

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED

ORIGINAL

Form ACO-1
June 2009

JUL 01 2010 Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA 6/29/12

OPERATOR: License # 30606
Name: Murfin Drilling Company, Inc.
Address 1: 250 N. Water, Suite 300
Address 2: _____
City: Wichita State: KS Zip: 67202 + _____
Contact Person: Leon Rodak
Phone: (316) 267-3241
CONTRACTOR: License # 30606
Name: Murfin Drilling Company, Inc.
Wellsite Geologist: Brad Rine
Purchaser: None

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 #: _____
03/14/10 03/20/10 03/20/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 039-21110-0000
Spot Description: _____
SW SW NW SE Sec. 6 Twp. 2 S. R. 26 East West
1,500 Feet from North / South Line of Section
2,310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Decatur
Lease Name: Schwab Unit Well #: 1-6
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2634 Kelly Bushing: 2639
Total Depth: 3700 Plug Back Total Depth: None
Amount of Surface Pipe Set and Cemented at: 290 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 #: _____

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: 06/29/10

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 6-29-10 - 6-29-12
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NO Date: 7/2/10
PA

KCC

Side Two

JUN 29 2010

Operator Name: Murfin Drilling Company, Inc. Lease Name: Schwab Unit Well No: 1-6
Sec. 6 Twp. 2 S. R. 26 East West County: Decatur

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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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Attached List
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
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#	290	Common	190	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 <i>(Amount and Kind of Material Used)</i>	Depth

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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
---	---

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

KCC
 JUN 29 2010
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MDCI Schwab Unit #1-8 1500 FSL 2310 FWL Sec. 6-T2S-R26W 2639' KB					MDCI Schwab 'A' #1-5 1580 FSL 2050 FWL Sec. 5-T2S-R26W 2570' KB			
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2094	+545	-13	2094	+545	-13	2012	+558
B/Anhydrite	2125	+514	-14	2125	+514	-14	2042	+528
Topeka	3235	-596	-10	3231	-592	-6	3156	-586
Heebner	3402	-763	-12	3397	-758	-7	3321	-751
Lansing	3439	-800	-10	3436	-797	-7	3360	-790
Stark				3590	-951			
BKC				3638	-999		3562	-992
RTD	3700						3660	
LTD				3700			3661	

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 KCC WICHITA



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906
 Voice: (785) 483-3887
 Fax: (785) 483-5566

cust. log

INVOICE

Invoice Number: 121961
 Invoice Date: Mar 20, 2010
 Page: 1

KCC
 JUN 29 2010
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Bill To:

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

operator pay / om

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Schwab Unit #1-6 / <i>om</i>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Mar 20, 2010	4/19/10

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	Handling	2.40	552.00
70.00	SER	Mileage 230 sx @ .10 per sk per mi	23.00	1,610.00
1.00	SER	Plug to Abandon	1,017.00	1,017.00
70.00	SER	Pump Truck Mileage	7.00	490.00

OKD

Subtotal	6,716.30
Sales Tax	423.13
Total Invoice Amount	7,139.43
Payment/Credit Applied	
TOTAL	7,139.43

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

\$ 2350 ¹¹

ONLY IF PAID ON OR BEFORE
Apr 14, 2010

RECEIVED *mv*
 JUL 01 2010
 KCC WICHITA

ALLIED CEMENTING CO., LLC. 044510

KCC

JUN 29 2010

SERVICE POINT:

Oakley KS

CONFIDENTIAL

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

DATE 3-20-10	SEC. 6	TWP. 2S	RANGE 26W	CALLED OUT	ON LOCATION 3:00pm	JOB START 7:30am	JOB FINISH 8:00pm
LEASE Scuba Unit	WELL # 1-6	LOCATION Oberlin G 20507 SW W			COUNTY Dodge	STATE KS	
OLD OR NEW (Circle one)				+ N E			

CONTRACTOR Munson #8

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3700'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2109'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED 220 sks 60/40

49 bags 114 + 50 seal

COMMON	<u>132</u>	@ <u>15⁴⁵</u>	<u>2039⁴⁰</u>
POZMIX	<u>88</u>	@ <u>8⁰⁰</u>	<u>704⁰⁰</u>
GEL	<u>8</u>	@ <u>20⁰⁰</u>	<u>166⁴⁰</u>
CHLORIDE		@	
ASC		@	
		@	
		@	
<u>5 (seal)</u>		@ <u>2⁵⁰</u>	<u>137⁵⁰</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>230</u>	@ <u>2⁴⁰</u>	<u>552⁰⁰</u>
MILEAGE	<u>.10 x 5K + mile</u>		<u>1610⁰⁰</u>
			<u>TOTAL 5209³⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

431 HELPER Kelly

BULK TRUCK

3 DRIVER Jerry

BULK TRUCK

_____ DRIVER _____

REMARKS:

255 @ 2109

100 sk @ 1384

40 sk @ 340'

10 sk @ 40'

15 sk MH

30 sk RH

Job complete @ 7:45 pm

Thanks Fuzzy + crew

SERVICE

DEPTH OF JOB 2109'

PUMP TRUCK CHARGE 1017⁰⁰

EXTRA FOOTAGE @ _____

MILEAGE 70 @ 7⁰⁰ 490⁰⁰

MANIFOLD @ _____

@ _____

@ _____

TOTAL 1507⁰⁰

PLUG & FLOAT EQUIPMENT

8 9/16 plug @ 40⁰⁰ W/C

@ _____

@ _____

@ _____

@ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

CHARGE TO: Munson Dols

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 _____

SIGNATURE Fuzzy



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 121911

Invoice Date: Mar 14, 2010

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

PROD COPY

Page: 1

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

KCC
 JUN 29 2010
 CONFIDENTIAL

operator pay mdc

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Schwab Unit #1-6 / <i>Bm</i>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 14, 2010	4/13/10

Quantity	Item	Description	Unit Price	Amount
190.00	MAT	Class A Common	15.45	2,935.50
4.00	MAT	Gel	20.80	83.20
7.00	MAT	Chloride	58.20	407.40
201.00	SER	Handling	2.40	482.40
70.00	SER	Mileage 201 sx @.10 per sk per mi	20.10	1,407.00
1.00	SER	Surface	1,018.00	1,018.00
70.00	SER	Pump Truck Mileage	7.00	490.00

Account	Unit Rig	v. L	No.	Amount	Description
<i>03600</i>	<i>00825</i>	<i>3618</i>	<i>7039.34</i>	<i>(2388.23)</i>	<i>Operator Pay</i>

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

\$ 2388.23 *35%*

ONLY IF PAID ON OR BEFORE
Apr 8, 2010

Subtotal	6,823.50
Sales Tax	215.84
Total Invoice Amount	7,039.34
Payment/Credit Applied	
TOTAL	7,039.34

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2388.23
4651.11

ALLIED CEMENTING CO., LLC. 044505

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

SERVICE POINT:
Overland KS

DATE 3-14-10	SEC 6	TWP 2	RANGE 26	CALLED OUT	ON LOCATION 9:30pm	JOB START 10:00pm	JOB FINISH 10:30pm
LEASE Schwab U.S.A.	WELL# 1-6	LOCATION Overland - E. Rd Sec 7		COUNTY Decatur	STATE KS		
OLD OR <u>NEW</u> (Circle one)			5w. 1/2 c. n. s.				

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CONTRACTOR Munster OWNER _____

TYPE OF JOB Surface

HOLE SIZE 17 1/4 T.D. 290' CEMENT AMOUNT ORDERED 190 (over 390' c)

CASING SIZE 2 1/2 DEPTH 290' AMOUNT ORDERED 290 c.

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 0'

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 17.5

EQUIPMENT

PUMP TRUCK CEMENTER Kozzy

431 HELPER Kelly

BULK TRUCK

396 DRIVER Serry

BULK TRUCK

DRIVER

COMMON	<u>190</u>	@ <u>15.45</u>	<u>2935.50</u>
POZMIX		@	
GEL	<u>4</u>	@ <u>20.80</u>	<u>83.20</u>
CHLORIDE	<u>7</u>	@ <u>58.25</u>	<u>407.50</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>201</u>	@ <u>2.40</u>	<u>482.40</u>
MILEAGE	<u>104.9</u> miles	@ <u>14.07</u>	<u>1477.00</u>
TOTAL			<u>5315.50</u>

REMARKS:

Cement did circulate
After 5 hrs

Sub complete @ 10:30pm

Thanks Kozzy crew

SERVICE

DEPTH OF JOB	<u>290'</u>	
PUMP TRUCK CHARGE	<u>1018.00</u>	
EXTRA FOOTAGE	@	
MILEAGE	<u>70</u>	@ <u>7.00</u> <u>490.00</u>
MANIFOLD	@	
	@	
TOTAL		<u>1508.00</u>

CHARGE TO: Munster Dalg.
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

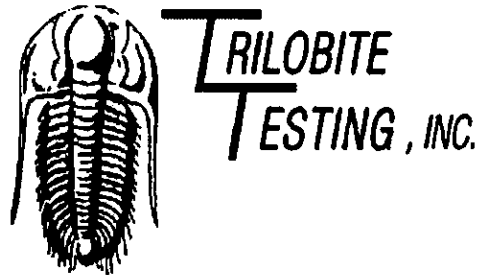
To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS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

PRINTED NAME Robney Farr

SIGNATURE Robney Farr

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS

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KCC WICHITA



DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Brad Rine

6 2S 26W Decatur KS

Schwab Unit #1-6

Start Date: 2010.03.17 @ 23:37:00

End Date: 2010.03.18 @ 07:31:30

Job Ticket #: 37313 DST #: 1

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KCC WICHITA

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: Brad Rine

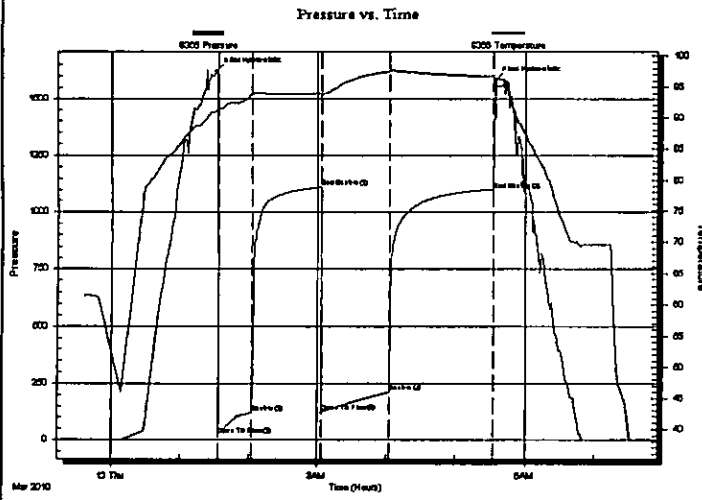
Schwab Unit #1-6
6 2S 26W Decatur KS
 Job Ticket: 37313 DST#: 1
 Test Start: 2010.03.17 @ 23:37:00

GENERAL INFORMATION:

Formation: Toronto - LKC "A - C
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:33:00
 Time Test Ended: 07:31:30
 Interval: 3395.00 ft (KB) To 3473.00 ft (KB) (TVD)
 Total Depth: 3473.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: James Winder
 Unit No: 46
 Reference Elevations: 2639.00 ft (KB)
 2634.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8366 Inside
 Press@RunDepth: 211.31 psig @ 3396.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.03.17 End Date: 2010.03.18 Last Calib.: 2010.03.18
 Start Time: 23:37:05 End Time: 07:31:29 Time On Btm: 2010.03.18 @ 01:31:00
 Time Off Btm: 2010.03.18 @ 05:33:59

TEST COMMENT: IF: Blow built to 11 1/2"
 IS: Bled off, No blow back
 FF: Blow built to BOB (12") in 32 min.
 FS: Bled off, No blow back



PRESSURE SUMMARY

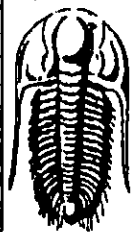
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.23	90.97	Initial Hydro-static
2	20.99	90.45	Open To Flow (1)
32	120.75	93.80	Shut-In(1)
92	1109.31	93.91	End Shut-In(1)
93	124.64	93.77	Open To Flow (2)
152	211.31	97.46	Shut-In(2)
242	1099.98	96.69	End Shut-In(2)
243	1583.70	95.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW w/trace oil 66%w , 34%m	0.30
244.00	SMCW w/trace oil 92%w , 8%m	2.33
62.00	Muddy Water w/trace oil 54%w , 46%m	0.87
49.00	Mud w/trace oil 100%m	0.69
0.00	RW = .136 ohms @ 34.3 deg F	0.00
0.00	Chlorides = 125,000 ppm	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.

Schwab Unit #1-6

250 N. Water Suite 300
Wichita, KS 67202

6 2S 26W Decatur KS

Job Ticket: 37313

DST#: 1

ATTN: Brad Rine

Test Start: 2010.03.17 @ 23:37:00

Tool Information

Drill Pipe:	Length: 3197.00 ft	Diameter: 3.80 inches	Volume: 44.85 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: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 45.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3395.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 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			3373.00	
HYD S.I. Tool	5.00			3378.00	
Jars	5.00			3383.00	
Safety Joint	2.00			3385.00	
Packer	5.00			3390.00	27.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Recorder	0.00	8366	Inside	3396.00	
Recorder	0.00	8320	Outside	3396.00	
Perforations	9.00			3405.00	
Blank Spacing	65.00			3470.00	
Bullnose	3.00			3473.00	78.00 Bottom Packers & Anchor
Total Tool Length:		105.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Schwab Unit #1-6

250 N. Water Suite 300
Wichita, KS 67202

6 2S 26W Decatur KS

Job Ticket: 37313

DST#: 1

ATTN: Brad Rine

Test Start: 2010.03.17 @ 23:37:00

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:

125000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 0.06 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MCW w /trace oil 66%w , 34%m	0.295
244.00	SMCW w /trace oil 92%w , 8%m	2.330
62.00	Muddy Water w /trace oil 54%w , 46%m	0.870
49.00	Mud w /trace oil 100%m	0.687
0.00	RW = .136 ohms @ 34.3 deg F	0.000
0.00	Chlorides = 125,000 ppm	0.000

Total Length: 415.00 ft

Total Volume: 4.182 bbl

Num Fluid Samples: 0

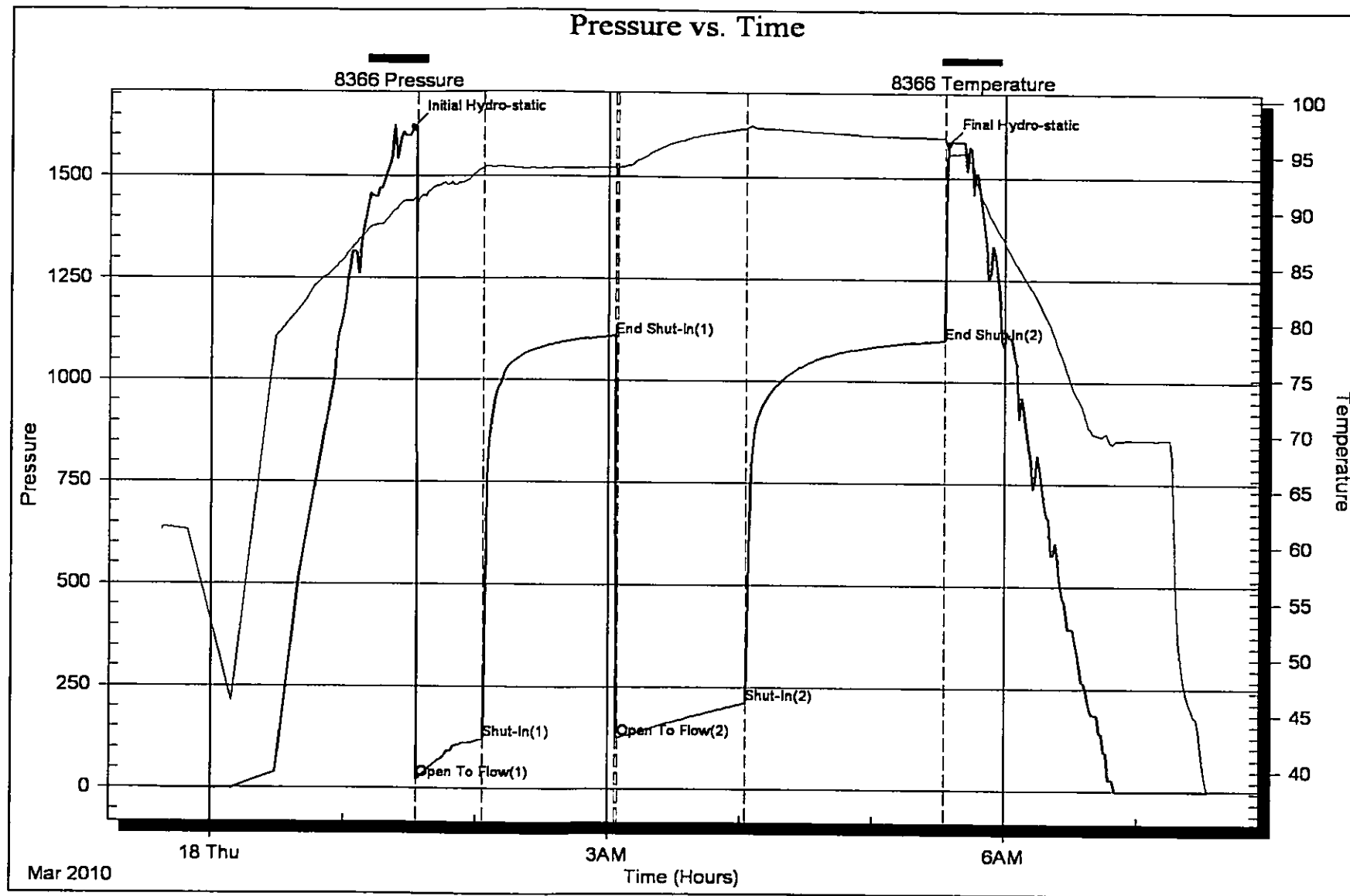
Num Gas Bombs: 0

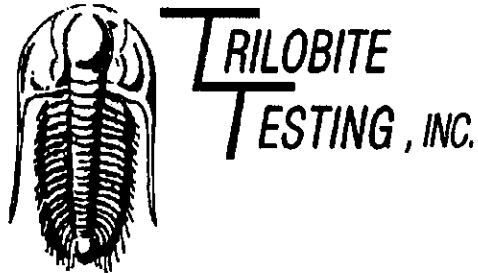
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Brad Rine

6 2S 26W Decatur KS

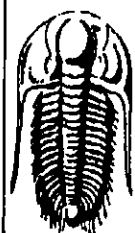
Schwab Unit #1-6

Start Date: 2010.03.18 @ 14:12:00

End Date: 2010.03.18 @ 20:42:00

Job Ticket #: 37314 DST #: 2

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: Brad Rine

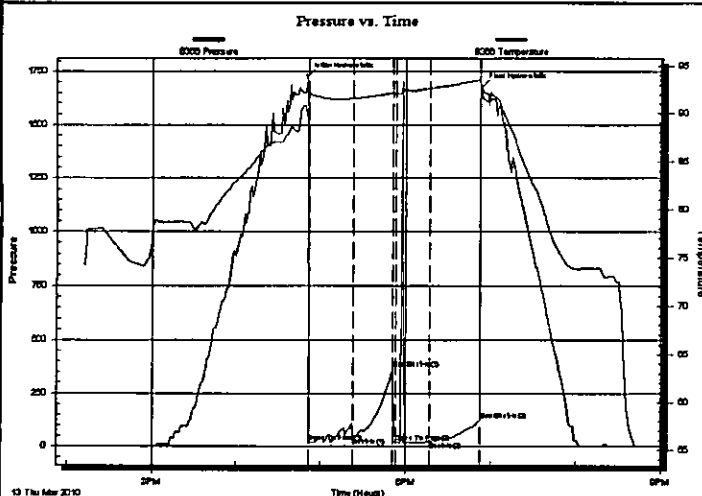
Schwab Unit #1-6
6 2S 26W Decatur KS
Job Ticket: 37314 DST#: 2
Test Start: 2010.03.18 @ 14:12:00

GENERAL INFORMATION:

Formation: LKC "D"
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 16:51:30 Tester: James Winder
Time Test Ended: 20:42:00 Unit No: 46
Interval: 3475.00 ft (KB) To 3495.00 ft (KB) (TVD) Reference Elevations: 2639.00 ft (KB)
Total Depth: 3495.00 ft (KB) (TVD) 2634.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8366 Inside
Press@RunDepth: 21.69 psig @ 3476.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.03.18 End Date: 2010.03.18 Last Calib.: 2010.03.18
Start Time: 14:12:05 End Time: 20:41:59 Time On Btm: 2010.03.18 @ 16:50:00
Time Off Btm: 2010.03.18 @ 18:52:59

TEST COMMENT: IF: Surface blow for 13 min., Intermittent surface blow 13 min. - close
IS: No blow back
FF: Surface blow, Flushed tool, Surface blow for 15 min., Intermittent till 20 min.
FS: No blow back



PRESSURE SUMMARY

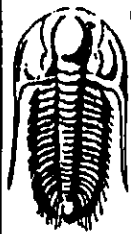
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.34	89.65	Initial Hydro-static
2	19.05	91.92	Open To Flow (1)
33	41.32	91.61	Shut-In(1)
61	365.16	92.24	End Shut-In(1)
63	17.85	92.10	Open To Flow (2)
87	21.69	92.68	Shut-In(2)
122	122.62	93.50	End Shut-In(2)
123	1678.92	92.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SOCM 98% m, 2% o	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.

Schwab Unit #1-6

250 N. Water Suite 300
Wichita, KS 67202

6 2S 26W Decatur KS

Job Ticket: 37314

DST#: 2

ATTN: Brad Rine

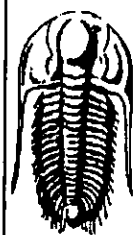
Test Start: 2010.03.18 @ 14:12:00

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.80 inches	Volume: 46.18 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: 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: 47.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3475.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 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			3452.00	
HYD S.I. Tool	5.00			3457.00	
Jars	5.00			3462.00	
Safety Joint	2.00			3464.00	
C.O. Sub	1.00			3465.00	
Shale Packer	0.00			3465.00	
Packer	5.00			3470.00	28.00 Bottom Of Top Packer
Packer	5.00			3475.00	
Shale Packer	0.00			3475.00	
Stubb	1.00			3476.00	
Recorder	0.00	8366	Inside	3476.00	
Recorder	0.00	8320	Outside	3476.00	
Perforations	16.00			3492.00	
Bullnose	3.00			3495.00	20.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Schwab Unit #1-6

250 N. Water Suite 300
Wichita, KS 67202

6 2S 26W Decatur KS

Job Ticket: 37314

DST#: 2

ATTN: Brad Rine

Test Start: 2010.03.18 @ 14:12:00

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 0.06 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SOCM 98% _m , 2% _o	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

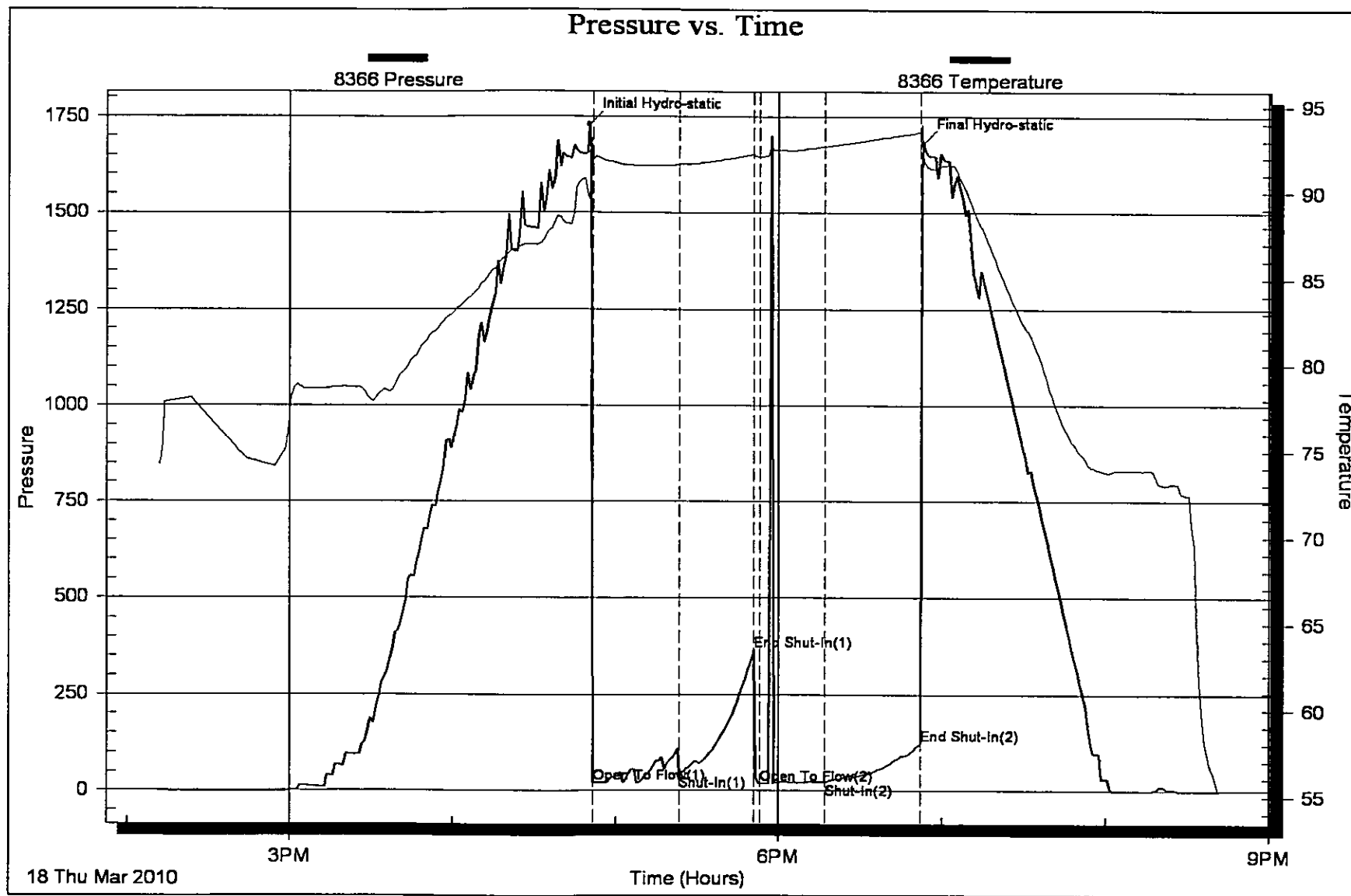
Num Gas Bombs: 0

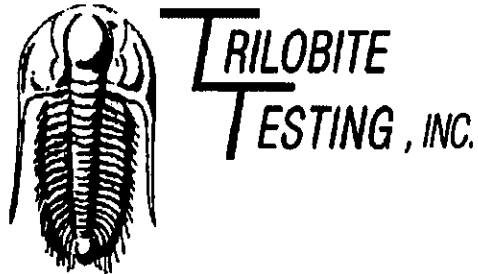
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

250 N. Water Suite 300
Wichita, KS 67202

ATTN: Brad Rine

6 2S 26W Decatur KS

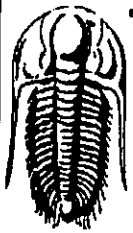
Schwab Unit #1-6

Start Date: 2010.03.19 @ 11:48:00

End Date: 2010.03.19 @ 19:06:00

Job Ticket #: 37315 DST #: 3

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: Brad Rine

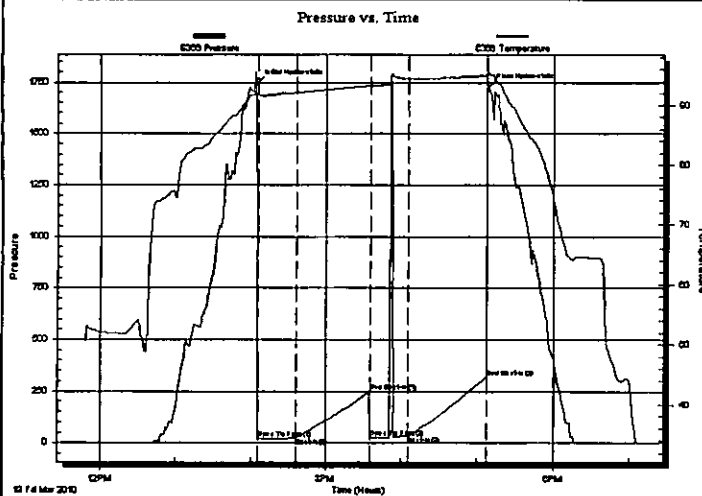
Schwab Unit #1-6
6 2S 26W Decatur KS
Job Ticket: 37315 **DST#: 3**
Test Start: 2010.03.19 @ 11:48:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**
Deviated: **No Whipstock** **ft (KB)**
Time Tool Opened: **14:05:30**
Time Test Ended: **19:06:00**
Interval: **3523.00 ft (KB) To 3622.00 ft (KB) (TVD)**
Total Depth: **3622.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **James Winder**
Unit No: **46**
Reference Elevations: **2639.00 ft (KB)**
2634.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8366 **Inside**
Press@RunDepth: **32.40 psig @ 3524.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.03.19** End Date: **2010.03.19** Last Calib.: **2010.03.19**
Start Time: **11:48:05** End Time: **19:05:59** Time On Btm: **2010.03.19 @ 14:04:30**
Time Off Btm: **2010.03.19 @ 17:08:29**

TEST COMMENT: IF: 1/2" blow @ open, built to 1 3/4"
IS: Bled off, No blow back
FF: Intermittent surface blow for 9 min., Flushed tool @ 17 min., Surface blow, dead @ 22 min.
FS: No blow back



PRESSURE SUMMARY

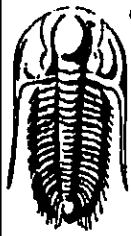
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.72	92.10	Initial Hydro-static
1	18.52	91.75	Open To Flow (1)
32	23.39	92.13	Shut-In(1)
91	247.72	93.31	End Shut-In(1)
91	24.83	93.22	Open To Flow (2)
121	32.40	94.39	Shut-In(2)
183	318.75	94.92	End Shut-In(2)
184	1726.32	95.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 66% m, 34% o	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co., Inc.

Schwab Unit #1-6

250 N. Water Suite 300
Wichita, KS 67202

6 2S 26W Decatur KS

Job Ticket: 37315

DST#: 3

ATTN: Brad Rine

Test Start: 2010.03.19 @ 11:48:00

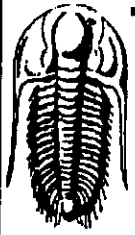
Tool Information

Drill Pipe:	Length: 3325.00 ft	Diameter: 3.80 inches	Volume: 46.64 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: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 47.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3523.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.00 ft			
Tool Length:	126.00 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			3501.00	
HYD S.I. Tool	5.00			3506.00	
Jars	5.00			3511.00	
Safety Joint	2.00			3513.00	
Packer	5.00			3518.00	27.00 Bottom Of Top Packer
Packer	5.00			3523.00	
Stubb	1.00			3524.00	
Recorder	0.00	8366	Inside	3524.00	
Recorder	0.00	8320	Outside	3524.00	
Perforations	27.00			3551.00	
Blank Spacing	65.00			3616.00	
Perforations	3.00			3619.00	
Bullnose	3.00			3622.00	99.00 Bottom Packers & Anchor

Total Tool Length: 126.00



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TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.

Schwab Unit #1-6

250 N. Water Suite 300
Wichita, KS 67202

6 2S 26W Decatur KS

Job Ticket: 37315

DST#: 3

ATTN: Brad Rine

Test Start: 2010.03.19 @ 11:48:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 0.06 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 66% _m , 34% _o	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

