

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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AUG 20 2010

8/19/12

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
ORIGINAL

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: Tom Funk
Purchaser: None

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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>06/22/10</u>	<u>06/28/10</u>	<u>06/29/10</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 109-20915-0000

Spot Description: _____

SE SW NW NW Sec. 30 Twp. 12 S. R. 32 East West

1,115 Feet from North / South Line of Section

635 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Logan

Lease Name: Stoecker G&M Well #: 1-30

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 3042 Kelly Bushing: 3052

Total Depth: 4690 Plug Back Total Depth: None

Amount of Surface Pipe Set and Cemented at: 213 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 8/19/10 - 8/19/2012
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: PJA Dg Date: 8/23/10

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: 08/19/10

Operator Name: Murfin Drilling Company, Inc. Lease Name: Stoecker G&M Well #: 1-30
 Sec. 30 Twp. 12 S. R. 32 East West County: Logan

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#	213	Common	213	3% cc, 2% gel

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours Oil Bbls. _____ Gas Mcf _____ Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

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

Stoecker G&M #1-30 1115 FNL 635 FWL Sec. 30-T12S-R32W 3052' KB						Stoecker Unit #1-25 2310' FNL 2500' FEL Sec. 25-T12S-R33W 3066' KB		
Formation	SampleTops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2549	+503	-9	2548	+504	-8	2554	+512
B/Anhydrite	2571	+481	-8	2572	+480	-9	2577	+489
Topeka	3766	-714	-9	3767	-715	-10	3771	-705
Heebner	3987	-935	-5	3988	-936	-6	3996	-930
Lansing	4026	-977	-5	4028	-979	-7	4038	-972
Muncie Crk	4178	-1126	-3	4180	-1128	-5	4189	-1123
Stark	4260	-1208	-5	4261	-1209	-6	4269	-1203
Marmaton	4360	-1308	Flat	4362	-1310	-2	4374	-1308
Up Pawnee	4453	-1401	-1	4453	-1401	-1	4466	-1400
Ft. Scott	4506	-1454	+1	4508	-1456	-1	4521	-1455
Johnson	4577	-1525	+2	4579	-1527	Flat	4593	-1527
Mississippi	4633	-1681	+4	4620	-1568	+17	4651	-1585
RTD	4690						4715	
LTD				4691			4718	

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KCC WICHITA



August 19, 2010

Kansas Corporation Commission
Conservation Division
130 S Market, Room 2078
Wichita, Ks 67202

Re: **Confidential Filing:** ACO-1
API #15-109-20915-0000
Stoecker G&M 1-30

To Whom It May Concern:

We are requesting the above referenced well to be held confidential for the maximum of two years.
Let me know if you need any further information on this.

Sincerely,

A handwritten signature in black ink, appearing to read "Elisabeth Heibel", is written over a white background.

Elisabeth Heibel

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KCC WICHITA



PO BOX 31 Russell, KS 67665

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

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acct. list
INVOICE

Invoice Number: 123215

Invoice Date: Jun 22, 2010

Page: 1

PROD COPY

Bill To:

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

KCC

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Operator Pay

MOC

Stoecker G-m 1-30

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Stoecker G-m 1-30	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jun 22, 2010	7/22/10

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
1.00	SER	Handling Mileage Charge	312.00	312.00
1.00	SER	Surface	1,018.00	1,018.00
14.00	SER	Pump Truck Mileage	7.00	98.00
		<i>015M</i>		
<i>03600</i>	<i>01440</i>	<i>3687</i>	<i>5181.22</i>	<i>(1744.73)</i>
			<i>Cement S.</i>	<i>CS</i>

Subtotal	4,984.95
Sales Tax	196.27
Total Invoice Amount	5,181.22
Payment/Credit Applied	
TOTAL	5,181.22

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

\$ 1744.73

35%

ONLY IF PAID ON OR BEFORE

Jul 17, 2010

1744.73

1744.73

3436.49



PO BOX 31 Russell, KS 67665

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

acct. Serv.
INVOICE

Invoice Number: 123326

Invoice Date: Jun 29, 2010

Page: 1

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

PROD COPY

*operator pay
moc
/bn*

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Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Stoecker G-M #1-30	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jun 29, 2010	7/29/10

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	15.45	2,039.40
88.00	MAT	Pozmix	8.00	704.00
8.00	MAT	Gel	20.80	166.40
55.00	MAT	Flo Seal	2.50	137.50
230.00	SER	Handing	2.40	552.00
14.00	SER	Mileage 230 sx @ .10 per sk per mi	23.00	322.00
1.00	SER	Plug to Abandon	1,017.00	1,017.00
14.00	SER	Pump Truck Mileage	7.00	98.00
1.00	EQP	8.5/8 Plug	39.00	39.00

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Account	Qty	Unit Price	Amount	Description
03600 014 20 3687			5395.04 (1776.36)	PTA

Subtotal	5,075.30
Sales Tax	319.74
Total Invoice Amount	5,395.04
Payment/Credit Applied	
TOTAL	5,395.04

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

\$ 1776.36

ONLY IF PAID ON OR BEFORE
Jul 24, 2010

*1776.36
3618.68*

ALLIED CEMENTING CO., LLC. 038931

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

SERVICE POINT:
On Hwy KS

6-29-10	SEC. 25	TWP. 12	RANGE 33	CALLED OUT	ON LOCATION 12:00 pm	JOB START 3:00 pm	JOB FINISH 3:30 pm
DATE							
Shoe Kee E	G.M						
LEASE	WELL# 1-30	LOCATION <u>On Hwy 95.4w. 145</u>			COUNTY Logan	STATE KS	
OLD OR <u>NEW</u> (Circle one)				<u>250</u>			

CONTRACTOR Murphy #14

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4690'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4" 2 DEPTH 2560'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzly

431 HELPER Kelly

BULK TRUCK

377 DRIVER Terry

BULK TRUCK

_____ DRIVER _____

REMARKS:

25 sk @ 2560'

100 sks @ 1600'

40 sks @ 270'

10 sk @ 40' w/plus

15 sks mof

30 sks 2H

Job complete @ 3:15 pm

Thanks Fuzzly + crew

CHARGE TO: Murphy Bldg.

STREET _____

CITY _____ STATE _____ ZIP _____

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

PRINTED NAME Greg Linnick

SIGNATURE Greg Linnick

OWNER _____

CEMENT AMOUNT ORDERED 220 60140 490

gel 114 + Closeal

COMMON	<u>132</u>	@ <u>15.45</u>	<u>2039.40</u>
POZMIX	<u>88</u>	@ <u>8.00</u>	<u>704.00</u>
GEL	<u>8</u>	@ <u>20.00</u>	<u>166.40</u>
CHLORIDE		@	
ASC		@	
<u>Closeal</u>	<u>55</u>	@ <u>2.50</u>	<u>137.50</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>230</u>	@ <u>2.40</u>	<u>552.00</u>
MILEAGE	<u>1025 km</u>	@	<u>322.00</u>
TOTAL			<u>3921.30</u>

SERVICE

DEPTH OF JOB 2560'

PUMP TRUCK CHARGE 1017.00

EXTRA FOOTAGE @ _____

MILEAGE 14 @ 7.00 98.00

MANIFOLD @ _____

TOTAL 1115.00

PLUG & FLOAT EQUIPMENT

1-8 3/8 plug @ 39.00

TOTAL 39.00

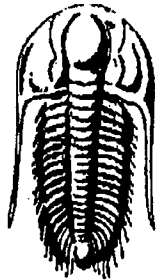
SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Tom Funk

30 12s 32w Logan KS

Stoecker G&M #1-39

Start Date: 2010.06.26 @ 09:56:00

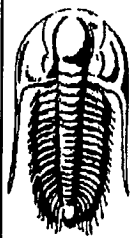
End Date: 2010.06.26 @ 15:49:00

Job Ticket #: 38327 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 STE 300
Wichita, KS 67202

ATTN: Tom Funk

Stoecker G&M #1-39

30 12s 32w Logan KS

Job Ticket: 38327

DST#: 1

Test Start: 2010.06.26 @ 09:56:00

GENERAL INFORMATION:

Formation: LKC "H - J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:01:00

Time Test Ended: 15:49:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 4172.00 ft (KB) To 4255.00 ft (KB) (TVD)

Total Depth: 4255.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3052.00 ft (KB)

3042.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press@RunDepth: 30.02 psig @ 4173.00 ft (KB)

Start Date: 2010.06.26

End Date:

2010.06.26

Start Time: 09:56:05

End Time:

15:48:59

Capacity: 8000.00 psig

Last Calib.: 2010.06.26

Time On Btm: 2010.06.26 @ 12:00:00

Time Off Btm: 2010.06.26 @ 14:02:00

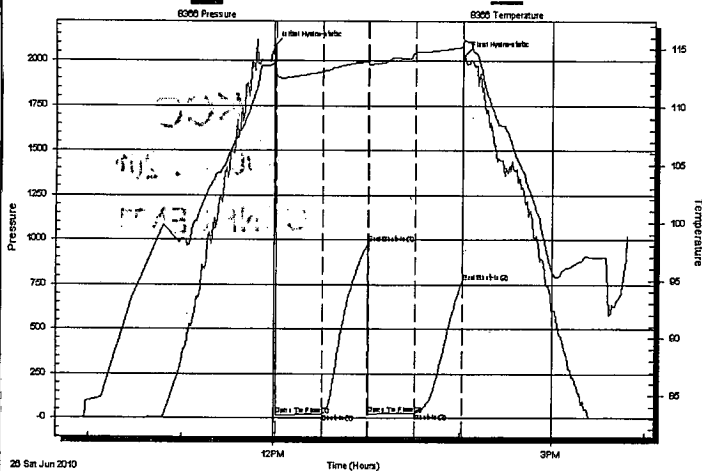
TEST COMMENT: IF: Surface blow, dead @ 13 min.

ISI: No blow back

FF: No blow

FSI: No Blow back

Pressure vs. Time



PRESSURE SUMMARY

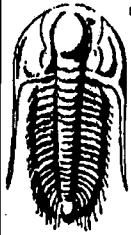
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.69	113.74	Initial Hydro-static
1	16.88	112.74	Open To Flow (1)
31	24.36	113.08	Shut-In(1)
61	978.02	113.97	End Shut-In(1)
61	25.61	113.69	Open To Flow (2)
91	30.02	114.74	Shut-In(2)
121	765.17	115.19	End Shut-In(2)
122	2025.93	115.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 97% m, 3% o	0.07

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 STE 300
Wichita, KS 67202
ATTN: Tom Funk

Stoecker G&M #1-39
30 12s 32w Logan KS
Job Ticket: 38327 DST#: 1
Test Start: 2010.06.26 @ 09:56:00

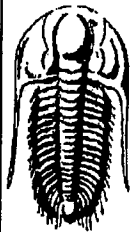
Tool Information

Drill Pipe:	Length: 3613.00 ft	Diameter: 3.80 inches	Volume: 50.68 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: 25000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 86000.00 lb
		Total Volume: 53.34 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4172.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4150.00	
HYD S.I. Tool	5.00			4155.00	
Jars	5.00			4160.00	
Safety Joint	2.00			4162.00	
Packer	5.00			4167.00	27.00 Bottom Of Top Packer
Packer	5.00			4172.00	
Stubb	1.00			4173.00	
Recorder	0.00	8366	Inside	4173.00	
Recorder	0.00	8320	Inside	4173.00	
Perforations	10.00			4183.00	
Blank Spacing	65.00			4248.00	
Perforations	4.00			4252.00	
Bullnose	3.00			4255.00	83.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Stoecker G&M #1-39

250 N Water STE 300
Wichita, KS 67202

30 12s 32w Logan KS

Job Ticket: 38327

DST#: 1

ATTN: Tom Funk

Test Start: 2010.06.26 @ 09:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM 97% m, 3% o	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

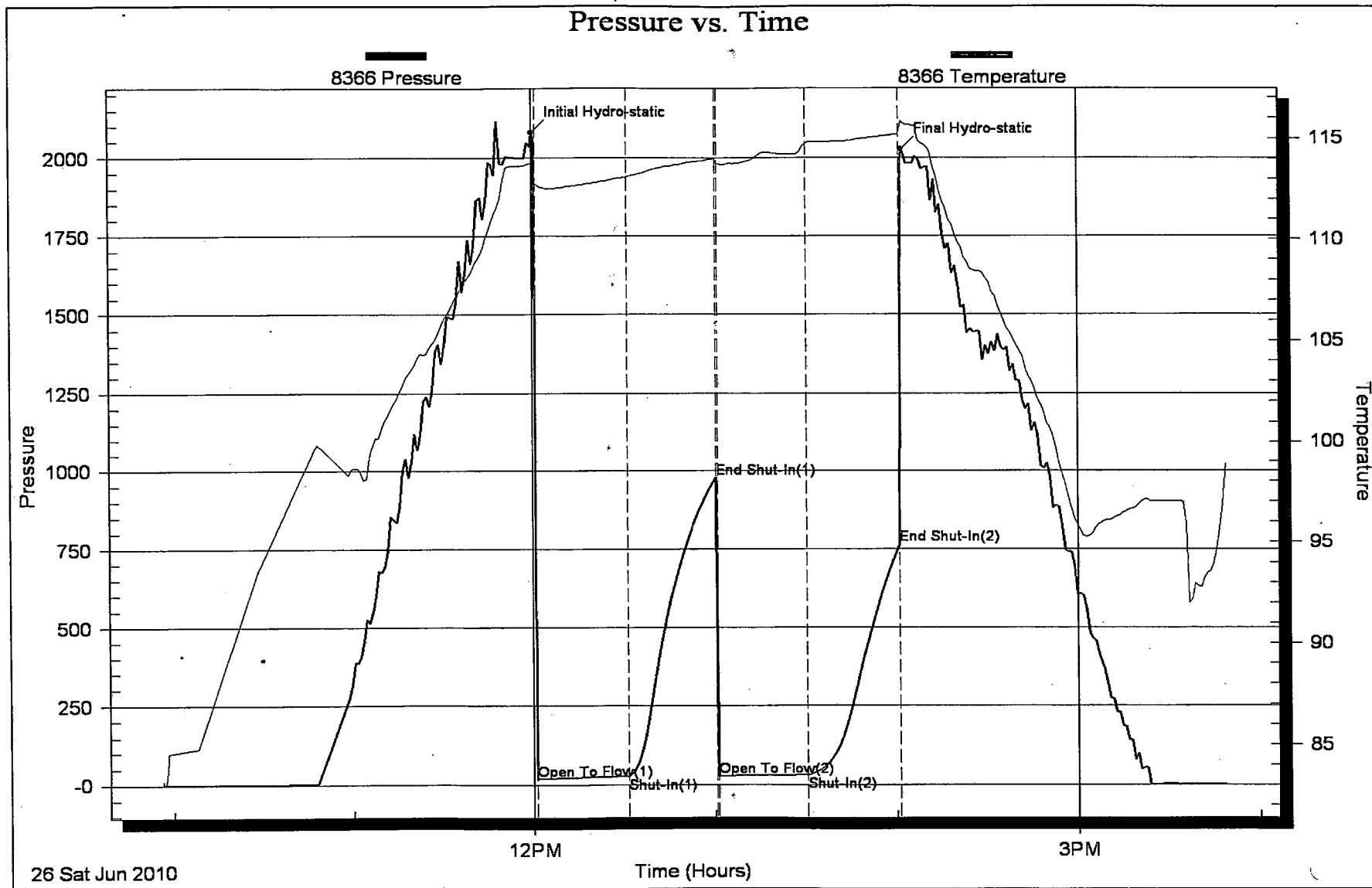
Num Gas Bombs: 0

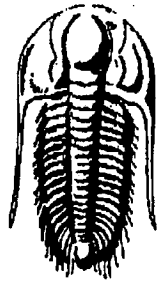
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Tom Funk

30 12s 32w Logan KS

Stoecker G&M #1-39

Start Date: 2010.06.27 @ 16:04:00

End Date: 2010.06.27 @ 21:50:00

Job Ticket #: 38328 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co., Inc.

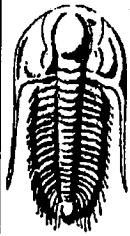
Stoecker G&M #1-39

30 12s 32w Logan KS

DST # 2

Myrick Station, Fort

2010.06.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

250 N Water STE 300
Wichita, KS 67202

ATTN: Tom Funk

Stoecker G&M #1-39

30 12s 32w Logan KS

Job Ticket: 38328

DST#: 2

Test Start: 2010.06.27 @ 16:04:00

GENERAL INFORMATION:

Formation: **Myrick Station, Fort**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:30

Time Test Ended: 21:50:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **4474.00 ft (KB) To 4550.00 ft (KB) (TVD)**

Total Depth: 4550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3052.00 ft (KB)

3042.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press@RunDepth: 20.94 psig @ 4475.00 ft (KB)

Start Date: 2010.06.27

End Date: 2010.06.27

Capacity: 8000.00 psig

Last Calib.: 2010.06.27

Start Time: 16:04:05

End Time: 21:49:59

Time On Btm: 2010.06.27 @ 18:04:30

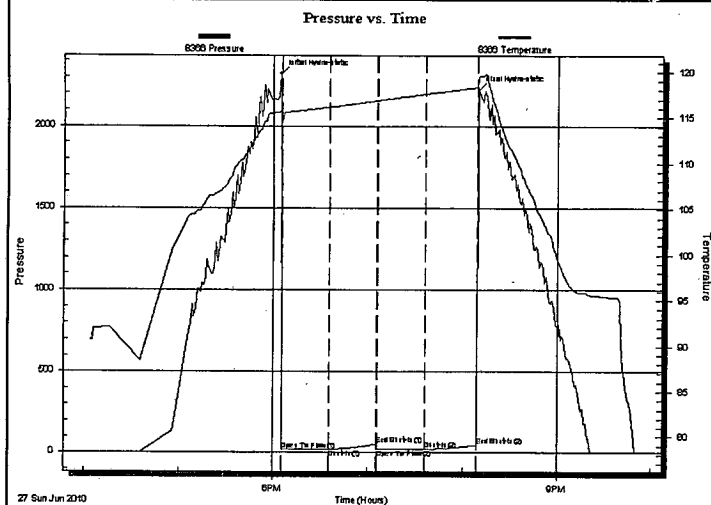
Time Off Btm: 2010.06.27 @ 20:09:30

TEST COMMENT: IF: Surface blow, dead @ 10 min.

ISI: No blow back

FF: No blow

FSI: No blow back



PRESSURE SUMMARY

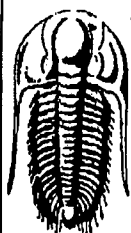
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2317.58	115.66	Initial Hydro-static
1	17.13	114.52	Open To Flow (1)
31	19.99	116.16	Shut-In(1)
61	51.98	116.87	End Shut-In(1)
62	19.54	116.89	Open To Flow (2)
92	20.94	117.61	Shut-In(2)
124	46.81	118.35	End Shut-In(2)
125	2222.01	119.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

Stoecker G&M #1-39

250 N Water STE 300
Wichita, KS 67202

30 12s 32w Logan KS

Job Ticket: 38328

DST#: 2

ATTN: Tom Funk

Test Start: 2010.06.27 @ 16:04:00

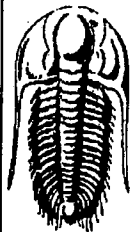
Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 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: 25000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 88000.00 lb
		Total Volume: 57.79 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4474.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	103.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4452.00	
HYD S.I. Tool	5.00			4457.00	
Jars	5.00			4462.00	
Safety Joint	2.00			4464.00	
Packer	5.00			4469.00	27.00 Bottom Of Top Packer
Packer	5.00			4474.00	
Stubb	1.00			4475.00	
Recorder	0.00	8366	Inside	4475.00	
Recorder	0.00	8320	Inside	4475.00	
Perforations	5.00			4480.00	
Blank Spacing	65.00			4545.00	
Perforations	2.00			4547.00	
Bullnose	3.00			4550.00	76.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Stoecker G&M #1-39

250 N Water STE 300
Wichita, KS 67202

30 12s 32w Logan KS

Job Ticket: 38328

DST#: 2

ATTN: Tom Funk

Test Start: 2010.06.27 @ 16:04:00

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

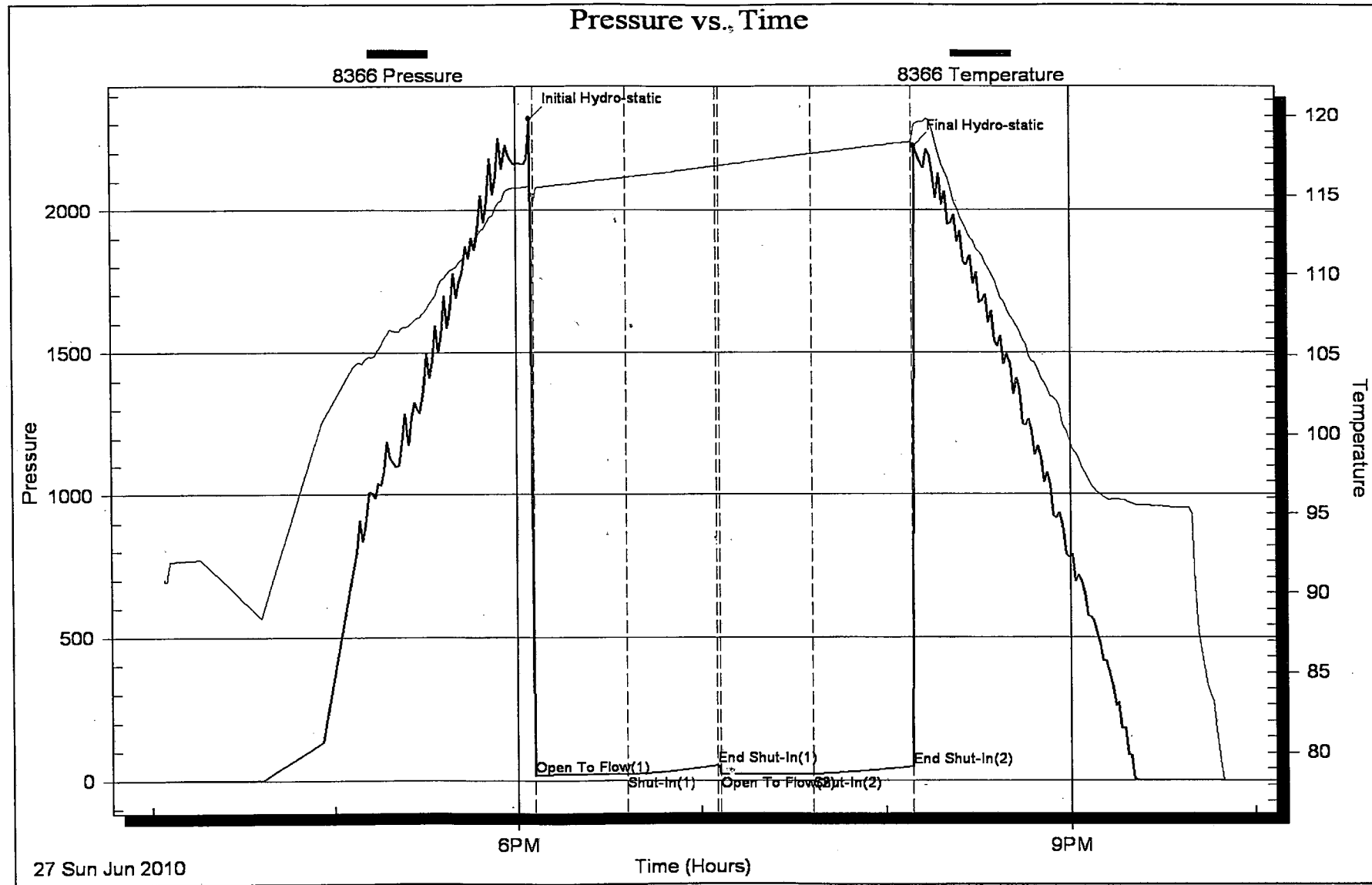
Num Gas Bombs: 0

Serial #:

Laboratory Name:

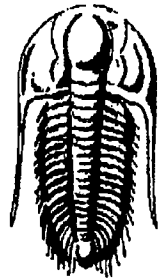
Laboratory Location:

Recovery Comments:



27 Sun Jun 2010

Time (Hours)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water STE 300
Wichita, KS 67202

ATTN: Tom Funk

30 12s 32w Logan KS

Stoecker G&M #1-39

Start Date: 2010.06.28 @ 06:18:00

End Date: 2010.06.28 @ 14:31:30

Job Ticket #: 38329 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co., Inc.

Stoecker G&M #1-39

30 12s 32w Logan KS

DST # 3

Johnson

2010.06.28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

250 N Water STE 300
Wichita, KS 67202

ATTN: Tom Funk

Stoecker G&M #1-39

30 12s 32w Logan KS

Job Ticket: 38329

DST#: 3

Test Start: 2010.06.28 @ 06:18:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:32:30

Time Test Ended: 14:31:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **4555.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Total Depth: 4600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3052.00 ft (KB)

3042.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press@RunDepth: 31.17 psig @ 4556.00 ft (KB)

Start Date: 2010.06.28

End Date:

2010.06.28

Capacity: 8000.00 psig

Last Calib.: 2010.06.28

Start Time: 06:18:05

End Time:

14:31:29

Time On Btm: 2010.06.28 @ 08:31:00

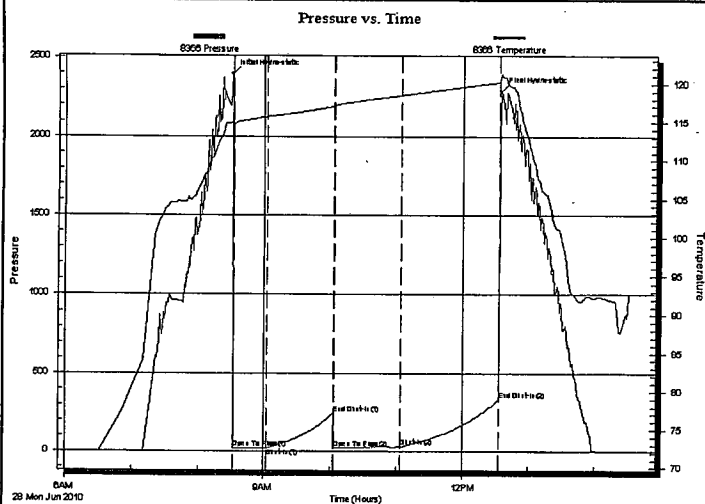
Time Off Btm: 2010.06.28 @ 12:34:30

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

ISI: Bled off, No blow back

FF: 3/4" blow @ open, surge blow @ 55 min., blow @ 2 1/2" to 3 1/4", 3 1/2" blow @ close

FSI: Bled off, No blow back



PRESSURE SUMMARY

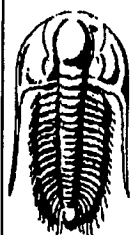
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2396.58	115.06	Initial Hydro-static
2	18.61	114.63	Open To Flow (1)
32	23.31	115.72	Shut-In(1)
92	243.91	117.05	End Shut-In(1)
93	23.29	117.17	Open To Flow (2)
153	31.17	118.49	Shut-In(2)
242	334.23	120.25	End Shut-In(2)
244	2287.70	121.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	GMCO 53%o, 32%m, 15%g	0.25
0.00	GIP = 140'	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.

Stoecker G&M #1-39

250 N Water STE 300
Wichita, KS 67202

30 12s 32w Logan KS

Job Ticket: 38329

DST#: 3

ATTN: Tom Funk

Test Start: 2010.06.28 @ 06:18:00

Tool Information

Drill Pipe:	Length: 3995.00 ft	Diameter: 3.80 inches	Volume: 56.04 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: 25000.00 lb
Drill Collar:	Length: 540.00 ft	Diameter: 2.25 inches	Volume: 2.66 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 58.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4555.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4533.00	
HYD S.I. Tool	5.00			4538.00	
Jars	5.00			4543.00	
Safety Joint	2.00			4545.00	
Packer	5.00			4550.00	27.00 Bottom Of Top Packer
Packer	5.00			4555.00	
Stubb	1.00			4556.00	
Recorder	0.00	8366	Inside	4556.00	
Recorder	0.00	8320	Inside	4556.00	
Perforations	5.00			4561.00	
Blank Spacing	33.00			4594.00	
Perforations	3.00			4597.00	
Bullnose	3.00			4600.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Stoecker G&M #1-39

250 N Water STE 300
Wichita, KS 67202

30 12s 32w Logan KS

Job Ticket: 38329

DST#: 3

ATTN: Tom Funk

Test Start: 2010.06.28 @ 06:18:00

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: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	GMCO 53%o, 32%m, 15%g	0.246
0.00	GIP = 140'	0.000

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

