

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

11/8/12

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: Tim Pierce
Purchaser: MV Purchasing

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API No. 15 - 195-22678-0000

Spot Description: _____
NE SE SE SW Sec. 05 Twp. 12 S. R. 24 East West
450 Feet from North / South Line of Section
2600 Feet from East / West Line of Section

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

County: Trego
Lease Name: Mussemann Unit Well #: 1-5

Field Name: Wildcat
Producing Formation: LKC

Elevation: Ground: 2498 Kelly Bushing: 2503
Total Depth: 4165 Plug Back Total Depth: 4142
Amount of Surface Pipe Set and Cemented at: 215 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2119 Feet
If Alternate II completion, cement circulated from: 2119
feet depth to: surface w/ 170 sx cmt.

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 #: _____

08/11/10	08/16/10	09/01/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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: 11/08/10

KCC Office Use ONLY
RECEIVED
 Letter of Confidentiality Received
Date: 11/8/10 - 11/8/12 **NOV 10 2010**
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 11-16-10

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Operator Name: Murfin Drilling Company, Inc. Lease Name: Mussemann Unit Well #: 1-5
Sec. 05 Twp. 12 S. R. 24 East West County: Trego

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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 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

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	215	Common	150	3% cc, 2% gel
Production		5 1/2	15.5	4163	EA2	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4037-4046 LKC "I"	1500 gal 15% MCA, 250 gal 15% MCA, 1500 gal 15% MCA	

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>4129</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>09/07/10</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>5</u> Gas Mcf _____ Water Bbls. <u>.34</u> Gas-Oil Ratio _____ Gravity <u>31.8</u>	

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4037-4046</u>
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MDCI Mussemann Unit #1-5 450 FSL 2600 FWL Sec. 5-T12S-R24W 2503' KB							MDCI Dietz Unit #1-8 570 FNL 2600 FWL Sec. 8-T12S-R24W 2485' KB	
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	2095	+408	-2	2095	+408	-2	2075	+410
B/Anhydrite	2135	+368	+1	2136	+367	Flat	2118	+367
Topeka	3607	-1104	-1	3610	-1107	-4	3588	-1103
Heebner	3837	-1334	-6	3837	-1334	-5	3813	-1328
Toronto	3859	-1356	-7	3857	-1354	-5	3834	-1349
Lansing	3876	-1373	-9	3874	-1371	-6	3849	-1364
BKC	4114	-1611	-7	4113	-1610	-6	4089	-1604
RTD	4165						4160	-1675
LTD				4168			4156	-1671

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PO BOX 31 Russell, KS 67665

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

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

INVOICE

Invoice Number: 123982
 Invoice Date: Aug 11, 2010
 Page: 1

PROD COPY

*operator pay
 moc
 BR*

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Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Musseman Unit #1-5 / <i>BR</i>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Aug 11, 2010	9/10/10

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class A Common	13.50	2,025.00
3.00	MAT	Gel	20.25	60.75
5.00	MAT	Chloride	51.50	257.50
158.00	SER	Handling	2.25	355.50
45.00	SER	Mileage 158 sx @ .10 per sk per mi	15.80	711.00
1.00	SER	Surface	991.00	991.00
45.00	SER	Pump Truck Mileage	7.00	315.00

Account	Tr #	W	QTY	UNIT PRICE	AMOUNT
<i>05600</i>	<i>00820</i>	<i>3426</i>	<i>4875.09</i>	<i>Comment 5 (sg.)</i>	<i>(1650.51)</i>

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

\$ 1650.51

ONLY IF PAID ON OR BEFORE

Sep 5, 2010

Subtotal	4,715.75
Sales Tax	159.34
Total Invoice Amount	4,875.09
Payment/Credit Applied	
TOTAL	4,875.09

(1650.51)

3224.58

ALLIED CEMENTING CO., LLC. 039067

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SERVICE POINT:

oakley

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

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DATE <i>8-11-10</i>	SEC. <i>5</i>	TWP. <i>12s</i>	RANGE <i>24w</i>	CALC. POINT	ON LOCATION	JOB START <i>8:30pm</i>	JOB FINISH <i>9:00pm</i>
MUSSEMANH LEASE <i>unit</i>	WELL # <i>1-5</i>	LOCATION <i>voda exit 1/2 N 1/2 E</i>	COUNTY <i>Trego</i>	STATE <i>KS</i>			
OLD OR NEW (Circle one)		<i>450' NINTO</i>					

CONTRACTOR *Murfin Drilling Rig 8*

OWNER *same*

TYPE OF JOB *Surface*

CEMENT

HOLE SIZE *12 1/4* T.D. *215'*

AMOUNT ORDERED *150 sks com 3% gel*

CASING SIZE *8 7/8* DEPTH *216*

2% gel

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

COMMON *150 sks @ 13.50 2025.00*

POZMIX @

GEL *3 sks @ 20.25 60.75*

CHLORIDE *5 sks @ 51.50 257.50*

ASC @

PERFS.

DISPLACEMENT *12.74 BBL*

@

EQUIPMENT

@

@

@

@

@

@

@

HANDLING *158 sks @ 2.25 355.50*

MILEAGE *10.8 sk/mile 711.00*

TOTAL *3409.75*

REMARKS:

SERVICE

Cement did circulate

DEPTH OF JOB *216'*

PUMP TRUCK CHARGE *991.00*

EXTRA FOOTAGE @

MILEAGE *45 miles @ 7.00 315.00*

MANIFOLD @

@

@

TOTAL *1306.00*

CHARGE TO: *Murfin*

STREET _____

CITY _____ STATE _____ ZIP _____

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 Farr*

SIGNATURE *Rodney Farr*

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

Accty —

cc: W F
cc: Liz
cc: Leon p. 1

Invoice

DATE	INVOICE #
8/25/2010	18209

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- Acidizing
- Cement
- Tool Rental

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

Handwritten signature and initials

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-5	Mussemann	Trego	Company Tools	Oil	Development	Port Collar	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
576D-D	Pump Charge - Port Collar - 2116 Feet				1	Job	1,100.00	1,100.00
290	D-Air				2	Gallon(s)	35.00	70.00T
279	Bentonite Gel				6	Sack(s)	25.00	150.00T
330	Swift Multi-Density Standard (MIDCON II)				170	Sacks	15.00	2,550.00T
276	Flocele				50	Lb(s)	1.50	75.00T
581D	Service Charge Cement				250	Sacks	1.50	375.00
583D	Drayage				489	Ton Miles	1.00	489.00
	Subtotal							5,009.00
	Sales Tax Trego County						6.80%	193.46

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We Appreciate Your Business!

Total

\$5,202.46



CHARGE TO: *Murfin P-1g*

ADDRESS:

CITY, STATE, ZIP CODE:

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TICKET
18209

PAGE 1 OF 1

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

WELL/PROJECT NO.: *#1-5*

LEASE: *Musseman*

COUNTY/PARISH: *Trego*

STATE: *Ks*

CITY:

DATE: *8-25-10*

OWNER: *Sam L*

TICKET TYPE:
 SERVICE
 SALES

CONTRACTOR: *Co Tools*

RIG NAME NO.:

SHIPPED VIA: *e/t location*

DELIVERED TO:

ORDER NO.:

WELL TYPE: *oil*

WELL CATEGORY: *Development*

JOB PURPOSE: *Port Collar*

WELL PERMIT NO.:

WELL LOCATION:

REFERRAL LOCATION:

INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC.	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE #111</i>	<i>40</i>	<i>mi</i>			<i>5⁰⁰</i>	<i>200⁰⁰</i>
<i>576 D</i>		<i>1</i>			<i>Pump Charge (Port Collar)</i>	<i>1 ea</i>	<i>2116'</i>			<i>1100⁰⁰</i>	<i>1100⁰⁰</i>
<i>290</i>		<i>1</i>			<i>D-Air</i>	<i>2 gal</i>				<i>35⁰⁰</i>	<i>70⁰⁰</i>
<i>279</i>		<i>1</i>			<i>Bestonite gel</i>	<i>6</i>	<i>skt</i>			<i>25⁰⁰</i>	<i>150⁰⁰</i>
<i>330</i>		<i>2</i>			<i>SMD Cement</i>	<i>170</i>	<i>skt</i>			<i>15⁰⁰</i>	<i>2550⁰⁰</i>
<i>276</i>		<i>2</i>			<i>Flocele</i>	<i>50</i>	<i>TF</i>			<i>1⁵⁰</i>	<i>75⁰⁰</i>
<i>581</i>		<i>2</i>			<i>Cement Service Charge</i>	<i>250</i>	<i>skt</i>			<i>1⁵⁰</i>	<i>375⁰⁰</i>
<i>58</i>		<i>2</i>			<i>Drayage</i>	<i>489</i>	<i>VM</i>			<i>1⁰⁰</i>	<i>489⁰⁰</i>

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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 *Wade King*

DATE SIGNED: *8-25-10*

TIME SIGNED: *4:20 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	AMOUNT
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?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	<i>5202.46</i>

1 reqd TAX @ 6.87%

193.46

JOB LOG

SWIFT Services, Inc.

DATE: 8-25-10 PAGE NO. 1

CUSTOMER: *Murphy Drilling, Inc.* WELL NO. # *1-5* LEASE: *Musseman* JOB TYPE: *Port Cellar* TICKET NO. *18209*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							on loc set up trks
								2 7/8" x 5 1/2" P.C. 2116'
								1200 Test Csg
	1030	3	5			200		Open P.C. Take inj rate
	1040	4	0			250		Start Gel
		4.5	18/0			250		Start Cement
		4.5	84			250		circ cement/raise weight
		4.5	90/0			250		End Cement Start Displacement
	1110		11.5			300		Cement Displaced Close PC
	1115							1000 Test Csg
								Run 5 hrs
	1120	3	0					Reverse out
	1130		25					Hole Clean
								170 sks SMD circ 30 sks top it

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Thank you
Nick, Josh F. & Rob

Acct -

cc: WTR
cc: LCR
cc: Leon page 1



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

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Invoice

DATE	INVOICE #
8/17/2010	18825

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

11 New wells
 • Acidizing
 • Cement
 • Tool Rental

J.S.R.

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-5	Mussemann ...	Trego	Murfin Drilling Ri...	Oil	Development	5-1/2" LongString	Jason

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	45	Miles	5.00	225.00
578D-L	Pump Charge - Long String - 4163 Feet	1	Job	1,400.00	1,400.00
402-5	5 1/2" Centralizer	10	Each	55.00	550.00T
403-5	5 1/2" Cement Basket	1	Each	200.00	200.00T
404-5	5 1/2" Port Collar - 2121 Feet	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
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
413-5	5 1/2" Roto Wall Scratcher	10	Each	40.00	400.00T
419-5	5 1/2" Rotating Head Rental	1	Each	150.00	150.00T
283	Salt	1,000	Lb(s)	0.15	150.00T
284	Calseal	9	Sack(s)	30.00	270.00T
276	Flocele	49	Lb(s)	1.50	73.50T
286	Halad-1 (Halad 9)	100	Lb(s)	6.00	600.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
325	Standard Cement	195	Sacks	12.00	2,340.00T
581D	Service Charge Cement	195	Sacks	1.50	292.50
583D	Drayage	458.52	Ton Miles	1.00	458.52
	Subtotal				10,929.52
	Sales Tax Trego County			6.80%	581.64

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We Appreciate Your Business!	Total	\$11,511.16
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CHARGE TO: **MURFIN DRILLING**
 ADDRESS:
 CITY, STATE, ZIP CODE:

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 TICKET 18825
 PAGE 1 OF 2

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1. SERVICE LOCATIONS: **NESS CITY, KS** WELL/PROJECT NO: **1-5** LEASE: **MUSSEMAN UNIT** COUNTY/PARISH: **TREGO** STATE: **KS** CITY: **VODA, KS** DATE: **17 AUG 10** OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: **MURFIN DRILLING RIG# 8** RIG NAME/NO.: SHIPPED VIA: **LOCATION** ORDER NO.:
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **5 1/2 LONGSTRING** WELL PERMIT NO.: WELL LOCATION: **VODA #1-70 1/2 N, 1/2 E, N 1/2**
 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 B 110	45	MIL			5.00	225.00
578		1			PUMP CHARGE	1	JOB	4163	FT.	1400.00	1400.00
402		1			CENTRALIZERS	10	EA			55.00	550.00
403		1			CEMENT BASKET	1	EA			200.00	200.00
404		1			PORT COLLAR 5 1/2	1	EA	2181	FT.	1900.00	1900.00
406		1			LATCH DOWN PLUG & BAFFLE	1	EA			225.00	225.00
407		1			INSERT FLOAT SHOE W/AUTO FILL	1	EA			275.00	275.00
221		1			LIQUID KCL	4	GRZ			25.00	100.00
280		1			FLOCHECK 21	500	GRZ			2.50	1250.00
413		1			BOTO WALL SCRATCHER	10	EA			40.00	400.00
419		1			ROTATING HEAD RENTAL	1	JOB			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 *Wade King*
 DATE SIGNED: **17 AUG 10** TIME SIGNED: 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 1	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	6675.00
WE UNDERSTOOD AND MET YOUR NEEDS?				PAGE 2	4254.52
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	10,929.52
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Tax 6.8%	581.04
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11,511.16
<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: *Adrian E. R...* APPROVAL: _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 18825

CUSTOMER MURFIN DRILLING
WELL MUSSEMANN UNIT 1-S
DATE 17 AUG 10
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF				UM			
283		1				SALT	1000	lbs	15	150.00	
284		1				CALSEAL	9	5x	30	270.00	
276		1				FLOCELE	49	lbs	1.50	73.50	
286		1				HALAD-1	100	lbs	6	600.00	
290		1				D-AIR	2	8x	35	70.00	
<p style="transform: rotate(-45deg);">KCC NOV 08 2010 CONFIDENTIAL</p>											
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED NOV 10 2010 KCC WICHITA</p>											
325		1				STANDARD CEMENT	195	5x	12	2340.00	
581		1				SERVICE CHARGE		CUBIC FEET	1.50	292.50	
583		1				MILEAGE CHARGE	TOTAL WEIGHT 20379	LOADED MILES 45	TON MILES 458.52	1.00	458.52
CONTINUATION TOTAL										4254.52	

JOB LOG

SWIFT Services, Inc.

DATE 17A4610 PAGE NO. 1

CUSTOMER MURFIN DRILLING

WELL NO.

LEASE MUSSEMAN UNIT 1-5

JOB TYPE

5 1/2 LONG STRUT

TICKET NO.

18825

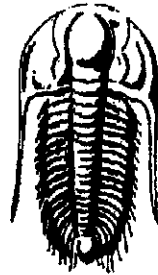
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0310							ON LOCATION
	0525							START PIPE IN WELL
								RTD @ 4165 TOTAL PIPE 4163
								SET @ SHOE JO 19.44
								PORT COLLAR TOP OF. 49 @ 2121'
								CENTRALIZERS 1, 2, 3, 5, 7, 9, 11, 13, 16, 20
								BASKET 48
	0638							CIRCULATE @ 2511' FOR 20 MIN
	0748							DROP BALL CIRCULATE
	0855	6	15			200		PUMP 15 BBL KCL FLUSH
	0857	6	12			200		PUMP 5 DD GAL FLOCAECK
	0859	6	5			200		PUMP 5 BBL KCL FLUSH
	0900		7/5					PLUG RH/MA (30SX-20SX)
	0910	4	35			200		MIX CEMENT. 145 SKS - EA 2 @ 15.6 ppb.
	0925							WASH OUT PUMPING LINES
	0928							RELEASE PLUG
	0930	6				200		DISPLACE PLUG.
	0945		99			1500		PLUG DOWN - LATCH PLUG IN.
	0948							RELEASE PRESSURE
	0955							WASH TRUCK
								RECEIVED
								NOV 10 2010
	1030							JOB COMPLETE KCC WICHITA
								THANKS #110
								JASON, JEFF, LANE

KCC
NOV 08 2010
CONFIDENTIAL

RECEIVED
NOV 10 2010

KCC WICHITA

JASON, JEFF, LANE



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

250 N Water Ste 300
Wichita Ks 67202 -1216

ATTN: Shauna Gunzelman

5-12s-24w Trego, KS

Mussemann Unit #1-5

Start Date: 2010.08.15 @ 20:26:35

End Date: 2010.08.16 @ 05:03:35

Job Ticket #: 38503 DST #: 1

**KCC
NOV 08 2010
CONFIDENTIAL**

RECEIVED

NOV 11 2010

KCC WICHITA

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

Murfin Drilling Co, Inc

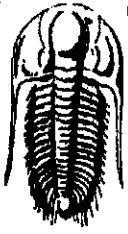
Mussemann Unit #1-5

5-12s-24w Trego, KS

DST # 1

Lansing -1

2010.08.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co, Inc
250 N Water Ste 300
Wichita Ks 67202 - 1216
ATTN: Shauna Gunzelman

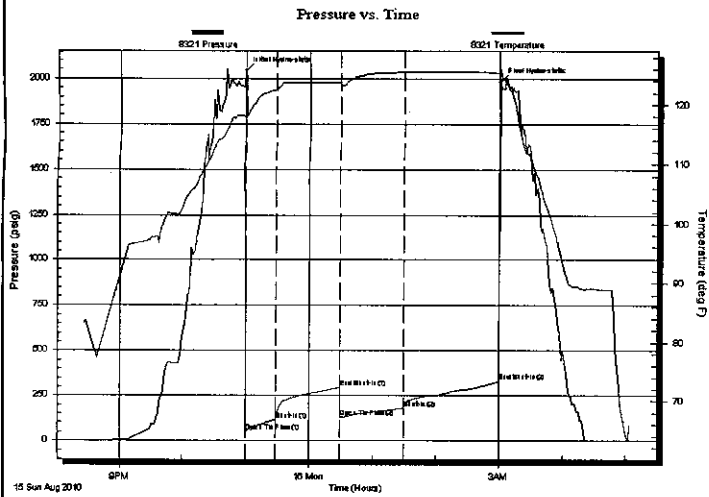
Musseman Unit #1-5
5-12s-24w Trego, KS
Job Ticket: 38503 **DST#: 1**
Test Start: 2010.08.15 @ 20:26:35

GENERAL INFORMATION:

Formation: **Lansing -I**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 23:00:05
Time Test Ended: 05:03:35
Test Type: **Conventional Bottom Hole**
Tester: **Jeff Brown**
Unit No: **44**
Interval: **4037.00 ft (KB) To 4062.00 ft (KB) (TVD)**
Reference Elevations: 2503.00 ft (KB)
Total Depth: **4062.00 ft (KB) (TVD)** 2498.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **5.00 ft**

Serial #: 8321 **Inside**
Press@RunDepth: **177.89 psig @ 4040.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.08.15** End Date: **2010.08.16** Last Calib.: **2010.08.16**
Start Time: **20:26:36** End Time: **05:03:35** Time On Btm: **2010.08.15 @ 22:59:05**
Time Off Btm: **2010.08.16 @ 03:00:35**

TEST COMMENT: IFP-Strong blow BOB in 3 1/2 min
ISI-Strong blow back built to 9 3/4 in
FFP-Strong blow BOB in 15 sec
FSI-Weak blow back built to 2 in died to 1 1/4 in



PRESSURE SUMMARY

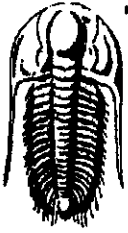
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2042.54	118.29	Initial Hydro-static
1	51.43	118.05	Open To Flow (1)
30	115.87	122.65	Shut-In (1)
90	295.04	123.76	End Shut-In (1)
91	127.26	123.70	Open To Flow (2)
151	177.89	125.48	Shut-In (2)
241	329.18	125.40	End Shut-In (2)
242	1981.72	126.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
58.00	MCOG 20%M 10%G 70%O	0.29
117.00	HOCGM 25%O 35%G 40%M	0.58
283.00	Free Oil	3.97
0.00	819' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co, Inc

Mussemann Unit #1-5

250 N Water Ste 300
Wichita Ks 67202 -1216

5-12s-24w Trego, KS

Job Ticket: 38503

DST#: 1

ATTN: Shauna Gunzelman

Test Start: 2010.08.15 @ 20:26:35

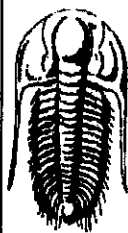
Tool Information

Drill Pipe:	Length: 3871.00 ft	Diameter: 3.80 inches	Volume: 54.30 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 175.00 ft	Diameter: 2.25 inches	Volume: 0.86 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 55.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4037.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4018.00	
Shut In Tool	5.00			4023.00	
Hydraulic tool	5.00			4028.00	
Packer	4.00			4032.00	20.00 Bottom Of Top Packer
Packer	5.00			4037.00	
Stubb	1.00			4038.00	
Perforations	2.00			4040.00	
Recorder	0.00	8321	Inside	4040.00	
Recorder	0.00	8679	Outside	4040.00	
Perforations	19.00			4059.00	
Bullnose	3.00			4062.00	25.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co, Inc
250 N Water Ste 300
Wichita Ks 67202 -1216

Mussemann Unit #1-5
5-12s-24w Trego, KS
Job Ticket: 38503 **DST#: 1**
Test Start: 2010.08.15 @ 20:26:35

ATTN: Shauna Gunzelman

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 68.00 sec/l	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
58.00	MCGO 20%M 10%G 70%O	0.285
117.00	HOCGM 25%O 35%G 40%M	0.575
283.00	Free Oil	3.970
0.00	819' GIP	0.000

Total Length: 458.00 ft Total Volume: 4.830 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

