

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

RECEIVED

AUG 27 2010

**ORIGINAL**

Form ACO-1  
June 2009

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

8/27/12

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

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: Kent Crisler  
Purchaser: MV Purchasing

API No. 15 - 195-22657-0000  
Spot Description: \_\_\_\_\_  
NE SE NW SW Sec. 13 Twp. 12 S. R. 24  East  West  
1800 Feet from  North /  South Line of Section  
1180 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Trego  
Lease Name: Nimz Well #: 1-13  
Field Name: Wildcat  
Producing Formation: LKC  
Elevation: Ground: 2426 Kelly Bushing: 2437  
Total Depth: 4525 Plug Back Total Depth: 4066  
Amount of Surface Pipe Set and Cemented at: 225 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1962 Feet  
If Alternate II completion, cement circulated from: 1962  
feet depth to: Surface w/ 190 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 #: \_\_\_\_\_  
05/01/10 05/07/10 06/02/10  
Spud Date or 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: 08/27/10

**KCC Office Use ONLY**  
 Letter of Confidentiality Received Date: 8/27/10 - 8/27/12  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NO Date: 8-3-10

KCC

Operator Name: Murfin Drilling Company, Inc. Lease Name: Nimz Well #: 1-13 AUG 27 2010  
 Sec. 13 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Compensated Porosity,                  Microresistivity</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  See Attached List  <div style="text-align: center;"> <b>RECEIVED</b>  <b>AUG 27 2010</b>  <b>KCC WICHITA</b> </div>
--	--

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#	225	Common	165	3% cc, 2% gel
Production		5 1/2	15.5#	4086	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 (Amount and Kind of Material Used)	Depth
4	LKC "I" 3958-3966	250 gal 15% MCA, 3000 gal 15% gelled acid	

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>4049</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>06/05/10</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>13</u>	Gas Mcf <u>3</u> 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 checked="" 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: <u>3958-3966</u>
---	--	--

MDCI Nimz #1-13 1800 FSL 1180 FWL Sec. 13-T12S-R24W 2437' KB					John O Farmer, Inc. #1 Deines C NW NW Sec. 18-12S-23W 2459' KB			MDCI Neff #1-22 2310 FNL 1900 FEL Sec. 22-12S-24W 2414' KB		
Formation	Sample top	Datum	Log tops	Datum	Log Top	Datum	Ref	Log Top	Datum	Ref
Anhydrite	1955	+482	1953	+484	1971	+488	-4	1955	+459	+25
B/Anhydrite	2000	+437	1994	+443	2017	+442	+1	1996	+418	+25
Topeka	3530	-1093	3528	-1091	3568	-1101	+10	3518	-1104	+13
Heebner	3754	-1317	3754	-1317	3794	-1335	+18	3744	-1330	+13
Toronto	3775	-1338	3775	-1338	3816	-1357	+19	3764	-1350	+12
Lansing	3790	-1353	3789	-1352	3830	-1371	+19	3779	-1365	+13
BKC	4036	-1599	4034	-1597	4083	-1624	+27	4030	-1616	+19
Pawnee	4128	-1695	4128	-1691	4173	-1714	+23	4122	-1708	+17
Ft. Scott	4229	-1792	4230	-1793	4276	-1817	+24	4226	-1812	+19
Cherokee	4253	-1816	4250	-1813	4296	-1837	+24	4249	-1835	+22
Mississippi	4328	-1891	4325	-1882	4370	-1911	+29	4325	-1911	+29
Mississippi lm	4359	-1922	4358	-1921						
Viola	4396	-1959	4404	-1967						
Arbuckle	4472	-2035	4477	-2040						
RTD	4525				4420			4380	-1966	
LTD			4526		4420			4381	-1967	

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PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 122570

Invoice Date: May 1, 2010

Page: 1

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

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

*operator pay mdc BR*  
 PROD COPY

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	<u>Nimz #1-13</u>	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-05	Oakley	May 1, 2010	5/31/10

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	13.50	2,227.50
3.00	MAT	Gel	20.25	60.75
6.00	MAT	Chloride	51.50	309.00
174.00	SER	Handling	2.25	391.50
45.00	SER	Mileage 174 sx @ .10 per sk per mi	17.40	783.00
1.00	SER	Squeeze	991.00	991.00
45.00	SER	Pump truck Mileage	7.00	315.00
1.00	EQP	8.5/8 Wooden Plug	67.00	67.00

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Account	Unit	W	Description
03600	02040	3632	5299.28 (1800.66)
			Conquest S. Csg.

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

\$ 1800.66

ONLY IF PAID ON OR BEFORE

May 26, 2010

Subtotal	5,144.75
Sales Tax	154.53
Total Invoice Amount	5,299.28
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,299.28</b>

*1800.66*  
3498.62

# ALLIED CEMENTING CO., LLC. 038836

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

SERVICE POINT:  
*Be KCC, KS*

DATE <i>5/11/10</i>	SEC. <i>13</i>	TWP. <i>12</i>	RANGE <i>24</i>	CALLED OUT	ON LOCATION <i>8:30p</i>	JOB START <i>9:00</i>	JOB FINISH <i>9:30p</i>
LEASE <i>Mim 2</i>	WELL # <i>1-13</i>	LOCATION <i>F70 + Voda Rd Ste Adj</i>			COUNTY <i>Trego</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>3E</i>							

CONTRACTOR *Murkin 20*

TYPE OF JOB *Square 22*

HOLE SIZE *2 1/4* T.D. *225*

CASING SIZE *8 5/8* DEPTH *224*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13.31*

OWNER *Same*

CEMENT AMOUNT ORDERED *165 Com 301cc 200gal*

COMMON	<i>165</i>	@	<i>1350</i>	<i>222.50</i>
POZMIX		@		
GEL	<i>3</i>	@	<i>20.25</i>	<i>60.75</i>
CHLORIDE	<i>6</i>	@	<i>57.50</i>	<i>309.00</i>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>174.5K</i>	@	<i>2.25</i>	<i>391.50</i>
MILEAGE	<i>104.5K/mile</i>			<i>783.00</i>
TOTAL				<i>3271.75</i>

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EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

# *422* HELPER *Wayne*

BULK TRUCK DRIVER *Darren*

# *377*

BULK TRUCK DRIVER

REMARKS:  
*Cement did circulate*

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *991.00*

EXTRA FOOTAGE @

MILEAGE *45 miles* @ *7.00* *315.00*

MANIFOLD @

TOTAL *1306.00*

CHARGE TO: *Murkin Drilling*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

*8" P Wooden Plug* @ *67.00*

TOTAL *67.00*

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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 *Dreg Gordon*

SIGNATURE *Dreg Gordon*

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



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



CC: WIZ  
cc: W F  
cc: Lem p. 1

# Invoice

DATE	INVOICE #
6/24/2010	18020

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

- Acidizing
- Cement
- Tool Rental

33  
*[Signature]*

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-13	Nimz	Trego	Murfin Drilling	Oil	Development	Cement Port Collar	Dave
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
576D-D	Pump Charge - Port Collar				1	Job	1,100.00	1,100.00
279	Bentonite Gel				15	Sack(s)	25.00	375.00T
288	Sand (20/40 Brady)				2	Sack(s)	22.00	44.00T
290	D-Air				3	Gallon(s)	35.00	105.00T
330	Swift Multi-Density Standard (MIDCON II)				190	Sacks	15.00	2,850.00T
276	Flocele				63	Lb(s)	1.50	94.50T
581D	Service Charge Cement				250	Sacks	1.50	375.00
583D	Drayage				499.26	Ton Miles	1.00	499.26
	Subtotal							5,642.76
	Sales Tax Trego County						5.80%	201.17

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<b>We Appreciate Your Business!</b>	<b>Total</b>	<b>\$5,843.93</b>
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CHARGE TO: MURFIN DR LG

ADDRESS

CITY, STATE, ZIP CODE

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TICKET  
18020

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>HAYS</u>	WELL/PROJECT NO. <u>1-13</u>	LEASE <u>NIMZ</u>	COUNTY/PARISH <u>TREGO</u>	STATE <u>KS</u>	CITY	DATE <u>06-24-10</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>MURFIN DR LG</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>3rd, 1/2s, WAVELEY</u>	ORDER NO.	
3.	WELL TYPE <u>DIL</u>	WELL CATEGORY <u>Develop</u>	JOB PURPOSE <u>CMT. PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #112	40	mi			5.00	200	00
5760		1			Pump Service	1	EA			1100.00	1100	00
279		1			BENTONITE GEL	15	SK			25.00	375	00
288		1			DD-SAND	2	SK			<del>22.50</del> 22.00	<del>44</del> 44	00
290		1			D-AIR	3	GAZ			35.00	105	00
330		2			SMD CMT	190	SK			15.00	2850	00
276		2			FLOCELL	63	LB			1.50	94	50
581		2			SERVICE CMT	250	SK			1.50	375	00
583		2			DAMAGE	499.26	TM			1.00	499	26

**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 [Signature]

DATE SIGNED 06-24-10 TIME SIGNED 0800  A.M.  P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	4.2
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					56 <del>76</del>
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	5843.93

1.00% TAX 5.06% 201.17

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

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 062410 PAGE NO. 1  
 TICKET NO. 18220

CUSTOMER MURFIN ORLS WELL NO. 1-13 LEASE NIMZ JOB TYPE CMT, PORT COLLAR

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/DAY)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0820							DN LOCATION CMT: 250 SMD 1/2" FLEXCEL 250 SAND, 1550 GEL 2 <sup>3</sup> / <sub>16</sub> x 5/2 RBP 3508
	0810		0 80	✓ ✓				CIRC OIL OUT OF HAZE, TBL @ 3477 END
	0835			✓	✓	1050	1050	PSZ TEST, H <sub>2</sub> O
	0840		115	✓				PULL TBG TO 3276, SPOT 2000 SAND PULL TBG UP TO LOCATE P.C.
	1000			✓	✓	1050	1050	P.C. @ 1962, PSZ OPEN A
	1005	3.5	10.0	✓		600		INTS RATE
		3.5	0	✓		600		START GEL 1550, GET SLOW RETURNS
		3.5	61.0	✓		600		END GEL
		3.5	2.0	✓		600		2800 H <sub>2</sub> O SPACER
	1010		0	✓		500		START CMT @ 11.2 <sup>1</sup> / <sub>32</sub> "
			7.5	✓		600		CMT ON A GETTING BETTER RETURNS
			94	✓		700		CIRC CMT TO PIT!, MIX 20 SMO @ 14 <sup>1</sup> / <sub>32</sub> "
			100	✓		700		END
	1110		6.5	✓		700		DISP CLOSE A
	1115			✓	✓	1050	1050	PSI TEST RUN IN 7500 TBL @ 2185
	1120	2.5	0	✓		300		REV. OUT
			9.0	✓				1ST FLG
			13.0	✓				2ND FLG
			20	✓				ALL CLEAN
								RUN TBL DOWN TO RBP
	1245	2.0	0	✓		300		WASH SAND OFF RBP
		22	7.0	✓		400		
		22	18.5	✓		400		SAND
	1310	2.2	50.0	✓		250		END
	1330							JOB COMPLETE THANK YOU! DAVE, JOHNS, JOHN

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

Accty - cc: Liz  
cc: WF  
cc: Lem p 1

# Invoice

DATE	INVOICE #
5/8/2010	17628

**BILL TO**

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

KCC  
AUG 27 2010  
KCC WICHITA

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-13	Nimz	Trego	Murfin Drilling	Oil	Development	Cement LongStri...	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
578D-L	Pump Charge - Long String	1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer	10	Each	55.00	550.00T
403-5	5 1/2" Cement Basket	2	Each	200.00	400.00T
404-5	5 1/2" Port Collar	1	Each	1,900.00	1,900.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	275.00	275.00T
413-5	5 1/2" Roto Wall Scratcher	10	Each	40.00	400.00T
419-5	5 1/2" Rotating Head Rental	1	Each	150.00	150.00T
325	Standard Cement	150	Sacks	12.00	1,800.00T
276	Flocele	38	Lb(s)	1.50	57.00T
283	Salt	750	Lb(s)	0.15	112.50T
284	Calseal	7	Sack(s)	30.00	210.00T
285	CFR-1	106	Lb(s)	4.00	424.00T
328-4	60/40 Pozmix (4% Gel)	45		9.75	438.75T
581D	Service Charge Cement	195	Sacks	1.50	292.50
583D	Drayage	389.6	Ton Miles	1.00	389.60
	Subtotal				10,644.35
	Sales Tax Trego County			5.80%	485.01
	USED FOR				
	APPROVED				
					RECEIVED AUG 27 2010 KCC WICHITA

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$11,129.36
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CHARGE TO:  
*Martin Drq Co.*  
 ADDRESS  
 CITY, STATE, ZIP CODE

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 AUG 27 2010  
 KCC WICHITA

TICKET  
 17628

PAGE	OF
1	2

SERVICE LOCATIONS 1. <i>Hays, KS</i>	WELL/PROJECT NO. 1-13	LEASE <i>Nimz</i>	COUNTY/PARISH <i>Trego</i>	STATE <i>Ks</i>	CITY	DATE <i>5-8-10</i>	OWNER
2. <i>Ness City, KS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Martin Drq</i>	RIG NAME/NO. #20	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>W/Wakeeney, KS</i>	ORDER NO.	
3.	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Wildcat</i>	JOB PURPOSE <i>Cement Longstring</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM			
575		1			MILEAGE #113	40	mi	5.20		208.00
578		1			Pump Charge- cement longstring	1	ea	1400.00		1400.00
221		1			Liquid KCL	4	gal	25.00		100.00
280		1			Flocheck 21	500	gal	2.50		1250.00
290		1			D-Air	2	gal	35.00		70.00
402		1			Centralizers	10	ea	5 1/2 in	55.00	550.00
403		1			Cement Baskets	2	ea	5 1/2 in	200.00	400.00
404		1			Part Collar	1	ea	5 1/2 in	1900.00	1900.00
406		1			Latch Down Plug + Baffle	1	ea	5 1/2 in	225.00	225.00
407		1			Insert Float Shoe w/ Auto-Fill	1	ea	5 1/2 in	275.00	275.00
413		1			Retr Wall Scooters	10	ea	5 ft.	40.00	400.00
419		1			Rotating Head Rental	1	ea	5 1/2 in	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 *5-8-10* 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	P.1	P.2
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	6980.00
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	3724.35
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	10644.35
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Trego Tax 5.8%	485.01
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11,129.36
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR *Don Lemman* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 17628

CUSTOMER Muslin Drg Co	WELL 1-13 Nimz	DATE 5-8-10	PAGE 2	OF 2
---------------------------	-------------------	----------------	-----------	---------

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M				
325		2				Standard Cement	EH-2	150	SKS	14100	lbs	12.00	1800.00	
276		2				Floccite		381	lbs			1.50	571.00	
283		2				Salt		750	lbs			.15	112.50	
284		2				Calsoal		705	lbs	7	SKS	30.00	210.00	
285		2				CFR-1		116	lbs			4.00	464.00	
328-4		2				60/40 PBZ	4% gal	45	SKS	3781	lbs	9.25	4387.5	
581		2				SERVICE CHARGE	Cement					150	292.50	
583		2				MILEAGE CHARGE	TOTAL WEIGHT	19480	lbs	LOADED MILES	40	TON MILES	389.6	389.60

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AUG 17 2010  
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CONTINUATION TOTAL 3724.35

JOB LOG

SWIFT Services, Inc.

DATE 5-8-10 PAGE NO. 1

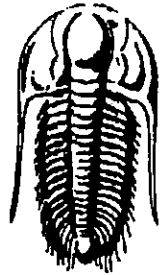
CUSTOMER *Martin Drilling Co* WELL NO. *1-13* LEASE *Nimz* JOB TYPE *Contract L.S.* TICKET NO. *17628*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD-4525	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	1600								On location with F.E. - Rig LD D.C.
	1700								Start 5 1/2 SIKS - 15.5 #/ft to 4086'
									Insert Float Shoe w/ auto fill
									LD Baffle - 55 - 16'
									Cent - 2-3-4-5-7-9-11-14-17-20
									Cent Bkt. #2 & 50
									Port Collar # 51 collar @ 1966' 1966'
	1810								Rig cir csg 1/2 way in hole 1/2 HR
	1915								Rig Fla run casing Ball Droped (bits out)
	1920								Start cir & Rotate casing
	1945								Rig lay down RH/MH - Fin @ 2020
	2025								Fin cir
	2030		7						Plug RH - 30 SKS 60/40 Pz, 4% Gel
			5						Plug MH 15 SKS 60/40 Pz, 4% Gel
	2040	6	15				250		Pump 15 BBI KCL flush
		5	12				200		Pump 500 gel F/Check-21
		6	5				250		Pump 5 BBI KCL spacer
		4 1/2					200		Start 150 SIKS EA-2 cent @ 15.5 #/gel
	2055								Fin cent.
	<del>2100</del>								Wash out Pump Lines
									Drop L.D. Plug
	2100	9					350		Start Displ - 96.5 BBI - 1 <sup>st</sup> 20 KCL wtr
		8	78				400		Caught out - slow rate
		6	90				500		Slow rate
		5	96 1/2				800		Press before plug down
	2115		97				1500		Plug Down - Hold - Release & Hold
									Job Complete
									Washup & Hook up

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AUG 27 2010  
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*Thanks*  
L. Don, Doug & Shane

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AUG 27 2010  
KCC WICHITA



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

250 N. Water Ste. 300  
Wichita, Ks  
67202

ATTN: Kent Crisler

**13-12s-24w Trego KS**

**Nimz 1-13**

Start Date: 2010.05.05 @ 16:10:09

End Date: 2010.05.05 @ 21:58:03

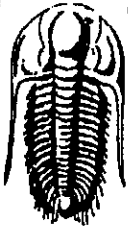
Job Ticket #: 38175                      DST #: 1

KCC  
AUG 27 2010  
OGNE. JEN. 101

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AUG 27 2010

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 Ste. 300  
Wichita, Ks  
67202  
ATTN: Kent Crisler

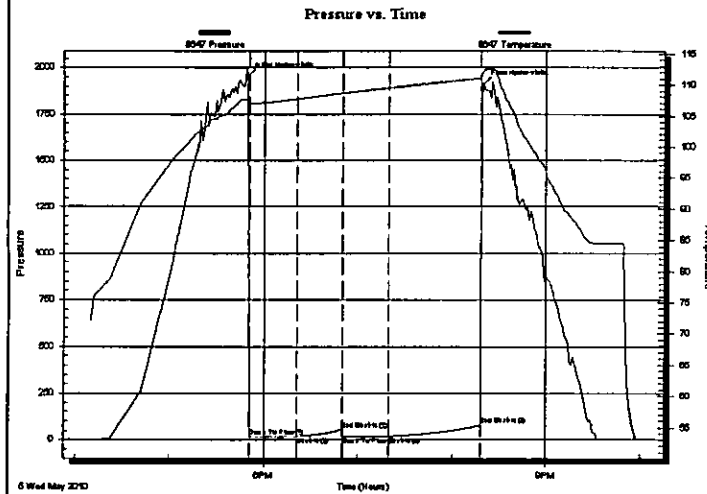
**Nimz 1-13**  
**13-12s-24w Trego KS**  
Job Ticket: 38175      DST#: 1  
Test Start: 2010.05.05 @ 16:10:09

## GENERAL INFORMATION:

Formation: **LKC "H"**  
Deviated: **No Whipstock:**                      ft (KB)  
Time Tool Opened: 17:50:34  
Time Test Ended: 21:58:03  
Interval: **3916.00 ft (KB) To 3956.00 ft (KB) (TVD)**  
Total Depth: **3956.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition:  
Test Type: **Conventional Bottom Hole**  
Tester: **Brian Fairbank**  
Unit No: **41**  
Reference Elevations: **2437.00 ft (KB)**  
**2426.00 ft (CF)**  
KB to GR/CF: **11.00 ft**

**Serial #: 8647**      Inside  
Press@RunDepth: **19.04 psig @ 3919.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.05.05**      End Date: **2010.05.05**      Last Calib.: **2010.05.05**  
Start Time: **16:10:09**      End Time: **21:58:03**      Time On Btm: **2010.05.05 @ 17:49:34**  
Time Off Btm: **2010.05.05 @ 20:19:34**

TEST COMMENT: IFP - sur blow - died 2 min.  
ISI - no blow back  
FFP - no blow  
FSI - no blow back



## PRESSURE SUMMARY

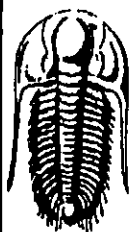
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.96	107.48	Initial Hydro-static
1	17.97	106.66	Open To Flow (1)
31	18.88	107.64	Shut-In(1)
60	55.32	108.60	End Shut-In(1)
61	18.35	108.60	Open To Flow (2)
90	19.04	109.50	Shut-In(2)
149	77.34	111.12	End Shut-In(2)
150	1913.64	112.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCM 3%O, 97%M	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.

Nimz 1-13

250 N. Water Ste. 300  
Wichita, Ks  
67202

13-12s-24w Trego KS

Job Ticket: 38175

DST#: 1

ATTN: Kent Crisler

Test Start: 2010.05.05 @ 16:10:09

### Tool Information

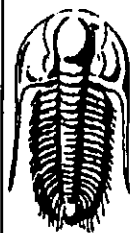
Drill Pipe:	Length: 3724.00 ft	Diameter: 3.80 inches	Volume: 52.24 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3916.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3894.00	
Hydraulic tool	5.00			3899.00	
Jars	5.00			3904.00	
Safety Joint	2.00			3906.00	
Packer	5.00			3911.00	27.00 Bottom Of Top Packer
Packer	5.00			3916.00	
Stubb	1.00			3917.00	
Perforations	1.00			3918.00	
Change Over Sub	1.00			3919.00	
Recorder	0.00	8647	Inside	3919.00	
Recorder	0.00	8371	Outside	3919.00	
Blank Spacing	31.00			3950.00	
Change Over Sub	1.00			3951.00	
Perforations	2.00			3953.00	
Bullnose	3.00			3956.00	40.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co., Inc.

**Nimz 1-13**

250 N. Water Ste. 300  
Wichita, Ks  
67202

**13-12s-24w Trego KS**

Job Ticket: 38175      DST#: 1

ATTN: Kent Crisler

Test Start: 2010.05.05 @ 16:10:09

### 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:

bbf

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	VSOCM 3%O, 97%M	0.010

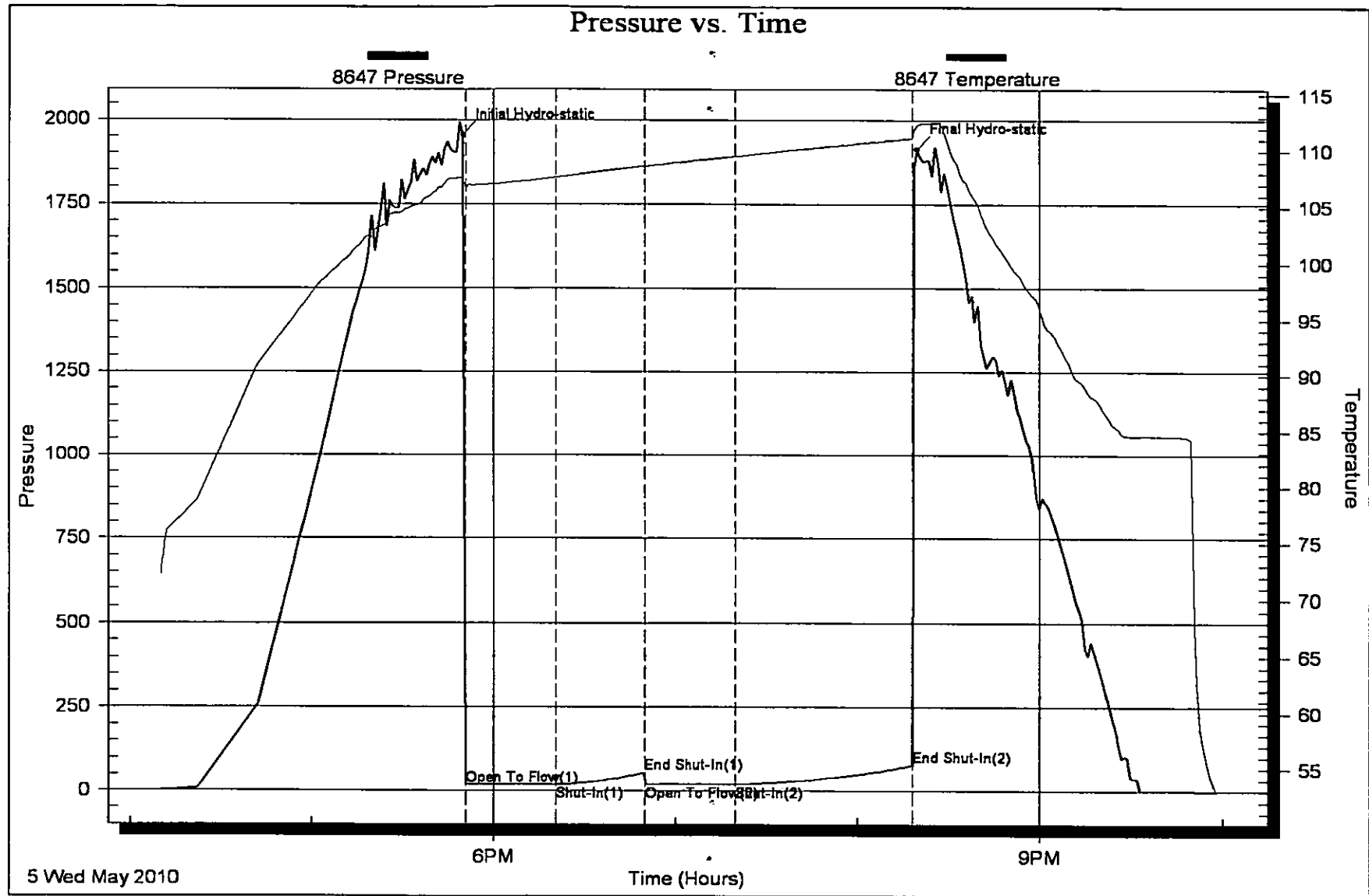
Total Length: 2.00 ft      Total Volume: 0.010 bbf

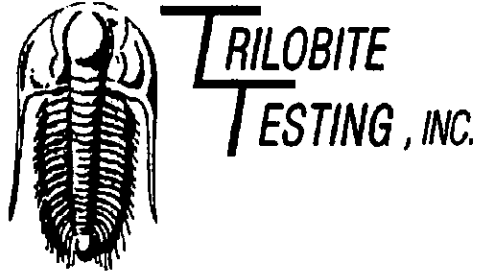
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

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

250 N. Water Ste. 300  
Wichita, Ks  
67202

ATTN: Kent Crisler

**13-12s-24w Trego KS**

**Nimz 1-13**

Start Date: 2010.05.06 @ 05:17:04

End Date: 2010.05.06 @ 13:26:28

Job Ticket #: 38451                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co., Inc.

Nimz 1-13

13-12s-24w Trego KS

DST # 2

LKC "1"

2010.05.06



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.

Nimz 1-13

250 N. Water Ste. 300  
Wichita, Ks  
67202  
ATTN: Kent Crisler

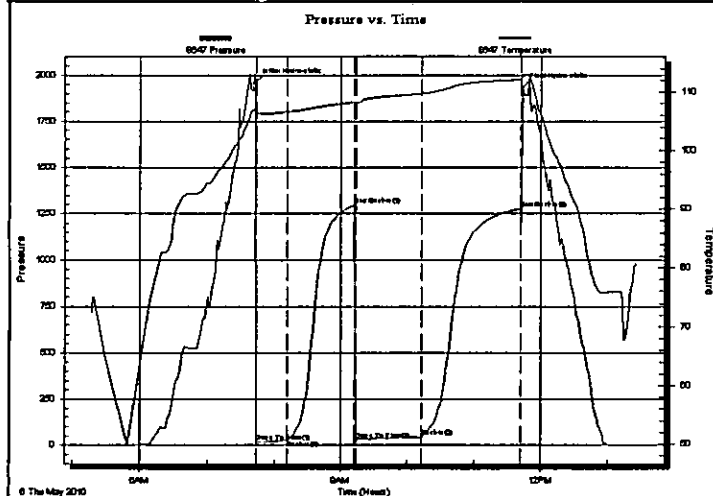
13-12s-24w Trego KS  
Job Ticket: 38451 DST#: 2  
Test Start: 2010.05.06 @ 05:17:04

### GENERAL INFORMATION:

Formation: LKC "I"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 07:43:59  
Time Test Ended: 13:26:28  
Interval: 3946.00 ft (KB) To 3976.00 ft (KB) (TVD)  
Total Depth: 3976.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Bottom Hole  
Tester: Brian Fairbank  
Unit No: 41  
Reference Elevations: 2437.00 ft (KB)  
2426.00 ft (CF)  
KB to GR/CF: 11.00 ft

Serial #: 8647 Inside  
Press@RunDepth: 43.25 psig @ 3948.00 ft (KB)  
Start Date: 2010.05.06 End Date: 2010.05.06  
Start Time: 05:17:04 End Time: 13:26:28  
Capacity: 8000.00 psig  
Last Calib.: 2010.05.06  
Time On Btm: 2010.05.06 @ 07:42:59  
Time Off Btm: 2010.05.06 @ 11:43:28

TEST COMMENT: IFP - weak to fair blow 1/4" - 3 1/2"  
ISI - no blow back  
FFP - weak to good blow 1" - 8"  
FSI - no blow back



### PRESSURE SUMMARY

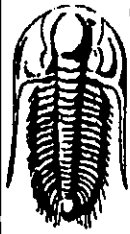
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.51	106.81	Initial Hydro-static
1	18.12	106.17	Open To Flow (1)
29	24.65	106.59	Shut-In(1)
90	1296.85	108.26	End Shut-In(1)
91	28.75	107.94	Open To Flow (2)
150	43.25	109.79	Shut-In(2)
239	1276.21	112.16	End Shut-In(2)
241	1935.62	112.92	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	GOCM 5%G, 10%O, 85%M	0.10
70.00	G FREE OIL 5%G, 90%O, 5%M	0.34
0.00	120' GIP	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 Ste. 300  
Wichita, Ks  
67202  
ATTN: Kent Crisler

**Nimz 1-13**  
**13-12s-24w Trego KS**  
Job Ticket: 38451      DST#: 2  
Test Start: 2010.05.06 @ 05:17:04

**Tool Information**

Drill Pipe:	Length: 3755.00 ft	Diameter: 3.80 inches	Volume: 52.67 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: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3946.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3924.00	
Hydraulic tool	5.00			3929.00	
Jars	5.00			3934.00	
Safety Joint	2.00			3936.00	
Packer	5.00			3941.00	27.00      Bottom Of Top Packer
Packer	5.00			3946.00	
Stubb	1.00			3947.00	
Perforations	1.00			3948.00	
Recorder	0.00	8647	Inside	3948.00	
Recorder	0.00	8371	Outside	3948.00	
Perforations	25.00			3973.00	
Bullnose	3.00			3976.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Murfin Drilling Co., Inc.

Nimz 1-13

250 N. Water Ste. 300

13-12s-24w Trego KS

Wichita, Ks

Job Ticket: 38451

DST#: 2

67202

ATTN: Kent Crisler

Test Start: 2010.05.06 @ 05:17:04

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
20.00	GOCM 5%G, 10%O, 85%M	0.098
70.00	G FREE OIL 5%G, 90%O, 5%M	0.344
0.00	120' GIP	0.000

Total Length: 90.00 ft

Total Volume: 0.442 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

