

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED

ORIGINAL

JUL 29 2010

Form ACO-1
June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

7/20/12

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: Paul Gunzelman
Purchaser: MV Purchasing

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>04/01/10</u>	<u>04/08/10</u>	<u>05/07/10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 039-21115-0000
Spot Description: _____
W2_NE_NW_SE Sec. 34 Twp. 3 S. R. 27 East West
2,310 Feet from North / South Line of Section
1,860 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Decatur
Lease Name: Fox A Well #: 1-34
Field Name: Altory Southeast
Producing Formation: LKC
Elevation: Ground: 2539 Kelly Bushing: 2544
Total Depth: 3720 Plug Back Total Depth: 3676
Amount of Surface Pipe Set and Cemented at: 219 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 2082
feet depth to: surface w/ 200 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: 07/28/10

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 7/20/10 - 7/20/12
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: MS Date: 8-9-10

Operator Name: Murfin Drilling Company, Inc. Lease Name: Fox A Well #: 1-34 JUL 29 2010
 Sec. 34 Twp. 3 S. R. 27 East West County: Decatur **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 Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Sheets)	<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Attached List	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run: Dual Induction, Compensated Porosity, Microresistivity		RECEIVED JUL 29 2010 KCC WICHITA	

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#	219	Common	170	3% cc, 2% gel
Production		5 1/2	15.5#	3696	EA-2	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	Toronto 3449-3453		
4	LKC "B" 3488-3491, LKC "D" 3498-3506	400 gal 15% MCA, 800 gal NEFE	
4	LKC "H" 3570-3576	250 gal 15% MCA, 750 gal 15% NEFE	
4	LKC "J" 3606-3614		
4	LKC "K" 3630-3642	250 gal 15% MCA, (J) & (K) 1000 gal 15% MCA	

TUBING RECORD:	Size: <u>2-3/8</u>	Set At: <u>3614</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/14/10</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 Bbls. <u>6</u>	Gas Mcf	Water Bbls. <u>11</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3449-3642</u>
--	--	--

MDCI Fox 'A' #1-34 2310 FSL 1860 FEL Sec. 34-T3S-R27W 2544' KB	J.A. Allison Steffan #1 NW SW SE Sec. 34-T3S-R27W 2579' KB
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Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2069	+475	-7	2068	+476	-6	2097	+482
B/Anhydrite	2101	+443	-7	2100	+444	-6	2129	+450
Topeka	3250	-706	-3	3249	-705	-2	3282	-703
Heebner	3420	-876	Flat	3420	-876	Flat	3455	-876
Toronto	3449	-905	Flat	3448	-904	+1	3484	-905
Lansing	3462	-918	-1	3462	-918	-1	3496	-917
BKC	3660	-1116	+6	3662	-1118	+4	3701	-1122
RTD	3720	-1176					3710	
LTD				3715			3710	

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PO BOX 31 Russell, KS 67665

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JUL 29 2010

KCC WICHITA

user. Liz
INVOICE

Invoice Number: 122146

Invoice Date: Apr 1, 2010

Page: 1

Voice: (785) 483-3887
Fax: (785) 483-5566

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

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JUL 29 2010
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Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Fox A #1-34	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Apr 1, 2010	5/1/10

Quantity	Item	Description	Unit Price	Amount
170.00	MAT	Class A Common	15.45	2,626.50
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
179.00	SER	Handling	2.40	429.60
35.00	SER	Mileage 179 sx @.10 per sk per mi	17.90	626.50
1.00	SER	Surface	1,018.00	1,018.00
35.00	SER	Pump Truck Mileage	7.00	245.00

Subtotal	5,357.20
Sales Tax	191.40
Total Invoice Amount	5,548.60
Payment/Credit Applied	
TOTAL	5,548.60

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

\$ 1875.03

ONLY IF PAID ON OR BEFORE

Apr 26, 2010

OKM

km

ALLIED CEMENTING CO., LLC. 039216

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

SERVICE POINT: Oakley

DATE <u>4-1-10</u>	SEC <u>34</u>	TWP. <u>35</u>	RANGE <u>27W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00p.m</u>	JOB FINISH <u>4:30p.m</u>
LEASE <u>FOX "A"</u>	WELL # <u>1-34</u>	LOCATION <u>Jennings</u>		<u>2N 2W</u>		COUNTY <u>Decatur</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>		<u>2 1/2 N W into</u>		KCC			

CONTRACTOR Murfin Drilling Rig 8 OWNER Same

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>220'</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>220'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>13 bbl</u>	

EQUIPMENT

PUMP TRUCK # <u>422</u>	CEMENTER <u>Andrew</u>
	HELPER <u>Terry</u>
BULK TRUCK # <u>347</u>	DRIVER <u>Wil</u>
BULK TRUCK #	DRIVER

KCC
JUL 28 2010

CEMENT CONFIDENTIAL

AMOUNT ORDERED 170 SKS com
3% cc 2% gel

COMMON <u>170 SKS</u>	@ <u>15.45</u>	<u>2626.50</u>
POZMIX	@	
GEL <u>3 SKS</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE <u>6 SKS</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	

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HANDLING <u>179 SKS</u>	@ <u>2.40</u>	<u>429.60</u>
MILEAGE <u>108 SK/miles</u>		<u>626.50</u>
		TOTAL <u>4094.20</u>

REMARKS:

circ 5 bbls

Thank you

CHARGE TO: Murfin

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>220'</u>	
PUMP TRUCK CHARGE	<u>1018.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>35 miles</u>	@ <u>7.00</u> <u>245.00</u>
MANIFOLD	@

TOTAL 1263.00

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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



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



recopy
cc: WF
cc: Leopl

Invoice

DATE	INVOICE #
4/20/2010	17487

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

KCC
JUL 20 2010
CONFIDENTIAL

- Acidizing
 - Cement
 - Tool Rental
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TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-34	Fox A	Decatur	Company Rig	Oil	Development	Cement Port Collar	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	90	Miles	5.00	450.00
576D-D	Pump Charge - Port Collar - 2082 Feet	1	Job	1,100.00	1,100.00
290	D-Air	2	Gallon(s)	35.00	70.00T
330	Swift Multi-Density Standard (MIDCON II)	200	Sacks	15.00	3,000.00T
276	Flocele	50	Lb(s)	1.50	75.00T
581D	Service Charge Cement	300	Sacks	1.50	450.00
583D	Drayage	1,343.39	Ton Miles	1.00	1,343.39
	Subtotal				6,488.39
	Sales Tax Decatur County			6.30%	198.14

USED FOR ~~new well~~

APPROVED ~~IT~~

We Appreciate Your Business!	Total	\$6,686.53
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CHARGE TO: Murkin Dry Co.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

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 JUL 29 2010
 KCC WICHITA

TICKET
 17487
 PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Hays, Ks</u>	WELL/PROJECT NO. <u>1-34</u>	LEASE <u>Fox 'A'</u>	COUNTY/PARISH <u>Decatur</u>	STATE <u>Ks</u>	CITY	DATE <u>7-20-10</u>	OWNER
2. <u>Ness City, Ks</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Co-Rig</u>	RIG NAME/NO.	SHIPPED VIA <u>304</u>	DELIVERED TO <u>N/Jennings, Ks</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Wildcat</u>	JOB PURPOSE <u>Cement Port Collar</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #104	90	MI			5.00	450.00
576 D		1			Pump Charge - Cent. Port. Collar	1	FR	2082	FT	1100.00	1100.00
290		1			D-AIR	2	Gal			35.00	70.00
330		2			Sand Cement	200	SKS			15.00	3000.00
276		2			Flocele	50	Lb			15.00	750.00
581		2			Service Charge - Cement	300	SKS	28853	Lbs	1.50	450.00
583		2			Drainage	1343.37	TM			1.00	1343.39

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 Buck Selas
 DATE SIGNED 4-20-10 TIME SIGNED 11:00 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?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Decatur TAX 6.3%	198 14
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	6686 53
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR Don Lemman

APPROVAL _____ Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 4-20-11 PAGE NO.

CUSTOMER *Mechanics Drilling Co* WELL NO. *1-34* LEASE *FOX A* JOB TYPE *Cement Port Callout* TICKET NO. *17487*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0910							<i>In location - Set up Trk</i>
								<i>P.C @ 2082</i>
	0945					1200	1200	<i>Tst P.C closed - OK</i>
		3	3			C	400	<i>Open P.C. - Good Blow</i>
							C	<i>Make to Trk</i>
		3	1			400	C	<i>Start H₂O Ahead - Have Blow</i>
			3			400	C	<i>Ahead circulating</i>
		3	5			400	C	<i>Start SWD cont 1/4 #/gal floccul</i>
								<i>Cement Cir @ 25 BBL - 135 to 145 ft</i>
								<i>Test in 10 BBL @ 13.5 - 14 #/gal (400)</i>
								<i>Fin cont - (200 SPS used - 30 to Pit)</i>
								<i>6000 Disp 7 BBL H₂O - Close P.C</i>
						1200	1200	<i>Tst. PC closed - OK</i>
								<i>Rig run 5 ft -</i>
		3	8 1/2			200	200	<i>Rev-out Trk - 2 flags</i>
	1045	3	8 1/2 (21) total			200	200	<i>Fin Rev-out</i>
	1050							<i>Washup & Reakup Trk</i>
	11:00							<i>Job Complete</i>

Thanks
Alan, Doug & Bob
(30 SPS SWD cont circ to pit)

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 KGC WICHITA

Accty *cc: Liz
cc: WP
cc: Tom P. 1*



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



Invoice

DATE	INVOICE #
4/8/2010	17452

KCC

JUL 2 9 2010

CONFIDENTIAL

- Acidizing
- Cement
- Tool Rental

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

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-34	Fox A	Decatur	Company Rig #8	Oil	Development	LongString	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	5.00	400.00
578D-L	Pump Charge - Long String - 3720 Feet	1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
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	2	Each	200.00	400.00T
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	20	Each	40.00	800.00T
419-5	5 1/2" Rotating Head Rental	1	Each	150.00	150.00T
325	Standard Cement	200	Sacks	12.00	2,400.00T
276	Flocele	50	Lb(s)	1.50	75.00T
283	Salt	1,000	Lb(s)	0.15	150.00T
284	Calseal	9	Sack(s)	30.00	270.00T
285	CFR-1	150	Lb(s)	4.00	600.00T
581D	Service Charge Cement	200	Sacks	1.50	300.00
583D	Drayage	836	Ton Miles	1.00	836.00
	Subtotal				12,101.00
	Sales Tax Decatur County			6.30%	577.40

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KCC WICHITA

We Appreciate Your Business!

Total \$12,678.40



CHARGE TO: Murfin Drly Co. Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

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 KCC WICHITA

TICKET
 17452

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Hays, Ks.
 2. Ness City, Ks.
 3. _____
 4. _____

WELL/PROJECT NO. #1-34 LEASE Fox "A" COUNTY/PARISH Decatur STATE KS CITY _____ DATE 4-8-10 OWNER Sone

TICKET TYPE SERVICE SALES CONTRACTOR Co Tools Rig 8 RIG NAME/NO. _____ SHIPPED VIA Location DELIVERED TO _____ 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	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	80	mi			5.00	400.00
578		1			Pump Charge (Longstring)	1	ea	3720'		1400.00	1900.00
221		1			KEL	2	gal			25.00	50.00
280		1			Flachek-21	500	gal			2.50	1250.00
290		1			D-Air	2	gal			35.00	70.00
402		1			Centralizers	10	ea	5 1/2"		55.00	550.00
403		1			Baskets	2	ea			200.00	400.00
404		1			Perit Collar	1	ea			1900.00	1900.00
406		1			ZD Plug + Bad Pile	1	ea			225.00	225.00
407		1			Insert Float Shoe w/ fill	1	ea			275.00	275.00
413		1			Retwall Scratchers	20	ea			40.00	800.00
419		1			Rotating Head	1	ea			150.00	150.00

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

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

X Buck Solas
 DATE SIGNED 4-8-10 TIME SIGNED 1940 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		AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL 1	470.00
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	7321.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	4631.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Decatur TAX 6.3%	101.00
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	12,678.40
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR Mark Roche APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. **17452**

CUSTOMER **Murfin Dr/g Co. Inc** WELL **Fox #11-34** DATE **4-8-10** PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	UM	QTY.	UM			
325		2				Standard Cement	200	sk			12 ⁰⁰	2400 ⁰⁰	
276		2				Flecele	50	#			1 ⁵⁰	75 ⁰⁰	
283		2				Salt	1000	#	10	%	15 ⁰⁰	150 ⁰⁰	
284		2				Calseal	9	sk	5	%	30 ⁰⁰	270 ⁰⁰	
285		2				CFR-1	150	#	4	%	4 ⁰⁰	600 ⁰⁰	
581		2				SERVICE CHARGE						300 ⁰⁰	
585		2				MILEAGE CHARGE						836 ⁰⁰	
						TOTAL WEIGHT	20	900					
						LOADED MILES		80					
						TON MILES		836					
												CONTINUATION TOTAL	

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JOB LOG

SWIFT Services, Inc.

DATE 4-8-10 PAGE NO. 1

CUSTOMER *Murphy Oil Co. Inc.* WELL NO. *#1-34* LEASE *Fox "A"* JOB TYPE *Longstring* TICKET NO. *17452*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1510							on loc w/ FE
								RTD 3720'
								5 7/8" x 15.5" x 36.89' x 22'
								Cent. 1-9, 38
								Baski. 38, 39
								P.C. 39 @ 2084
	1630							Start FE
	1800					1300		Break circ 1840 Plugged off Hookup
	1845							to Trk Pump house @ 1500'
	1848	4	0			250		Start KCL
	1852	4	15/0			200		Start Flochok
	1854	4	12/0			200		Start KCL
	1855	5	5/0			200		Start Cement 150 sks EA-2
	1902		36					End Cement
								Wash P/L
								Drop Plug
	1905	6.5	0			200		Start Displacement
	1915	5	64			250		Catch Cement
	1920		87.5			700 / 1400		hard Plug
								Release Pressure
								Float Held
	1925	2.5	7/5					Plug RV & MH 30/20 sks EA-2

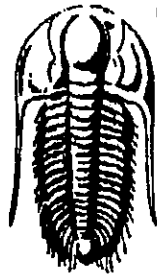
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Thank you
Nick, Josh & Russ



**TRILOBITE
TESTING, INC.**

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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company, Inc**
250 N Water STE. 300
Wichita KS 67202

ATTN: Paul Gunzelman

34-3-27 Decatur KS

Fox A #1-34

Start Date: 2010.04.04 @ 23:30:05
End Date: 2010.04.05 @ 07:42:59
Job Ticket #: 38853 DST #: 1

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

Murfin Drilling Company, Inc

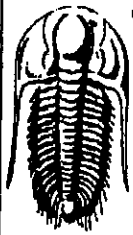
Fox A #1-34

34-3-27 Decatur KS

DST # 1

Toronto LKC A & B

2010.04.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE 300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38853

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2010.04.04 @ 23:30:05

GENERAL INFORMATION:

Formation: **Toronto LKC A & B**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 01:48:30

Time Test Ended: 07:42:59

Test Type: **Conventional Bottom Hole**

Tester: **Mike Roberts**

Unit No: **36**

Interval: **3424.00 ft (KB) To 3493.00 ft (KB) (TVD)**

Total Depth: **3493.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2549.00 ft (KB)**

2544.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6752

Inside

Press@RunDepth: **144.41 psig @ 3459.00 ft (KB)**

Start Date: **2010.04.04**

End Date: **2010.04.05**

Capacity: **8000.00 psig**

Last Calib.: **2010.04.05**

Start Time: **23:30:05**

End Time: **07:42:59**

Time On Btm: **2010.04.05 @ 01:43:30**

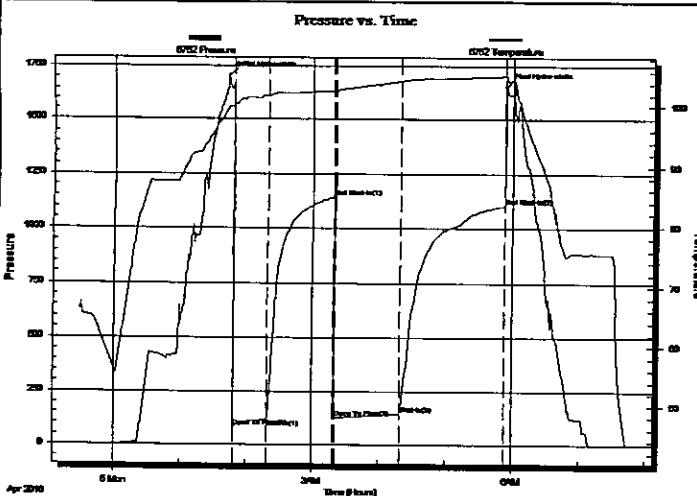
Time Off Btm: **2010.04.05 @ 05:53:29**

TEST COMMENT: IF: Built to 1 1/2" blow

IS: No return

FF: Built to 3" blow

FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.40	99.88	Initial Hydro-static
5	80.02	100.37	Open To Flow (1)
36	116.05	101.94	Shut-In(1)
96	1143.36	102.89	End Shut-In(1)
97	124.13	102.68	Open To Flow (2)
156	144.41	104.41	Shut-In(2)
250	1103.74	105.29	End Shut-In(2)
250	1655.06	105.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Free Oil	0.02
55.00	GCMO 5 % g 30 % m 65%o	0.27
60.00	GCOM 5%g 25%o 70%m	0.30
60.00	OCM 10%o 90%m	0.30
120.00	OCWM 10%o 40%w 50%m	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38853

DST#: 1

ATTN: Paul Gunzelman

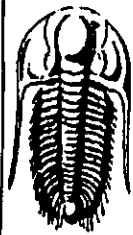
Test Start: 2010.04.04 @ 23:30:05

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.20 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3424.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3407.00	
Hydraulic tool	5.00			3412.00	
Safety Joint	3.00			3415.00	
Packer	5.00			3420.00	22.00 Bottom Of Top Packer
Packer	4.00			3424.00	
Stubb	1.00			3425.00	
Perforations	33.00			3458.00	
Change Over Sub	1.00			3459.00	
Recorder	0.00	6672	Inside	3459.00	
Recorder	0.00	6752	Inside	3459.00	
Blank Spacing	30.00			3489.00	
Change Over Sub	1.00			3490.00	
Bullnose	3.00			3493.00	69.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38853

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2010.04.04 @ 23:30:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.52 in³

Resistivity: 0.00 ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 0 deg API

Water Saffinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Free Oil	0.025
55.00	GCMO 5 % g 30 % m 65%o	0.270
60.00	GCOM 5%g 25%o 70%m	0.295
60.00	OCM 10%o 90%m	0.295
120.00	OCWM 10%o 40%w 50%m	1.683

Total Length: 300.00 ft Total Volume: 2.568 bbl

Num Fluid Samples: 0

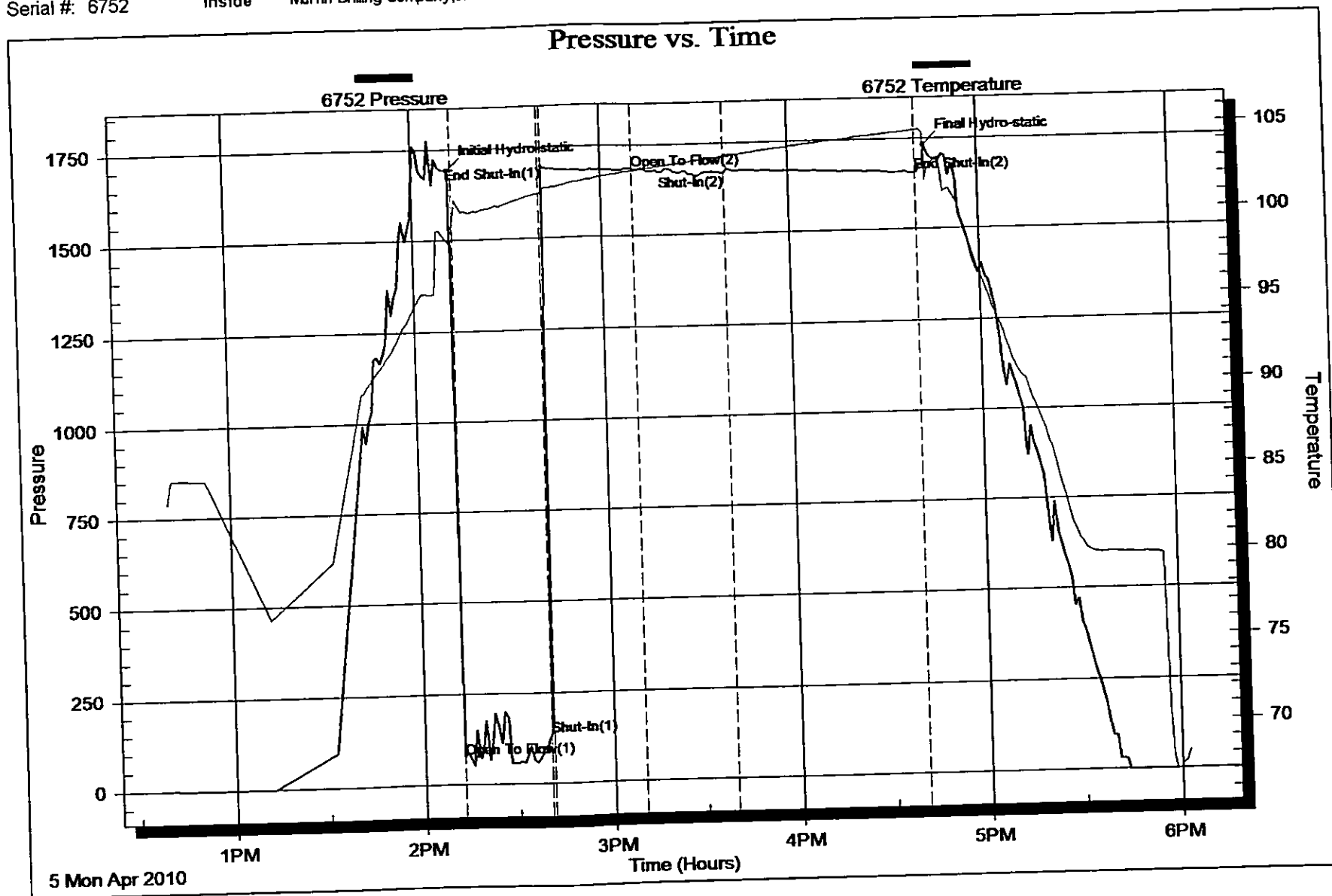
Num Gas Bombs: 0

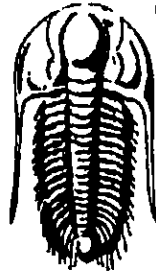
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water STE.300
Wichita KS 67202

ATTN: Paul Gunzelman

34-3-27 Decatur KS

Fox A #1-34

Start Date: 2010.04.05 @ 12:40:05

End Date: 2010.04.05 @ 18:02:29

Job Ticket #: 38854 DST #: 2

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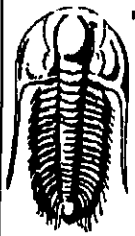
JUL 29 2010

KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company, Inc

250 N Water STE.300
Wichita KS 67202

ATTN: Paul Gunzelman

Fox A #1-34

34-3-27 Decatur KS

Job Ticket: 38854

DST#: 2

Test Start: 2010.04.05 @ 12:40:05

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:12:30

Time Test Ended: 18:02:29

Interval: 3498.00 ft (KB) To 3510.00 ft (KB) (TVD)

Total Depth: 3493.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 36

Reference Elevations: 2549.00 ft (KB)

2544.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 1666.87 psig @ 3499.00 ft (KB)

Start Date: 2010.04.05

End Date: 2010.04.05

Start Time: 12:40:05

End Time: 18:02:29

Capacity: 8000.00 psig

Last Calib.: 2010.04.05

Time On Btm: 2010.04.05 @ 14:11:30

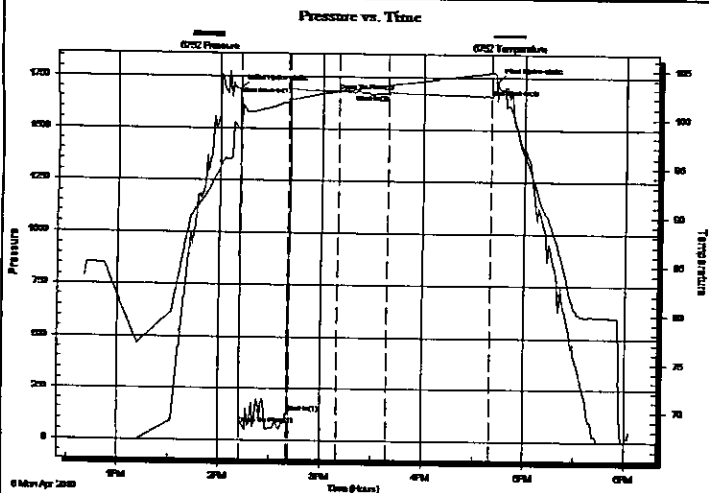
Time Off Btm: 2010.04.05 @ 16:43:00

TEST COMMENT: IF: Built to 1" died to 1/2" in 12 min. died completely in 27 min

IS: No Return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

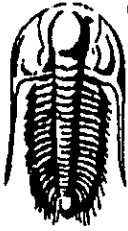
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.07	98.75	Initial Hydro-static
1	75.09	99.84	Open To Flow (1)
29	132.06	101.55	Shut-In(1)
30	1701.80	101.84	End Shut-In(1)
59	1683.83	102.73	Open To Flow (2)
88	1666.87	103.47	Shut-In(2)
149	1656.82	104.76	End Shut-In(2)
152	1732.96	101.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38854

DST#: 2

ATTN: Paul Gunzelman

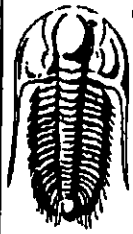
Test Start: 2010.04.05 @ 12:40:05

Tool Information

Drill Pipe:	Length: 3325.00 ft	Diameter: 3.80 inches	Volume: 46.64 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 47.53 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3498.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3481.00	
Hydraulic tool	5.00			3486.00	
Safety Joint	3.00			3489.00	
Packer	5.00			3494.00	22.00 Bottom Of Top Packer
Packer	4.00			3498.00	
Stubb	1.00			3499.00	
Recorder	0.00	6672	Inside	3499.00	
Recorder	0.00	6752	Inside	3499.00	
Perforations	8.00			3507.00	
Bullnose	3.00			3510.00	12.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38854

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2010.04.05 @ 12:40:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.55 in ³	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

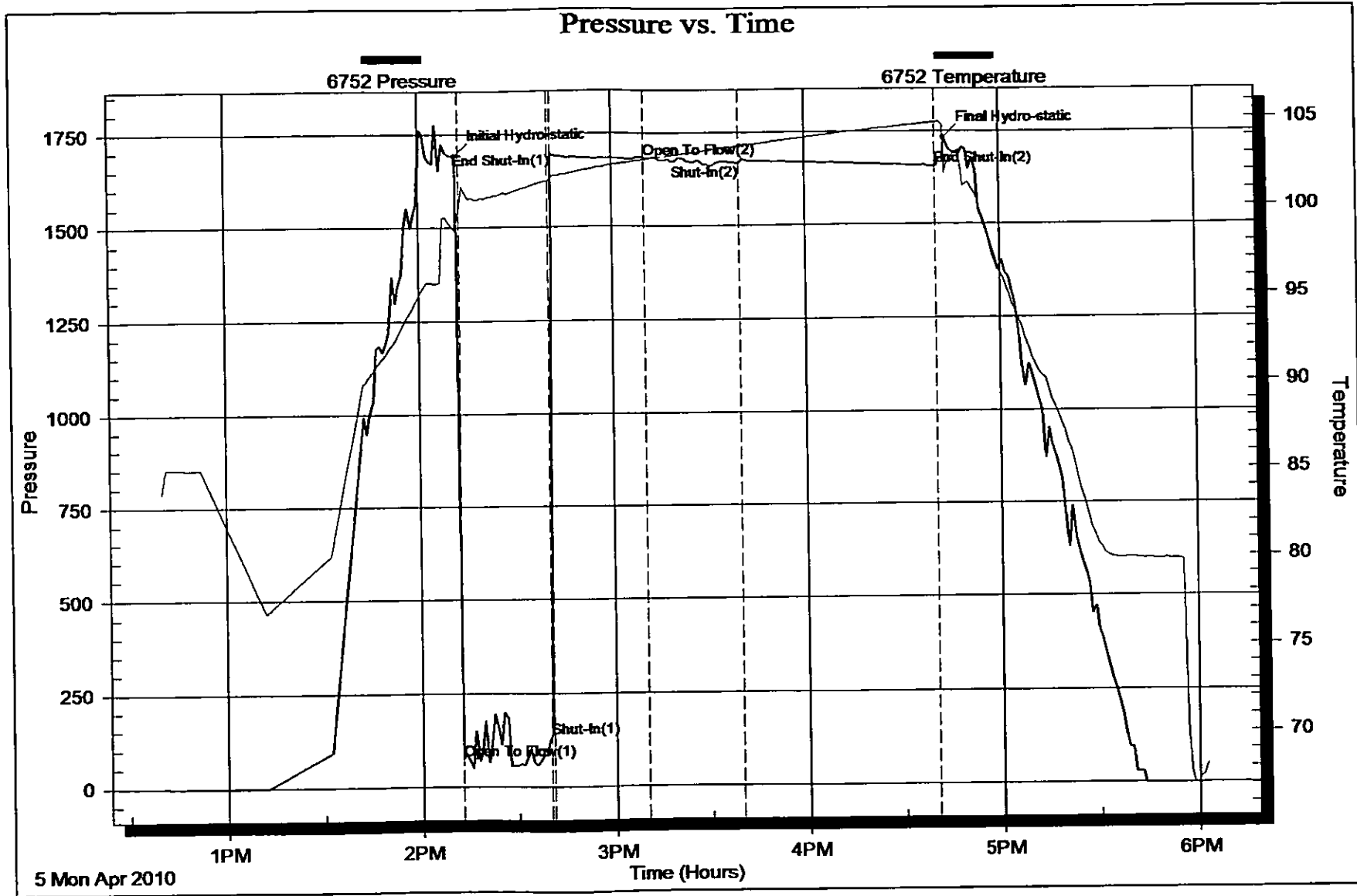
Length ft	Description	Volume bbl
5.00	100% m	0.025

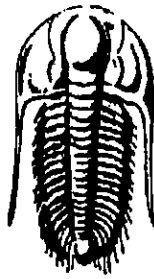
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Tool plugged at initial flow , slid 10 foot





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company, Inc**
250 N Water STE.300
Wichita KS 67202

ATTN: Paul Gunzelman

34-3-27 Decatur KS

Fox A #1-34

Start Date: 2010.04.05 @ 22:57:05
End Date: 2010.04.06 @ 04:33:59
Job Ticket #: 38855 DST #: 3

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

Murfin Drilling Company, Inc

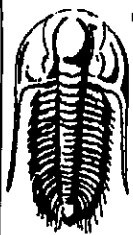
Fox A #1-34

34-3-27 Decatur KS

DST # 3

LKC "D"

2010.04.05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company, Inc
 250 N Water STE.300
 Wichita KS 67202
 ATTN: Paul Gunzelman

Fox A #1-34
34-3-27 Decatur KS
 Job Ticket: 38855 **DST#: 3**
 Test Start: 2010.04.05 @ 22:57:05

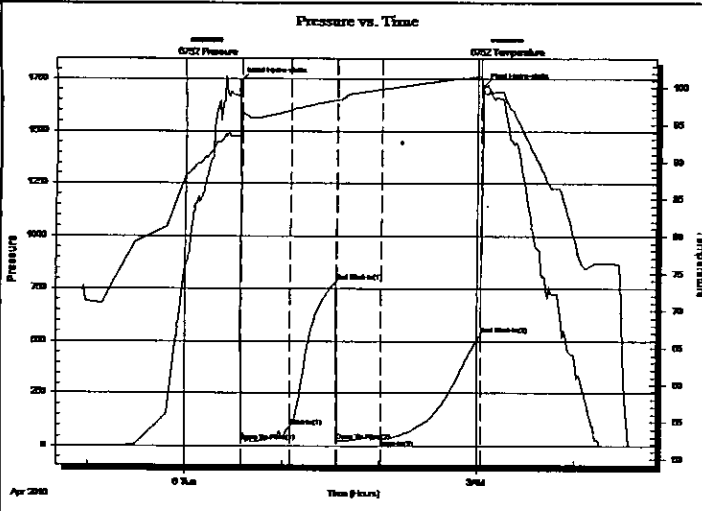
GENERAL INFORMATION:

Formation: **LKC "D"**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: **00:34:30**
 Time Test Ended: **04:33:59**
 Interval: **3498.00 ft (KB) To 3510.00 ft (KB) (TVD)**
 Total Depth: **3510.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Test Type: **Conventional Bottom Hole**
 Tester: **Mike Roberts**
 Unit No: **36**
 Reference Elevations: **2549.00 ft (KB)**
2544.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6752 **Inside**
 Press@RunDepth: **31.01 psig @ 3507.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.04.05** End Date: **2010.04.06** Last Calib.: **2010.04.06**
 Start Time: **22:57:05** End Time: **04:33:59** Time On Btm: **2010.04.06 @ 00:33:00**
 Time Off Btm: **2010.04.06 @ 03:03:30**

TEST COMMENT: IF: Built to 1/2" blow
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

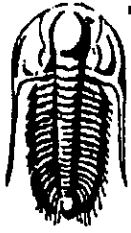
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.02	93.49	Initial Hydro-static
2	22.83	96.58	Open To Flow (1)
32	92.19	96.94	Shut-In(1)
61	784.60	98.33	End Shut-In(1)
61	28.22	98.34	Open To Flow (2)
88	31.01	99.77	Shut-In(2)
150	533.52	101.61	End Shut-In(2)
151	1712.67	100.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MWOS	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38855

DST#: 3

ATTN: Paul Gunzelman

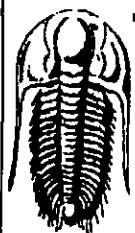
Test Start: 2010.04.05 @ 22:57:05

Tool Information

Drill Pipe:	Length: 3325.00 ft	Diameter: 3.80 inches	Volume: 46.64 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 47.53 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3498.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3481.00	
Hydraulic tool	5.00			3486.00	
Safety Joint	3.00			3489.00	
Packer	5.00			3494.00	22.00 Bottom Of Top Packer
Packer	4.00			3498.00	
Stubb	1.00			3499.00	
Perforations	8.00			3507.00	
Recorder	0.00	6672	Inside	3507.00	
Recorder	0.00	6752	Inside	3507.00	
Bullnose	3.00			3510.00	12.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38855

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2010.04.05 @ 22:57:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.56 in ³	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
15.00	MMOS	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

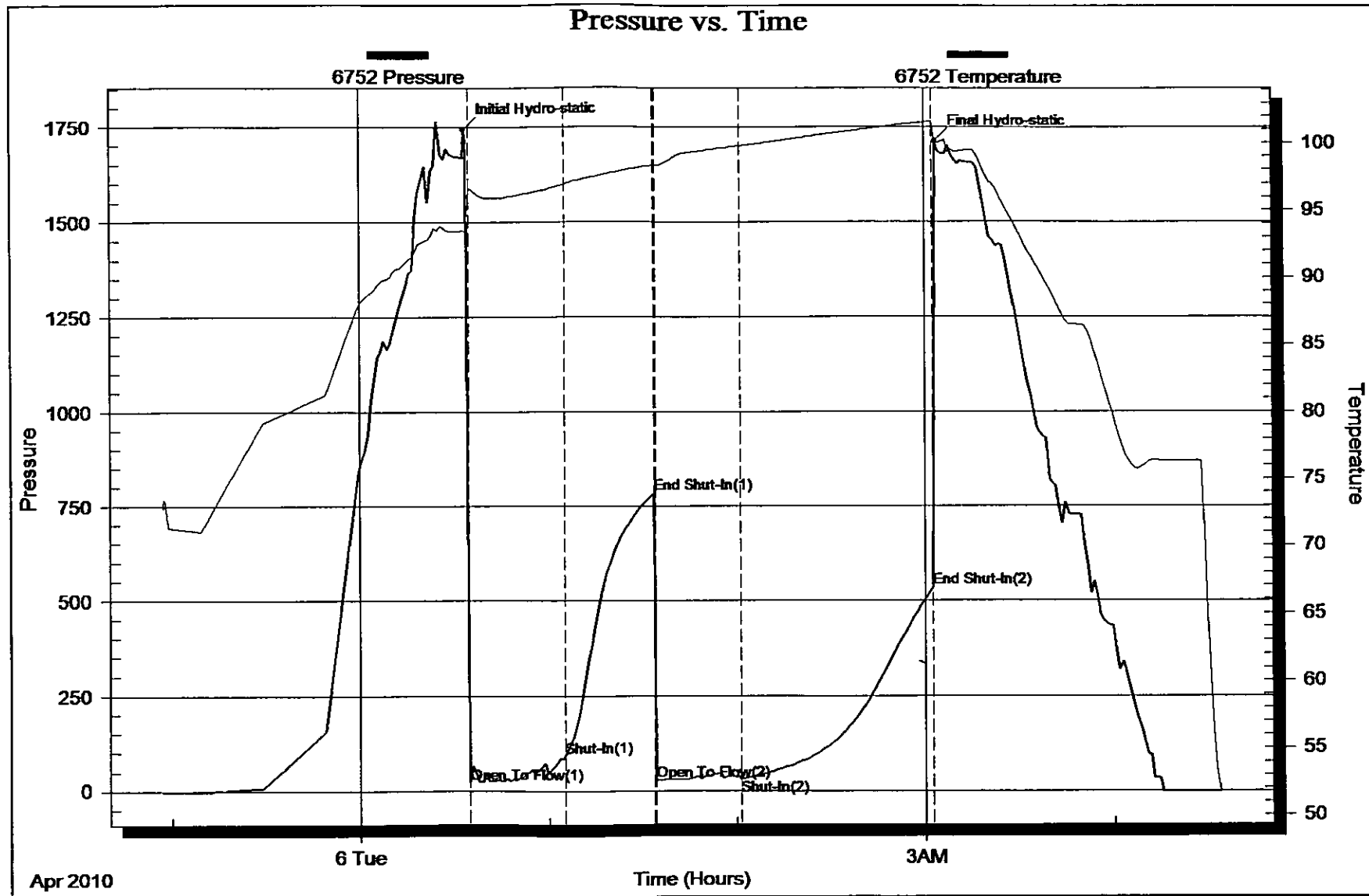
Num Gas Bombs: 0

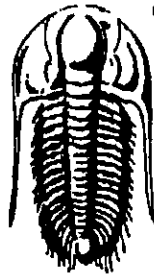
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil Specs on top of tool





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water STE.300
Wichita KS 67202

ATTN: Paul Gunzelman

34-3-27 Decatur KS

Fox A #1-34

Start Date: 2010.04.06 @ 12:05:05

End Date: 2010.04.06 @ 17:20:59

Job Ticket #: 38856 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company, Inc

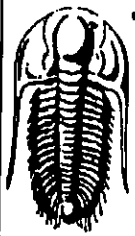
Fox A #1-34

34-3-27 Decatur KS

DST # 4

LNU E-3

2010.04.06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38856

DST#: 4

ATTN: Paul Gunzelman

Test Start: 2010.04.06 @ 12:05:05

GENERAL INFORMATION:

Formation: LKC "E-G"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:29:30

Time Test Ended: 17:20:59

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 36

Interval: 3510.00 ft (KB) To 3561.00 ft (KB) (TVD)

Total Depth: 3561.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2549.00 ft (KB)

2544.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 19.10 psig @ 3525.00 ft (KB)

Start Date: 2010.04.06

End Date:

2010.04.06

Start Time: 12:05:05

End Time:

17:20:59

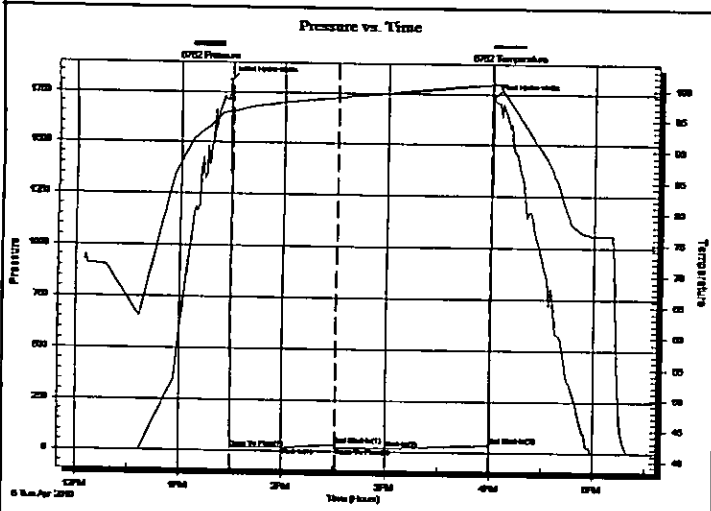
Capacity: 8000.00 psig

Last Calib.: 2010.04.06

Time On Btm: 2010.04.06 @ 13:28:30

Time Off Btm: 2010.04.06 @ 16:00:30

TEST COMMENT: IF:Surface blow built to 3/4" blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

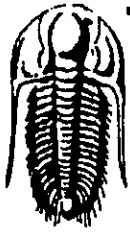
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.23	96.19	Initial Hydro-static
1	16.26	95.86	Open To Flow (1)
32	17.31	97.71	Shut-In(1)
63	35.42	98.61	End Shut-In(1)
63	18.19	98.60	Open To Flow (2)
92	19.10	99.45	Shut-In(2)
151	37.82	100.90	End Shut-In(2)
152	1730.71	101.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MVOS 100% mud had few oil specs	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE 300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38856

DST#: 4

ATTN: Paul Gunzelman

Test Start: 2010.04.06 @ 12:05:05

Tool Information

Drill Pipe:	Length: 3324.00 ft	Diameter: 3.80 inches	Volume: 46.63 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 47.52 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3510.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3493.00	
Hydraulic tool	5.00			3498.00	
Safety Joint	3.00			3501.00	
Packer	5.00			3506.00	22.00 Bottom Of Top Packer
Packer	4.00			3510.00	
Stubb	1.00			3511.00	
Perforations	13.00			3524.00	
Change Over Sub	1.00			3525.00	
Recorder	0.00	6672	Inside	3525.00	
Recorder	0.00	6752	Inside	3525.00	
Blank Spacing	32.00			3557.00	
Change Over Sub	1.00			3558.00	
Bullnose	3.00			3561.00	51.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE 300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38856

DST#: 4

ATTN: Paul Gunzelman

Test Start: 2010.04.06 @ 12:05:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	MMVOS 100% mud had few oil specs	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

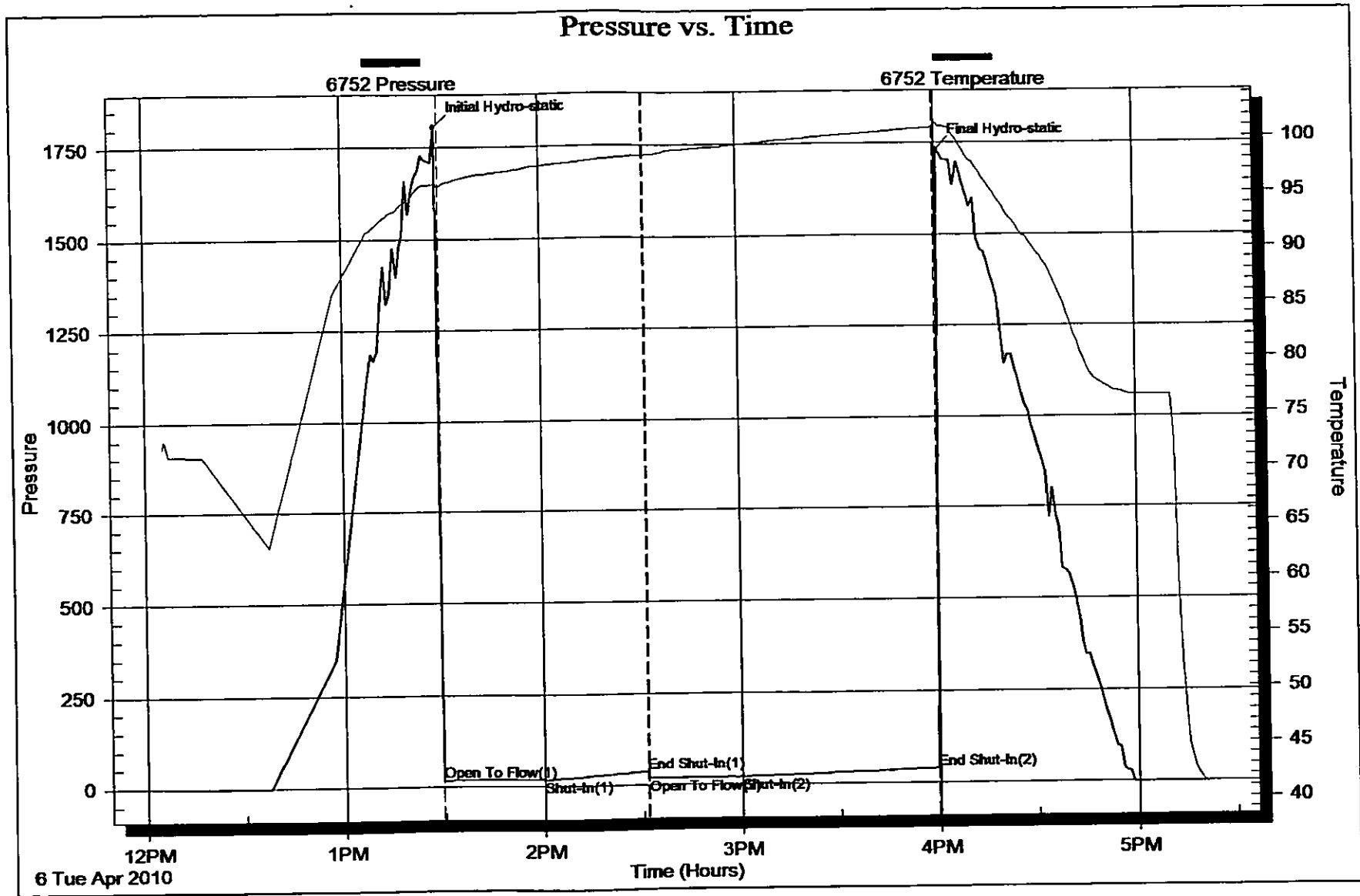
Num Gas Bombs: 0

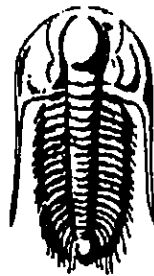
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water STE.300
Wichita KS 67202

ATTN: Paul Gunzelman

34-3-27 Decatur KS

Fox A #1-34

Start Date: 2010.04.07 @ 09:50:00

End Date: 2010.04.07 @ 17:00:00

Job Ticket #: 38005 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company, Inc

Fox A #1-34

34-3-27 Decatur KS

DST # 5

LKC-H,J

2010.04.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE.300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38005

DST#: 5

ATTN: Paul Gunzelman

Test Start: 2010.04.07 @ 09:50:00

GENERAL INFORMATION:

Formation: LKC-H,J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:22:00

Time Test Ended: 17:00:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: 3558.00 ft (KB) To 3649.00 ft (KB) (TVD)

Total Depth: 3649.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2549.00 ft (KB)

2544.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6672

Inside

Press@RunDepth: 48.33 psig @ 3561.00 ft (KB)

Start Date: 2010.04.07

End Date:

2010.04.07

Start Time: 09:50:05

End Time:

16:59:59

Capacity: 8000.00 psig

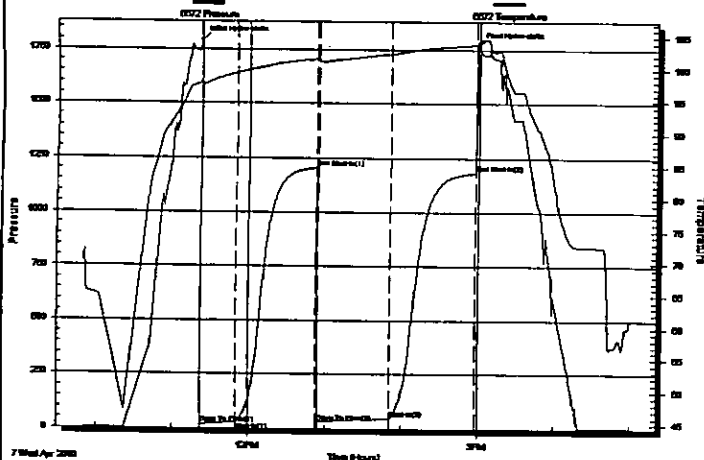
Last Calib.: 2010.04.07

Time On Btm: 2010.04.07 @ 11:21:30

Time Off Btm: 2010.04.07 @ 14:58:59

TEST COMMENT: IF: Weak blow built to 2 1/2 in. over 30 mins.
IS: No blow back over 60 mins.
FF: Weak blow built to 4 in. over 60 mins.
FS: No blow back over 60 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.34	98.33	Initial Hydro-static
1	20.44	97.57	Open To Flow (1)
29	29.58	99.38	Shut-In(1)
92	1203.19	101.57	End Shut-In(1)
93	30.41	101.10	Open To Flow (2)
150	48.33	102.42	Shut-In(2)
217	1180.39	103.78	End Shut-In(2)
218	1768.75	104.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gmco-5%g30%m65%o	0.30
20.00	go-10%g90%o	0.10

Gas Rates

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



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE 300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38005

DST#: 5

ATTN: Paul Gunzelman

Test Start: 2010.04.07 @ 09:50:00

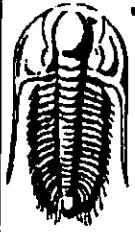
Tool Information

Drill Pipe:	Length: 3384.00 ft	Diameter: 3.80 inches	Volume: 47.47 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.36 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3558.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3541.00	
Hydraulic tool	5.00			3546.00	
Safety Joint	3.00			3549.00	
Packer	5.00			3554.00	22.00 Bottom Of Top Packer
Packer	4.00			3558.00	
Stubb	1.00			3559.00	
Perforations	1.00			3560.00	
Change Over Sub	1.00			3561.00	
Recorder	0.00	6672	Inside	3561.00	
Recorder	0.00	6752	Inside	3561.00	
Blank Spacing	64.00			3625.00	
Change Over Sub	1.00			3626.00	
Perforations	20.00			3646.00	
Bullnose	3.00			3649.00	91.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company, Inc

Fox A #1-34

250 N Water STE 300
Wichita KS 67202

34-3-27 Decatur KS

Job Ticket: 38005

DST#: 5

ATTN: Paul Gunzelman

Test Start: 2010.04.07 @ 09:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	34.1 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gmco-5%g30%m65%o	0.295
20.00	go-10%g90%o	0.098

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

