

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

11/8/10

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: Bob Stolzle
Purchaser: MV Purchasing

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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 #:

08/19/10 08/27/10 09/10/10
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 153-20886-0000
Spot Description:
N2 SW NW SW Sec. 25 Twp. 05 S. R. 31 East West
1750 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rawlins
Lease Name: Cheney Trust A Well #: 3-25
Field Name: Cheney Trust
Producing Formation: LKC
Elevation: Ground: 2947 Kelly Bushing: 2952
Total Depth: 4300 Plug Back Total Depth: 4272
Amount of Surface Pipe Set and Cemented at: 260 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2650 Feet
If Alternate II completion, cement circulated from: None
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 #:

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: [Signature]
Title: VP Production Date: 11/08/10

KCC Office Use ONLY
 Letter of Confidentiality Received Date: 11/8/10 - 11/8/10 RECEIVED
 Confidential Release Date: NOV 10 2010
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: [Signature] KCC WICHITA Date: 11/10/10

Operator Name: Murfin Drilling Company, Inc. Lease Name: Cheney Trust A Well #: 3-25
 Sec. 25 Twp. 05 S. R. 31 East West County: Rawlins

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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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	260	Common	175	3% cc, 2% gel
Production		5 1/2	15.5	4294	EA-2	175	

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	4005-4012 LKC "D"	350 gal 15% MCA	

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TUBING RECORD: Size: <u>2-7/8</u> Set At: <u>4025</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	KCC WICHITA		
Date of First, Resumed Production, SWD or ENHR. <u>09/28/10</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>NA</u>	Gas Mcf	Water Bbls. <u>311</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>4005-4012</u>
--	--	--

MDCI Cheney Trust 'A' #3-25 1750 FSL 330 FWL Sec. 25-T5S-R31W 2952' KB							MDCI Cheney Trust 'A' #2-25 1200 FSL 1150 FWL Sec. 25-T5S-R31W 2935' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2642	+310	-3	2646	+306	-7	2622	+313
B/Anhydrite	2687	+265	-13	2680	+272	-6	2657	+278
Topeka	3747	-795	-11	3744	-792	-8	3719	-784
Heebner	3918	-966	-11	3916	-964	-9	3890	-955
Lansing	3967	-1015	-12	3965	-1013	-10	3938	-1003
Stark	4140	-1188	-9	4136	-1184	-5	4114	-1179
BKC	4192	-1240	-8	4190	-1238	-8	4167	-1232
Pawnee							4280	-1345
Cherokee							4342	-1407
Mississippi							NDE	NDE
RTD	4300						4450	
LTD				4299			4449	

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PO BOX 31 Russell, KS 67665

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

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INVOICE

Invoice Number: 124132
 Invoice Date: Aug 19, 2010
 Page: 1

PROD COPY

acct. Lij

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

*operator pay
 mdc
 Cheney Trust A 3-25 / om*

Customer ID	Well Name # or Customer P.O.	Payment Terms	
Murfin	Cheney Trust A#3-25	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 19, 2010	9/18/10

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	15.45	2,703.75
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
184.00	SER	Handling	2.40	441.60
45.00	SER	Mileage 184 sx @ .10 per sk per mi	18.40	828.00
1.00	SER	Surface	1,018.00	1,018.00
45.00	SER	Pump Truck Mileage	7.00	315.00

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Account	Unit Rig	W L	No.	Amount	Description
03600	008	W	3733	5968.94 (2001.28)	Cement S. (Csg.)
Subtotal					5,717.95
Sales Tax					250.79
Total Invoice Amount					5,968.74
Payment/Credit Applied					
TOTAL					5,968.74

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

2001.28

ONLY IF PAID ON OR BEFORE
 Sep 13, 2010

-2001.28
3967.46

ALLIED CEMENTING CO., LLC. 039074

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

SERVICE POINT:
Oakley

DATE <u>8-19-10</u>	SEC <u>25</u>	TWP <u>6s</u>	RANGE <u>3/W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00pm</u>	JOB FINISH <u>7:30am</u>
Cheney	LEASE <u>PLATA</u>	WELL # <u>3-25</u>	LOCATION <u>REXFORD</u>	<u>7N 1W</u>	COUNTY <u>Rawlins</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>1/4 N CINTO</u>				

CONTRACTOR <u>Murfin Drilling Rig &</u>	OWNER <u>same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>260</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>260</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>15.60 bbl</u>	

CEMENT		
AMOUNT ORDERED <u>175 sks com</u>		
<u>3600 29 gal</u>		
COMMON <u>175 sks</u>	@ <u>15.45</u>	<u>2703.25</u>
POZMIX	@	
GEL <u>3 sks</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE <u>6 sks</u>	@ <u>58.00</u>	<u>348.00</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>184 sks</u>	@ <u>2.40</u>	<u>441.60</u>
MILEAGE <u>100 sk/miles</u>		<u>828.00</u>
TOTAL		<u>4384.25</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Andrew</u>
# <u>423-281</u>	HELPER <u>Lorene</u>
BULK TRUCK	
# <u>347</u>	DRIVER <u>Darrin</u>
BULK TRUCK	
#	DRIVER

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Murfin

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB <u>260'</u>	
PUMP TRUCK CHARGE	<u>1018.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>45 miles</u>	@ <u>7.00</u> <u>315.00</u>
MANIFOLD	@
	@
	@
TOTAL	<u>1333.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

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

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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Arctz —

cc: wt
cc: Liz
cc: Page Leon



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



Invoice

DATE	INVOICE #
8/27/2010	18212

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

USED FOR NEW WELL

APPROVED [Signature]

• Acidizing

• Cement

• Tool Rental

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TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3-25	Cheney Trust...	Rawlins	Company Tools	Oil	Development	LongString	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	5.00	350.00
578D-L	Pump Charge - Long String - 4300 Feet	1	Job	1,400.00	1,400.00
276	Flocele	50	Lb(s)	1.50	75.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
402-5	5 1/2" Centralizer	13	Each	55.00	715.00T
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	19	Each	40.00	760.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
419-5	5 1/2" Rotating Head Rental	1	Each	150.00	150.00T
325	Standard Cement	225	Sacks	12.00	2,700.00T
283	Salt	1,150	Lb(s)	0.15	172.50T
284	Calseal	11	Sack(s)	30.00	330.00T
285	CFR-1	150	Lb(s)	4.00	600.00T
277	Gilsonite (Coal Seal)	1,150	Lb(s)	0.40	460.00T
581D	Service Charge Cement	225	Sacks	1.50	337.50
583D	Drayage	866	Ton Miles	1.00	866.00
	Subtotal				13,136.00
	Sales Tax Rawlins County			8.05%	819.69

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We Appreciate Your Business!

Total

\$13,955.69



CHARGE TO: Martin Drlg Co, Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

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TICKET
 18212

PAGE	OF
1	2

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

WELL/PROJECT NO: A #3-25 LEASE: Cherry Trust COUNTY/PARISH: Rawlins STATE: Ks CITY: _____ DATE: 8-27-10 OWNER: same

TICKET TYPE: SERVICE SALES CONTRACTOR: Co Teels #8 RIG NAME/NO: _____ SHIPPED VIA: ET DELIVERED TO: location ORDER NO: _____

WELL TYPE: oil WELL CATEGORY: development JOB PURPOSE: longstring WELL PERMIT NO: _____ WELL LOCATION: _____

REFERRAL LOCATION: _____ INVOICE INSTRUCTIONS: _____

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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	70	mi			5 ⁰⁰	350 ⁰⁰
578		1			Pump Charge (Longstring)	1	ea	4300	1	1400 ⁰⁰	1400 ⁰⁰
276		7			Floacle	50	#			1 ⁵⁰	75 ⁰⁰
221		1			KCL	4	gal			25 ⁰⁰	100 ⁰⁰
280		1			Flocheck-21	500	gal			2 ⁵⁰	1250 ⁰⁰
402		1			Centralizers	13	ea	5 1/2"		55 ⁰⁰	715 ⁰⁰
403		1			Baskets	2	ea			200 ⁰⁰	400 ⁰⁰
404		1			Port Collar	1	ea			1900 ⁰⁰	1900 ⁰⁰
406		1			LD Plug & Baffle	1	ea			225 ⁰⁰	225 ⁰⁰
407		1			Insert Float Shoe w/ Pill	1	ea			275 ⁰⁰	275 ⁰⁰
413		1			Rotewall Scratchers	18	ea			40 ⁰⁰	720 ⁰⁰
290		1			D-Air	2	gal			35 ⁰⁰	70 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 Bruce Miles
 DATE SIGNED: 8-28-10 TIME SIGNED: 0455 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	7520 ⁰⁰
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	5616 ⁰⁰
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9046⁰⁰ 13,136 ⁰⁰
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rawlins TAX 8.05%	819 ⁶⁹
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	13,955 ⁶⁹
<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 Kordo APPROVAL: _____

Thank You!



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

TICKET CONTINUATION

TICKET No. **18212**

CUSTOMER **Martin Dr. & Co. Inc** WELL **Cherry Trust A 3-25** DATE **8-27-10** PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY.	UM	QTY.	UM		
419		1				Rotating Head	1	ea	5 ³ / ₄	"	150 ⁰⁰	150 ⁰⁰
325		2				Standard Cement	225	sks			12 ⁰⁰	2700 ⁰⁰
283		2				Salt	1150	#	10	%	15	17250
284		2				Calsol	11	sks	5	%	30 ⁰⁰	330 ⁰⁰
285		2				CFR-1	150	#	7	%	4 ⁰⁰	600 ⁰⁰
277		2				Gilscrite	1150	#			40	460 ⁰⁰
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581		2				SERVICE CHARGE					150	337 ⁵⁰
583		2				MILEAGE CHARGE	24	150	LOADED MILES	70	TON MILES	866
CONTINUATION TOTAL											5616 ⁰⁰	

JOB LOG

SWIFT Services, Inc.

DATE 8-27-10 PAGE NO. 1

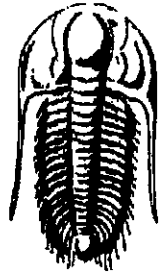
CUSTOMER: *Marfin Drilling Co Inc* WELL NO: *A3-25* LEASE: *Cheney Trust* JOB TYPE: *Longstring* TICKET NO: *18212*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1630							on loc w/ FE
								RTD 4300'
								5 1/2" x 15.5' x 4294' x 22'
								Cent 1-12, 38
								Basket 38, 39
								P.O. 39 @ 2653'
								19 scratchers
	2115							start FE
	2315							Break Circ.
0400	0005	4.5	0			200		Start KCL flush - start - open
	0404	4.5	15/0			200		Start Flocheck motor caught fire/shut down
	0407	4.5	12/0			200		Start KCL flush want on tank
	0408	5.5	5/0			250		Start Cement
	0415		43					End Cement
								Wash P&L
								Drop LD Plug
	0418	6.5	0			200		Start Displacement
	0430	5	78			250		Catch Cement
	0435		101.6			750 / 1500		Land Plug
								Release Pressure
								Float Held
	0440	2.5	7/5					Plug RH+MH

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Thank you
Nick, Josh F, Joe



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Bob Stolze

25/5s/31w Rawlins KS

Cheney Trust 'A' #3-25

Start Date: 2010.08.24 @ 14:35:00

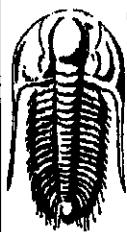
End Date: 2010.08.24 @ 19:13:30

Job Ticket #: 38390 DST #: 1

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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 Co., Inc.
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Bob Stolze

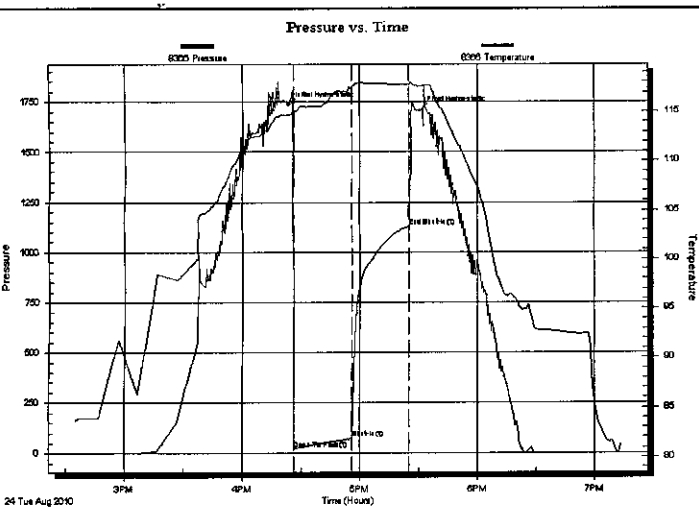
Cheney Trust 'A' #3-25
25/5s/31w Rawlins KS
Job Ticket: 38390 **DST#: 1**
Test Start: 2010.08.24 @ 14:35:00

GENERAL INFORMATION:

Formation: **Toronto - Lans. "A &**
Deviated: **No Whipstock:** ft (KB) Test Type: **Conventional Bottom Hole**
Time Tool Opened: **16:26:00** Tester: **James Winder**
Time Test Ended: **19:13:30** Unit No: **46**
Interval: **3915.00 ft (KB) To 4000.00 ft (KB) (TVD)** Reference Elevations: 2952.00 ft (KB)
Total Depth: **4000.00 ft (KB) (TVD)** 2947.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: **5.00 ft**

Serial #: 8366 Inside
Press@RunDepth: 74.08 psig @ 3916.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.08.24 End Date: 2010.08.24 Last Calib.: 2010.08.24
Start Time: 14:35:05 End Time: 19:13:29 Time On Btm: 2010.08.24 @ 16:23:30
Time Off Btm: 2010.08.24 @ 17:31:00

TEST COMMENT: Hole lost Circulation - Couldn't get hole full
IF: Blow built to 5 1/2"
IS: Bled off, No blow back
Pulled tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.16	114.67	Initial Hydro-static
3	22.75	114.90	Open To Flow (1)
33	74.08	117.40	Shut-In(1)
62	1129.40	117.76	End Shut-In(1)
68	1707.33	117.60	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	OCM 77% m, 18% o, 5% g	0.30
60.00	OCM 84% m, 8% o, 8% g	0.30

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

Cheney Trust 'A' #3-25

250 N. Water Suite 300
Wichita, KS 67202

25/5s/31w Rawlins KS

Job Ticket: 38390

DST#: 1

ATTN: Bob Stolze

Test Start: 2010.08.24 @ 14:35:00

Tool Information

Drill Pipe:	Length: 3729.00 ft	Diameter: 3.80 inches	Volume: 52.31 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 53.19 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3915.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	85.00 ft				
Tool Length:	113.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Hole was full before picking up head joint
Lost circulation as we set tool - Couldn't get hole full again

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3892.00	
Hydraulic tool	5.00			3897.00	
Jars	5.00			3902.00	
Safety Joint	3.00			3905.00	
Packer	5.00			3910.00	28.00 Bottom Of Top Packer
Packer	5.00			3915.00	
Stubb	1.00			3916.00	
Recorder	0.00	8366	Inside	3916.00	
Recorder	0.00	8320	Inside	3916.00	
Perforations	15.00			3931.00	
Blank Spacing	64.00			3995.00	
Perforations	2.00			3997.00	
Bullnose	3.00			4000.00	85.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Cheney Trust 'A' #3-25

250 N. Water Suite 300
Wichita, KS 67202

25/5s/31w Rawlins KS

Job Ticket: 38390

DST#: 1

ATTN: Bob Stolzie

Test Start: 2010.08.24 @ 14:35:00

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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

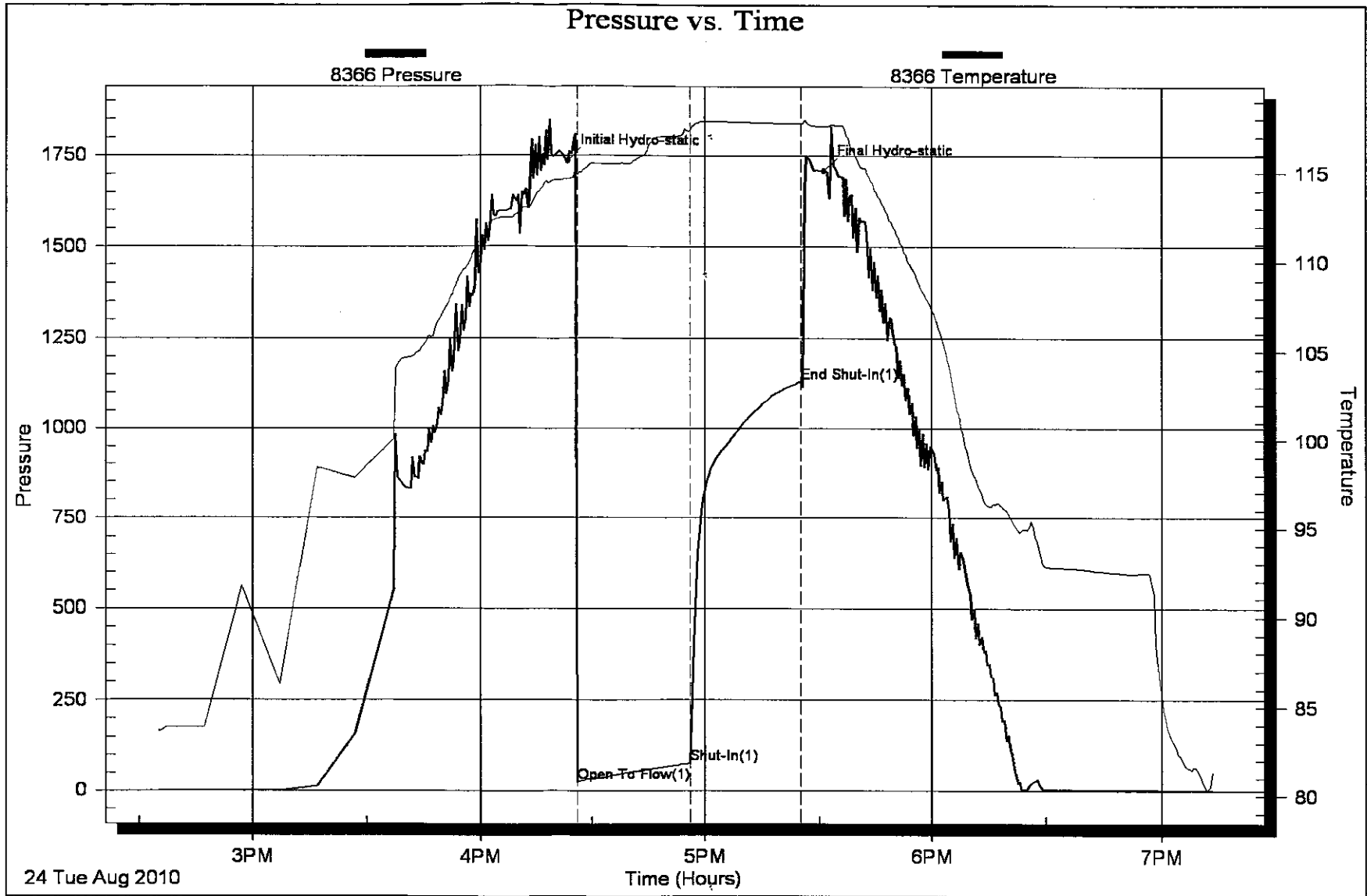
Length ft	Description	Volume bbl
60.00	OCM 77% _m , 18% _o , 5% _g	0.295
60.00	OCM 84% _m , 8% _o , 8% _g	0.295

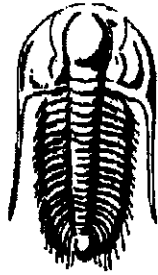
Total Length: 120.00 ft Total Volume: 0.590 bbl

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 Co., Inc.**

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Bob Stolze

25/5s/31w Rawlins KS

Cheney Trust 'A' #3-25

Start Date: 2010.08.25 @ 10:39:00

End Date: 2010.08.25 @ 19:05:30

Job Ticket #: 38391 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co., Inc.

Cheney Trust 'A' #3-25

25/5s/31w Rawlins KS

DST # 2

Lans. "F"

2010.08.25



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., inc.
250 N. Water Suite 300
Wichita, KS 67202
ATTN: Bob Stolze

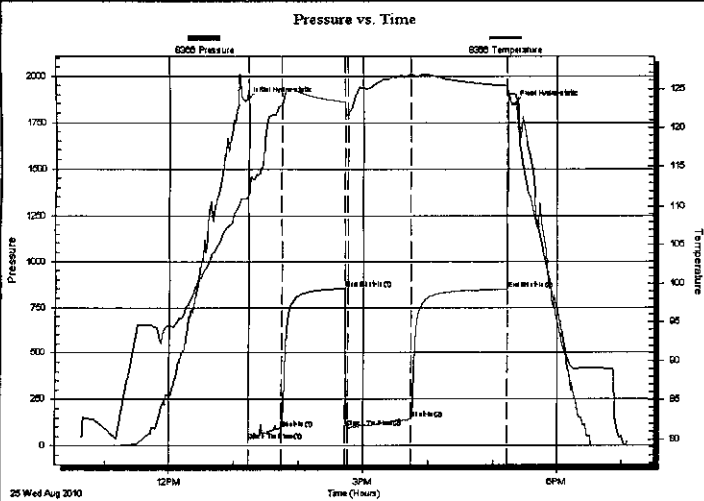
Cheney Trust 'A' #3-25
25/5s/31w Rawlins KS
Job Ticket: 38391 DST#: 2
Test Start: 2010.08.25 @ 10:39:00

GENERAL INFORMATION:

Formation: **Lans. "F"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 13:14:00
Time Test Ended: 19:05:30
Interval: **4021.00 ft (KB) To 4045.00 ft (KB) (TVD)**
Total Depth: **4045.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **James Winder**
Unit No: **46**
Reference Elevations: **2952.00 ft (KB)**
2947.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8366 **Inside**
Press@RunDepth: **142.08 psig @ 4022.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.08.25** End Date: **2010.08.25** Last Calib.: **2010.08.25**
Start Time: **10:39:05** End Time: **19:05:29** Time On Btm: **2010.08.25 @ 13:11:00**
Time Off Btm: **2010.08.25 @ 17:19:00**

TEST COMMENT: IF: Blow built to BOB in 27 min.
IS: Bled off, Blow back built to 1/8", dead @ 18 min.
FF: Blow built to BOB in 23 min.
FS: Bled off, Blow back built to 2 1/4" in 20 min., dead @ 67 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.89	110.95	Initial Hydro-static
3	27.84	111.10	Open To Flow (1)
33	89.26	122.90	Shut-In(1)
93	852.14	123.27	End Shut-In(1)
95	95.28	121.84	Open To Flow (2)
153	142.08	126.78	Shut-In(2)
243	847.78	125.37	End Shut-In(2)
248	1848.33	124.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	GWOCM 57% <i>m</i> , 22% <i>o</i> , 12% <i>g</i> , 9% <i>w</i>	0.58
60.00	GOM 44% <i>m</i> , 41% <i>o</i> , 15% <i>g</i>	0.30
140.00	CGO 69% <i>o</i> , 27% <i>g</i> , 4% <i>m</i>	1.96
0.00	GIP = 225'	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Bob Stolze

Cheney Trust 'A' #3-25

25/5s/31w Rawlins KS

Job Ticket: 38391

DST#: 2

Test Start: 2010.08.25 @ 10:39:00

Tool Information

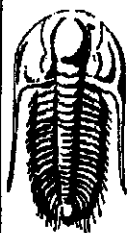
Drill Pipe:	Length: 3824.00 ft	Diameter: 3.80 inches	Volume: 53.64 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 54.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4021.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3998.00	
Hydraulic tool	5.00			4003.00	
Jars	5.00			4008.00	
Safety Joint "	3.00			4011.00	" "
Packer	5.00			4016.00	28.00 Bottom Of Top Packer
Packer	5.00			4021.00	
Stubb	1.00			4022.00	
Recorder	0.00	8366	Inside	4022.00	
Recorder	0.00	8320	Inside	4022.00	
Perforations	20.00			4042.00	
Bullnose	3.00			4045.00	24.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Cheney Trust 'A' #3-25

250 N. Water Suite 300
Wichita, KS 67202

25/5s/31w Rawlins KS

Job Ticket: 38391

DST#: 2

ATTN: Bob Stolzie

Test Start: 2010.08.25 @ 10:39:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 69.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	GWOCM 57% <i>m</i> , 22% <i>o</i> , 12% <i>g</i> , 9% <i>w</i>	0.580
60.00	GOM 44% <i>m</i> , 41% <i>o</i> , 15% <i>g</i>	0.295
140.00	CGO 69% <i>o</i> , 27% <i>g</i> , 4% <i>m</i>	1.964
0.00	GIP = 225'	0.000

Total Length: 318.00 ft Total Volume: 2.839 bbl

Num Fluid Samples: 0

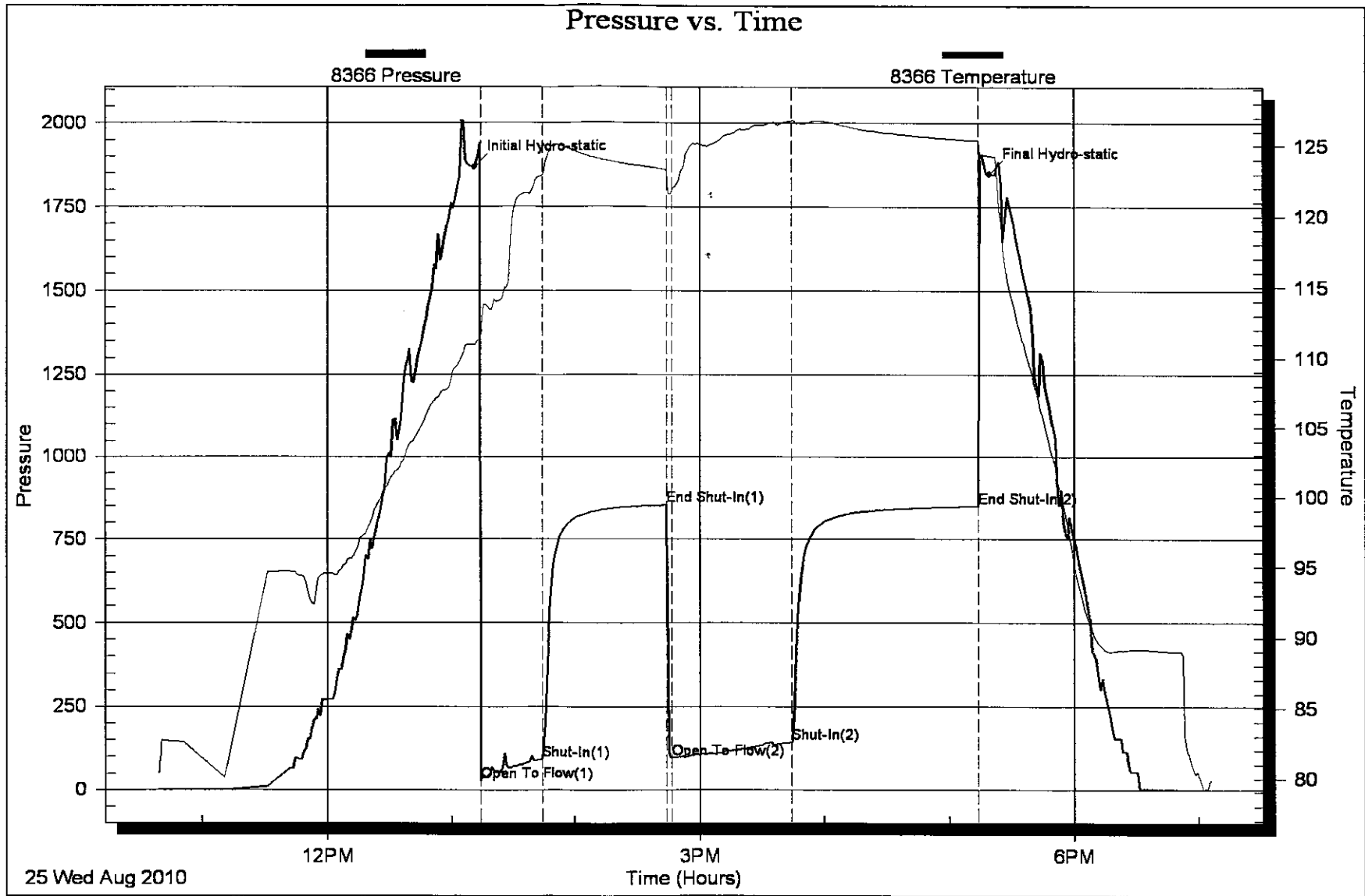
Num Gas Bombs: 0

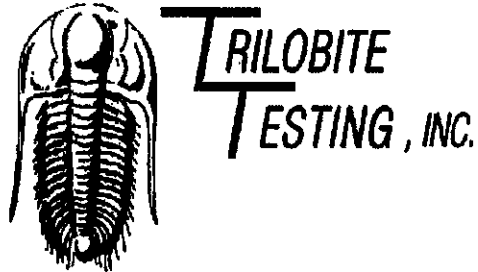
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 36.6 @ 86F





DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Bob Stolze

25/5s/31w Rawlins KS

Cheney Trust 'A' #3-25

Start Date: 2010.08.26 @ 11:22:00

End Date: 2010.08.26 @ 19:24:00

Job Ticket #: 38392 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co., Inc.

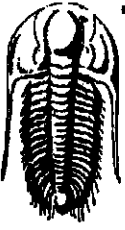
Cheney Trust 'A' #3-25

25/5s/31w Rawlins KS

DST # 3

Lans. "J-K"

2010.08.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Bob Stozle

Cheney Trust 'A' #3-25

25/5s/31w Rawlins KS

Job Ticket: 38392

DST#: 3

Test Start: 2010.08.26 @ 11:22:00

GENERAL INFORMATION:

Formation: **Lans. "J - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:44:00

Time Test Ended: 19:24:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **4104.00 ft (KB) To 4175.00 ft (KB) (TVD)**

Total Depth: 4175.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2952.00 ft (KB)

2947.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 57.13 psig @ 4105.00 ft (KB)

Start Date: 2010.08.26

End Date: 2010.08.26

Start Time: 11:22:05

End Time: 19:23:59

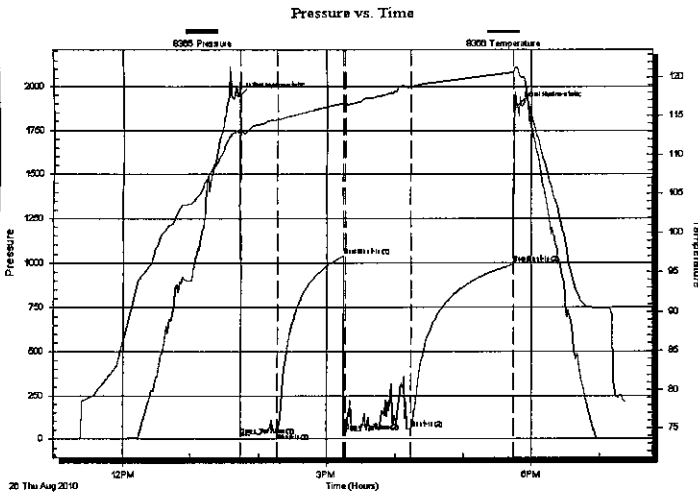
Capacity: 8000.00 psig

Last Calib.: 2010.08.26

Time On Btm: 2010.08.26 @ 13:42:00

Time Off Btm: 2010.08.26 @ 17:47:30

TEST COMMENT: IF: Blow built to 1 1/4"
IS: Bled off, No blow back
FF: Blow started @ 26 min., Surface blow through open
FSI: Bled off, No blow back



PRESSURE SUMMARY

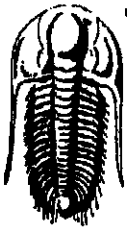
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1945.06	112.85	Initial Hydro-static
2	21.27	112.67	Open To Flow (1)
35	35.44	114.48	Shut-In(1)
92	1036.69	116.60	End Shut-In(1)
94	40.43	116.56	Open To Flow (2)
152	57.13	118.75	Shut-In(2)
242	990.74	120.61	End Shut-In(2)
246	1891.64	121.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SOCM 99% _m , 1% _o	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

Cheney Trust 'A' #3-25

250 N. Water Suite 300
Wichita, KS 67202

25/5s/31w Rawlins KS

Job Ticket: 38392

DST#: 3

ATTN: Bob Stolze

Test Start: 2010.08.26 @ 11:22:00

Tool Information

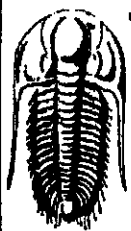
Drill Pipe:	Length: 3918.00 ft	Diameter: 3.80 inches	Volume: 54.96 bbl	Tool Weight: 2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 55.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4104.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Some tool plugging through both opens

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4081.00	
Hydraulic tool	5.00			4086.00	
Jars	5.00			4091.00	
Safety Joint	3.00			4094.00	
Packer	5.00			4099.00	28.00 Bottom Of Top Packer
Packer	5.00			4104.00	
Stubb	1.00			4105.00	
Recorder	0.00	8366	Inside	4105.00	
Recorder	0.00	8320	Inside	4105.00	
Perforations	30.00			4135.00	
Blank Spacing	33.00			4168.00	
Perforations	4.00			4172.00	
Bullnose	3.00			4175.00	71.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Cheney Trust 'A' #3-25
25/5s/31w Rawlins KS
Job Ticket: 38392 **DST#: 3**
Test Start: 2010.08.26 @ 11:22:00

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: 67.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SOCM99% _m , 1% _o	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

