 + \_\_\_\_\_  
 Contact Person: Leon Rodak  
 Phone: (316) 267-3241  
 CONTRACTOR: License # 30606  
 Name: Murfin Drilling Company, Inc.  
 Wellsite Geologist: Brad Rine  
 Purchaser: Paul Gunzelman

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- Gas     D&A     ENHR     SIGW
- OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD

Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled    Permit #: \_\_\_\_\_

Dual Completion    Permit #: \_\_\_\_\_

SWD    Permit #: \_\_\_\_\_

ENHR    Permit #: \_\_\_\_\_

GSW    Permit #: \_\_\_\_\_

<u>03/13/10</u>	<u>03/18/10</u>	<u>04/05/10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22647-0000

Spot Description: \_\_\_\_\_  
N2\_NE\_NE\_NW Sec. 16 Twp. 12 S. R. 24  East  West

100 Feet from  North /  South Line of Section

2,310 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW

County: Trego

Lease Name: Hendricks Well #: 2-16

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2473 Kelly Bushing: 2478

Total Depth: 4145 Plug Back Total Depth: 4110

Amount of Surface Pipe Set and Cemented at: 218 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 2086  
 feet depth to: surface w/ 175 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 #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.

Signature: \_\_\_\_\_  
 Title: VP Production Date: 07/12/10

**KCC Office Use ONLY**

- Letter of Confidentiality Received 7/12/10 - 7/12/12  
 Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NS Date: 7-14-10

Operator Name: Murfin Drilling Company, Inc. Lease Name: Hendricks Well #: 2-16 JUL 12 2010

Sec. 16 Twp. 12 S. R. 24  East  West County: Trego **CONFIDENTIAL**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
*(Attach Additional Sheets)*  
Samples Sent to Geological Survey  Yes  No  
Cores Taken  Yes  No  
Electric Log Run  Yes  No  
Electric Log Submitted Electronically  Yes  No  
*(If no, Submit Copy)*

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum

See Attached List

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**JUL 12 2010**  
**KCC WICHITA**

List All E. Logs Run:

Dual Induction, Compensated Porosity,  
Microresistivity *✓*

CASING RECORD <input checked="" 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
Surface		8 5/8	23#	218	Common	150	3% cc, 2% gel
Production		5 1/2	15.5#	4136	EA-2	150	

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4012 - 4024 LKC "I"	250 gal 15% MCA, 1000 gal 15% NEFE	

TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4083</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>04/13/10</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbbs. <u>10</u>	Gas Mcf _____	Water Bbbs. <u>3</u> 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4012 - 4024</u>
---	---	--

Formation	MDCI Hendricks #2-16 100 FNL 2310 FWL Sec. 16-T12S-R24W 2478' KB			MDCI Hobston Unit #1-8 2580 FSL 330 FEL Sec. 8-T12S-R24W 2477' KB			Gulf Oil Corp. (Plugged) #1 Brandenburg C NE SW Sec. 16-T12S-R24W 2491' KB			
	Sample top	Datum	Log Top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2045	+433	2042	+436	+24	2065	+412	-9	2045	+445
B/Anhydrite	2088	+390	2083	+395	+22	2104	+373	-4	2092	+399
Topeka	3588	-1110	3584	-1106	-10	3573	-1096	+7	3604	-1113
Heebner	3812	-1334	3810	-1332	-11	3798	-1321	+7	3830	-1339
Toronto	3832	-1354	3832	-1354	-13	3818	-1341	+7	3852	-1361
Lansing	3845	-1367	3845	-1367	-12	3832	-1355	+9	3867	-1376
BKC	4094	-1616	4095	-1617	-20	4074	-1597	+12	4120	-1629
Pawnee						NDE	NDE		4256	-1765
Fort Scott						NDE	NDE		4326	-1837
Cherokee						NDE	NDE		4348	-1857
Mississippi						NDE	NDE		4420	-1929
RTD	4145	-1667				4140			4475	
LTD			4146	-1668		4136			4453	

**KCC**  
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 JUL 12 2010  
 KCC WICHITA

Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

*acct. Sen*  
**Invoice**

**KCC**  
**JUL 12 2010**  
**CONFIDENTIAL**

Date	Invoice #
3/15/2010	2366

<b>Bill To</b>
Murfin Drilling Company P.O. Box 288 Russell Ks 67665

USED FOR RECEIVED  
APPROVED JUL 12 2010  
**KCC WICHITA**

*operator pay*  
*moc*  
*/a*

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
150	common	10.50	1,575.00T
3	GEL	17.00	51.00T
5	Calcium	42.00	210.00T
158	handling	2.00	316.00
1	MILEAGE CHARGE	350.00	350.00
1	surface pipes 0-500ft	450.00	450.00
50	pump truck mileage charge	7.00	350.00
367	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-367.00T
293	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-293.00
	LEASE: HENDRICKS WELL #2-16 Trego county Sales Tax <i>/om</i>	5.80%	85.20
Thank you for your business. Dave		<b>Total</b>	<i>2366</i> \$2,727.20

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 3576

Date	3-13-2010	Sec.	16S	Twp.	12	Range	4	County	Trego	State	Ks	On Location		Finish	8:30 PM	
Lease	Hendricks		Well No.	#2-16		Location	Voda Exit → I-70, 3/4 S, 1 1/2 E S/S									
Contractor	Muefin #16							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Surface Casing							Charge To	Muefin Drilling Company							
Hole Size	12 1/4"		T.D.	218'		Depth	218'									
Csg.	8 3/8" 234 New		Depth	218'												
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.	15'		Shoe Joint	15'		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line			Displace	12.93 BBS		CEMENT										

**EQUIPMENT**

Amount Ordered 150 sx Common 3% CC 2% Gel

Pumptrk	1	No.	Cementer	Brandon
			Helper	
Bulktrk	8	No.	Driver	Joe
			Driver	
Bulktrk Pickup		No.	Driver	Rick
			Driver	

Common	
Poz. Mix	
Gel.	

**JOB SERVICES & REMARKS**

Remarks: Cement did Circulate

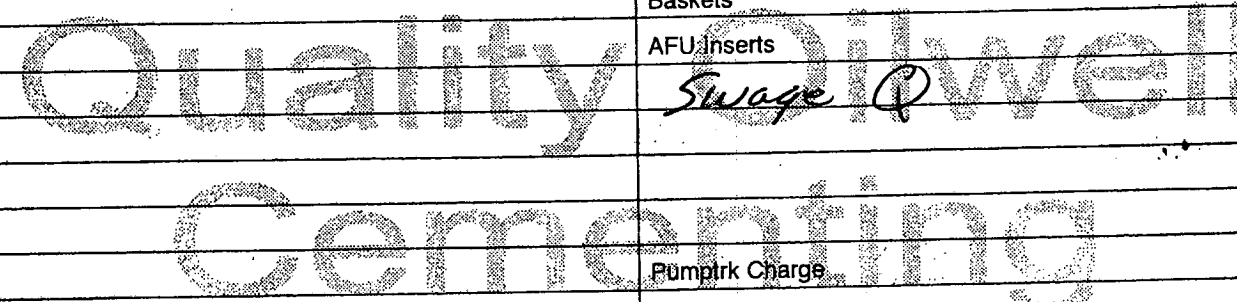
Calcium	
Hulls	
Salt	
Flowseal	

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JUL 12 2010  
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Handling	RECEIVED
Mileage	JUL 12 2010

FLOAT EQUIPMENT KCC WICHITA

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	



Pumptrk Charge	
Mileage	

Tax	
Discount	
Total Charge	

X Signature *[Signature]*



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

Accty -

cc: WF  
cc: Liz  
cc: Leon page 1

# Invoice

DATE	INVOICE #
3/31/2010	17447

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

• Acidizing  
• Cement  
• Tool Rental

*Handwritten:* New well  
JFK

KCC  
JUL 12 2010  
CONFIDENTIAL

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-16	Hendricks	Trego	Company Rig	Oil	Development	Cement Port Collar	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				45	Miles	5.00	225.00
576D-D	Pump Charge - Port Collar - 2086 Feet				1	Job	1,100.00	1,100.00
290	D-Air				3	Gallon(s)	35.00	105.00T
279	Bentonite Gel				4	Sack(s)	20.00	80.00T
330	Swift Multi-Density Standard (MIDCON II)				175	Sacks	14.00	2,450.00T
276	Flocele				88	Lb(s)	1.50	132.00T
581D	Service Charge Cement				250	Sacks	1.50	375.00
583D	Drayage				569.32	Ton Miles	1.00	569.32
	Subtotal							5,036.32
	Sales Tax Trego County						5.80%	160.49
<b>Thank You For Your Business!</b>							<b>Total</b>	<b>\$5,196.81</b>

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JUL 12 2010  
KCC WICHITA



CHARGE TO: Murtin Dr Co  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET  
17447

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Hayes, KS</u> 2. <u>Ness City, KS</u> 3. _____ 4. _____	WELL/PROJECT NO. <u># 2-16</u>	LEASE <u>Hendricks</u>	COUNTY/PARISH <u>Trego</u>	STATE <u>Ks</u>	CITY _____	DATE <u>3-31-10</u>	OWNER _____
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Co-Res</u>	RIG NAME/NO. _____	SHIPPED <u># VIA 2003</u>	DELIVERED TO <u>S/Under, Kc</u>	ORDER NO. _____		
WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Wickbeat</u>	JOB PURPOSE <u>Cement Port Collar</u>	WELL PERMIT NO. _____	WELL LOCATION _____			
REFERRAL LOCATION _____	INVOICE INSTRUCTIONS _____						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575		1			MILEAGE #113	45	Mi		500	225.00
576 D		1			Pump Charge - Cmt Port Collar	1	ea	2056	#	1100.00
290		1			D-Air	3	gal		35.00	105.00
279		1			Berbonite Gel	4	sts	200	lbs	80.00
330		2			SMD Cement	175	sts		14.00	2450.00
276		2			Flocele 1/2 #/SK	88	lb		1.50	132.00
581		2			Service Charge	250	sts	2481.5	lbs	325.00
583		2			Drayage	569.32	Tm	25.303	lbs	569.32

**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: 3-31-10 TIME SIGNED: 10:15  
 A.M.  P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					5036.32
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	5196.81

SWIFT OPERATOR: [Signature]

APPROVAL: \_\_\_\_\_

Thank You!

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

JOB LOG

SWIFT Services, Inc.

DATE 3-31-10 PAGE NO. 1

CUSTOMER *Martin Ditz Co.* WELL NO. *2-110* LEASE *Hendricks* JOB TYPE *Cement Port Collar* TICKET NO. *17942*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0815							On location Set-up tools JUL 12 2010 CONFIDENTIAL
	0825					1200	1200	Tst PC closed @ 2086' - OK
	0830	3	3			closed	200	Open P.C - est. rate - base bleed
	0840					200	200	Start mixing gel - down tbg
		3	15			200	200	Have air - Fin up 4 stks Gel
		3	5			200	200	Pump 5 BBI H <sub>2</sub> O spacers
		3				200		Start SMD cut @ 11.2 #/gal
		3				250		Gel air out
		3	80			250		Cut air - <del>50</del> <sup>150</sup> mixed - Tail in 25 stks
		3	88			200		Fin cut - 175 stks total used
		3	11			200		Displ 11 BBI H <sub>2</sub> O.
	0925					C	1200	Close P.C & tst ok
								Rig run 5 stks to 2214'
	0930	3					200	Rev-out tbg - 2 plays
			25					Fin Rev-out
	0945							Job Complete
								Wash up & Packup tools
								30 stks cut to P.T
								<i>Thanks</i> Alan, Doug & Shane

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JUL 12 2010

KCC WICHITA





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

Accty -  
cc: L12  
cc: WF  
cc: Loan p.l.

# Invoice

DATE	INVOICE #
3/19/2010	18465

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

- Acidizing
- Cement
- Tool Rental

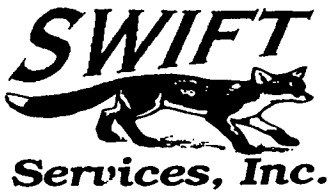
**KCC**  
JUL 12 2010  
**CONFIDENTIAL**

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-16	Hendricks	Trego	Murfin Drilling	Oil	Development	LongString	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
578D-L	Pump Charge - Long String - 4145 Feet	1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer	10	Each	55.00	550.00T
403-5	5 1/2" Cement Basket	1	Each	180.00	180.00T
404-5	5 1/2" Port Collar	1	Each	1,900.00	1,900.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	275.00	275.00T
413-5	5 1/2" Roto Wall Scratcher	10	Each	40.00	400.00T
419-5	5 1/2" Rotating Head Rental	1	Each	150.00	150.00T
325	Standard Cement	190	Sacks	11.00	2,090.00T
276	Flocele	50	Lb(s)	1.50	75.00T
283	Salt	950	Lb(s)	0.15	142.50T
284	Calseal	9	Sack(s)	30.00	270.00T
285	CFR-1	150	Lb(s)	4.00	600.00T
581D	Service Charge Cement	190	Sacks	1.50	285.00
583D	Drayage	398	Ton Miles	1.00	398.00
	Subtotal				10,560.50
	Sales Tax Trego County			5.80%	480.10

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KCC WICHITA

<b>We Appreciate Your Business!</b>	<b>Total</b>	<b>\$11,040.60</b>
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CHARGE TO: *Murfin Drlg Co. Inc*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

RECEIVED  
 JUL 12 2010  
 KCC WICHITA

TICKET  
 18465

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. *Hays Ks*  
 2. *Ness City Ks*

WELL/PROJECT NO. *#2-16* LEASE *Hendricks* COUNTY/PARISH *Trego* STATE *Ks* CITY  
 DATE *3-19-10* OWNER *same*

TICKET TYPE  SERVICE  SALES CONTRACTOR *Murfin #16* RIG NAME NO. SHIPPED VIA *CT* DELIVERED TO *location* ORDER NO.

WELL TYPE *oil* WELL CATEGORY *Development* JOB PURPOSE *Longstring* WELL PERMIT NO. WELL LOCATION

REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	40	mi			5 <sup>00</sup>	200 <sup>00</sup>
578		1			Pump Charge (Longstring)	1	ea	4145'		1400 <sup>00</sup>	1400 <sup>00</sup>
221		1			KCL	4	gal			25 <sup>00</sup>	100 <sup>00</sup>
280		1			Flocheck-21	500	gal			<del>25</del> <sup>00</sup>	<del>12500</del> <sup>00</sup>
290		1			D-Air	2	gal			35 <sup>00</sup>	70 <sup>00</sup>
402		1			Centralizers	18	ea	5 1/2"		55 <sup>00</sup>	550 <sup>00</sup>
403		1			Basket	1	ea			180 <sup>00</sup>	180 <sup>00</sup>
404		1			Part Collar	1	ea			1900 <sup>00</sup>	1900 <sup>00</sup>
406		1			L.D. Plug & Baffle	1	ea			225 <sup>00</sup>	225 <sup>00</sup>
407		1			Insert Float Shoe w/fill	1	ea			275 <sup>00</sup>	275 <sup>00</sup>
413		1			Rotowall Scratchers	10	ea			40 <sup>00</sup>	400 <sup>00</sup>
479		1			Rotating Head	1	ea			150 <sup>00</sup>	150 <sup>00</sup>

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X<sup>o</sup>  
 DATE SIGNED *3-19-10* TIME SIGNED *0935*  A.M.  P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	→ <del>6700</del> <sup>00</sup>
page 2	→ <del>3780</del> <sup>00</sup>
Subtotal	→ <del>10780</del> <sup>50</sup>
TAX <i>Trego 5.8%</i>	→ 480 <sup>10</sup>
TOTAL	11,040 <sup>60</sup>

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

SWIFT OPERATOR *Wade King*

APPROVAL *Wade King*

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 3-19-10 PAGE NO. 1

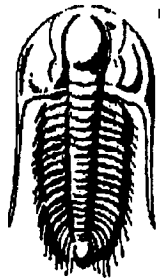
CUSTOMER: Martin Drlg Co. Inc WELL NO. # 2-16 LEASE Hendricks JOB TYPE Logging TICKET NO. 18465

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							on loc <del>setup</del> w/ F.E.
								RTD 4145' 5 1/2" x 15.5 # x 4140' x 20' Cent. 1-4, 6, 8, 10, 12, 14, 16 Bask 48 P.C. 49 @ 2090'
	0530							start F.E.
	0635							Circ @ #60
	0735							Circ Bottom
	0844	4	0				200	Start KCL flash 15 bbl
	0847	4	15/0				200	Start Flocheck 12 bbl
	0850	4	12/0				200	Start KCL flash 5 bbl
	0851	5.5	5/0				250	Start Cement 150 sks EA-2
	0857		36					End Cement Wash P&L Drop L.D. Plug
	0900	6.5	0				200	Start Displacement
	0910	5	73				250	Catch Cement
	0915		98				700 / 1500	Land Plug Release Pressure Float Held
	0920	2.5	7/4					Plug RH+AMH 40 sks

**KCC**  
JUL 12 2010  
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KCC WICHITA

Thank you  
Nick, Josh F. + Lane



**TRILOBITE**  
**TESTING, INC.**

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JUL 12 2010  
KCC WICHITA

**DRILL STEM TEST REPORT**

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

250 N. Water  
Suite 300  
Wichita KS 67202

ATTN: Paul Gunzelman

**16 12S 24W Trego KS**

**Hendricks #2-16**

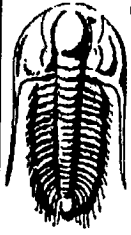
Start Date: 2010.03.17 @ 13:06:47

End Date: 2010.03.17 @ 20:15:47

Job Ticket #: 38092                      DST #: 1

**KCC**  
**JUL 12 2010**  
**CONFIDENTIAL**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Murfin Drilling Company, Inc.

**Hendricks #2-16**

250 N. Water  
Suite 300  
Wichita KS 67202  
ATTN: Paul Gunzelman

**16 12S 24W Trego KS**  
Job Ticket: 38092      **DST#: 1**  
Test Start: 2010.03.17 @ 13:06:47

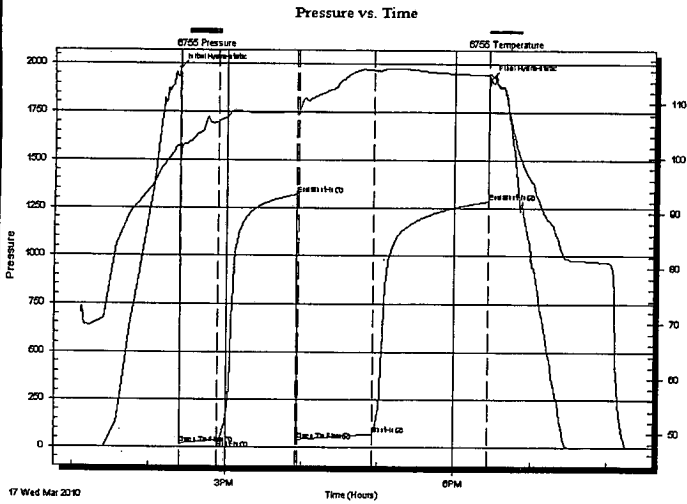
**GENERAL INFORMATION:**

Formation: "I"  
Deviated: No Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole  
Time Tool Opened: 14:23:47      Tester: Jason McLemore  
Time Test Ended: 20:15:47      Unit No: 32  
Interval: 4002.00 ft (KB) To 4024.00 ft (KB) (TVD)      Reference Elevations: 2478.00 ft (KB)  
Total Depth: 4024.00 ft (KB) (TVD)      2473.00 ft (CF)  
Hole Diameter: 7.80 inches Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 6755**      Inside  
Press@RunDepth: 68.67 psig @ 4006.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.03.17      End Date: 2010.03.17      Last Calib.: 2010.03.17  
Start Time: 13:06:49      End Time: 20:15:47      Time On Btm: 2010.03.17 @ 14:23:17  
Time Off Btm: 2010.03.17 @ 18:27:17

**TEST COMMENT:** IFF-Good Blow ,BOB in 26 Min.  
ISI-Blow back Built to 2"  
FFP-Good Blow ,BOB in 9 Min.  
FSI-Blow back Built to 5-1/2"

**PRESSURE SUMMARY**



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1977.42	102.58	Initial Hydro-static
1	15.40	102.06	Open To Flow (1)
30	36.01	106.76	Shut-In(1)
93	1319.95	108.52	End Shut-In(1)
94	37.72	108.15	Open To Flow (2)
153	68.67	116.07	Shut-In(2)
243	1282.73	115.30	End Shut-In(2)
244	1925.83	115.45	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	HOCM-35%O-65%M	0.57
80.00	Clean Oil	1.12
0.00	580' Gas In Pipe	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company, Inc.

**Hendricks #2-16**

250 N. Water  
Suite 300  
Wichita KS 67202  
ATTN: Paul Gunzelman

**16 12S 24W Trego KS**

Job Ticket: 38092      **DST#: 1**  
Test Start: 2010.03.17 @ 13:06:47

### Tool Information

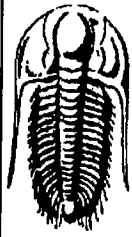
Drill Pipe:	Length: 3962.00 ft	Diameter: 3.80 inches	Volume: 55.58 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 55.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4002.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3980.00	
Shut In Tool	5.00			3985.00	
Hydraulic tool	5.00			3990.00	
Safety Joint	2.00			3992.00	
Packer	5.00			3997.00	23.00      Bottom Of Top Packer
Packer	5.00			4002.00	
Stubb	1.00			4003.00	
Perforations	3.00			4006.00	
Recorder	0.00	6755	Inside	4006.00	
Recorder	0.00	8360	Outside	4006.00	
Perforations	15.00			4021.00	
Bullnose	3.00			4024.00	22.00      Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Murfin Drilling Company, Inc.

**Hendricks #2-16**

250 N. Water  
Suite 300  
Wichita KS 67202

**16 12S 24W Trego KS**

Job Ticket: 38092      DST#: 1

ATTN: Paul Gunzelman

Test Start: 2010.03.17 @ 13:06:47

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 53.00 sec/qt  
Water Loss: 6.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2400.00 ppm  
Filter Cake: inches

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

Oil API: 30 deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	HOCM-35%O-65%M	0.568
80.00	Clean Oil	1.122
0.00	580' Gas In Pipe	0.000

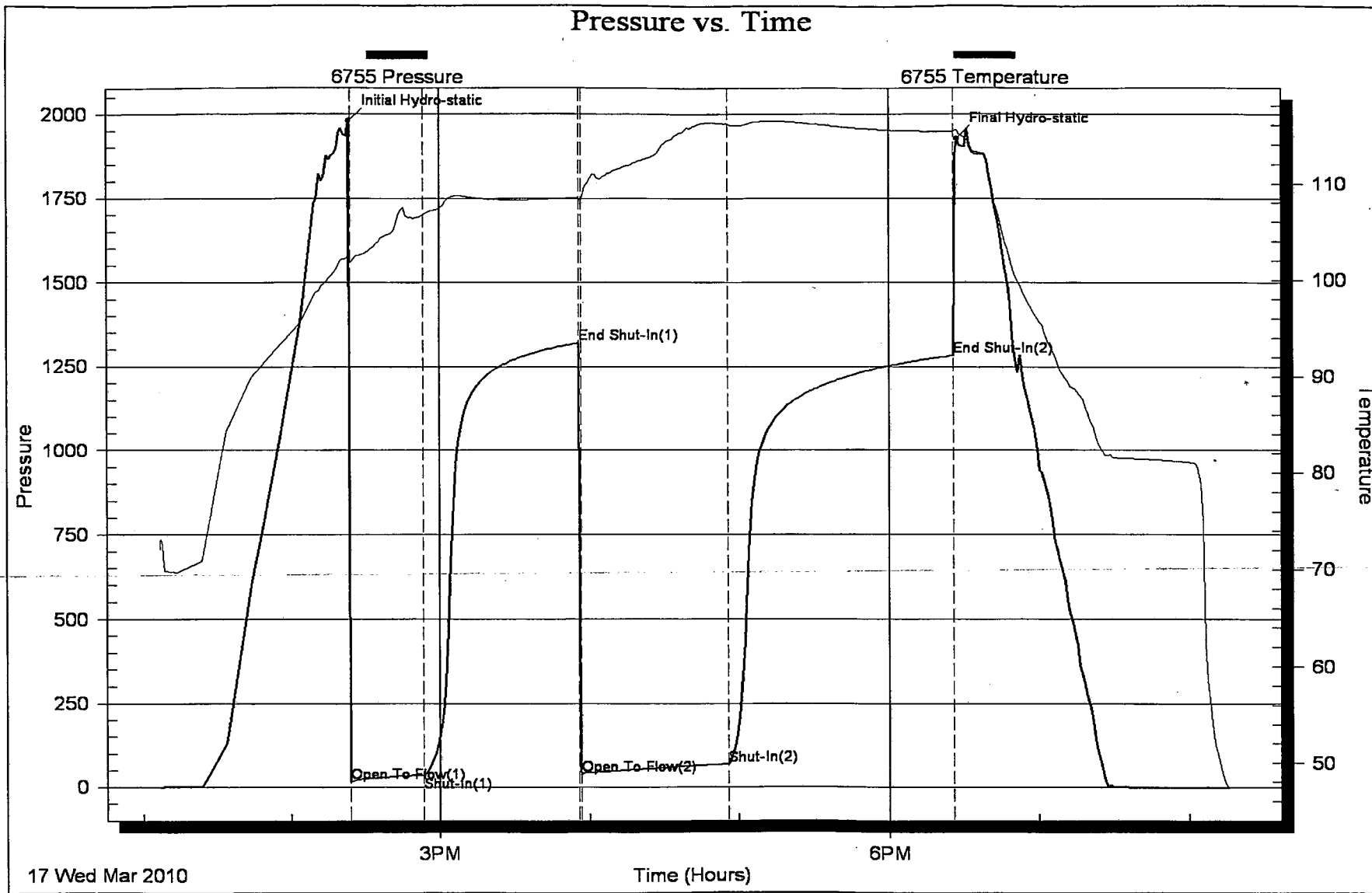
Total Length: 140.00 ft      Total Volume: 1.690 bbl

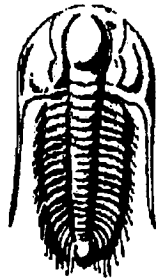
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

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## DRILL STEM TEST REPORT

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

250 N. Water  
Suite 300  
Wichita KS 67202

ATTN: Paul Gunzelman

**16 12S 24W Trego KS**

**Hendricks #2-16**

Start Date: 2010.03.18 @ 03:14:00

End Date: 2010.03.18 @ 09:25:30

Job Ticket #: 38093                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Company, Inc.

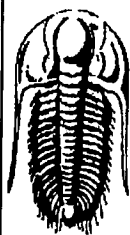
Hendricks #2-16

16 12S 24W Trego KS

DST # 2

"J"

2010.03.18



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Murfin Drilling Company, Inc.

250 N. Water  
Suite 300  
Wichita KS 67202  
ATTN: Paul Gunzelman

**Hendricks #2-16**

**16 12S 24W Trego KS**

Job Ticket: 38093      DST#: 2

Test Start: 2010.03.18 @ 03:14:00

### GENERAL INFORMATION:

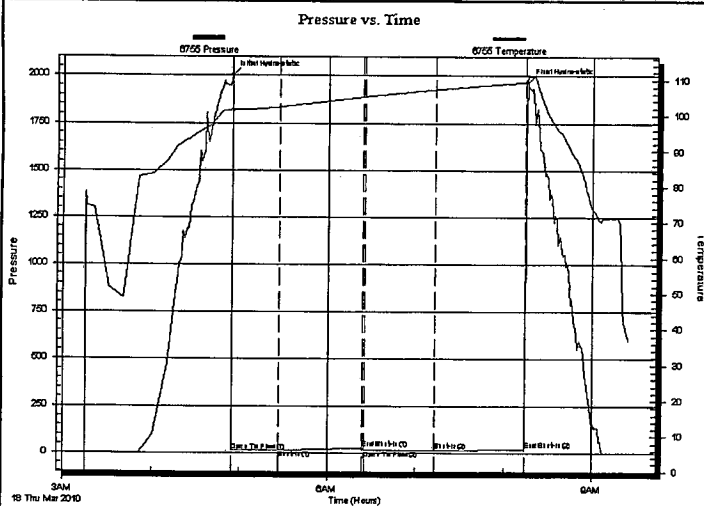
Formation: "J"  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 04:55:00  
Time Test Ended: 09:25:30  
Interval: 4024.00 ft (KB) To 4046.00 ft (KB) (TVD)  
Total Depth: 4046.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jason McLemore  
Unit No: 32  
Reference Elevations: 2478.00 ft (KB)  
2473.00 ft (CF)  
KB to GR/CF: 5.00 ft

### Serial #: 6755

Inside

Press@RunDepth: 14.91 psig @ 4028.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.03.18      End Date: 2010.03.18      Last Calib.: 2010.03.18  
Start Time: 03:14:34      End Time: 09:25:29      Time On Btm: 2010.03.18 @ 04:54:30  
Time Off Btm: 2010.03.18 @ 08:15:00

TEST COMMENT: IFP-Weak Blow ,Built to 1"  
ISI-Dead  
FFP-Weak Surface Blow ,Lasted Throughout  
FSI-Dead



### PRESSURE SUMMARY

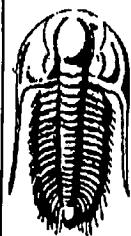
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.67	101.87	Initial Hydro-static
1	13.12	101.25	Open To Flow (1)
33	14.34	102.43	Shut-In(1)
90	28.57	105.21	End Shut-In(1)
91	14.32	105.25	Open To Flow (2)
139	14.91	107.31	Shut-In(2)
200	21.52	109.49	End Shut-In(2)
201	1966.68	110.51	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud W/Oil Spots	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company, Inc.

**Hendricks #2-16**

250 N. Water  
Suite 300  
Wichita KS 67202  
ATTN: Paul Gunzelman

**16 12S 24W Trego KS**

Job Ticket: 38093      **DST#: 2**  
Test Start: 2010.03.18 @ 03:14:00

## Tool Information

Drill Pipe:	Length: 3991.00 ft	Diameter: 3.80 inches	Volume: 55.98 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4024.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	45.00 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			4002.00	
Shut In Tool	5.00			4007.00	
Hydraulic tool	5.00			4012.00	
Safety Joint	2.00			4014.00	
Packer	5.00			4019.00	23.00      Bottom Of Top Packer
Packer	5.00			4024.00	
Stubb	1.00			4025.00	
Perforations	3.00			4028.00	
Recorder	0.00	6755	Inside	4028.00	
Recorder	0.00	8360	Outside	4028.00	
Perforations	15.00			4043.00	
Bullnose	3.00			4046.00	22.00      Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company, Inc.

**Hendricks #2-16**

250 N. Water  
Suite 300  
Wichita KS 67202

**16 12S 24W Trego KS**

Job Ticket: 38093

**DST#: 2**

ATTN: Paul Gunzelman

Test Start: 2010.03.18 @ 03:14:00

### 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	Mud W/Oil Spots	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

