



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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 #: \_\_\_\_\_

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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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

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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 20, 2011

Leon Rodak  
Murfin Drilling Co., Inc.  
250 N WATER STE 300  
WICHITA, KS 67202-1216

Re: ACO1  
API 15-171-20824-00-00  
Minnix 1-7  
NW/4 Sec.07-20S-34W  
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Leon Rodak

MDCI  
Minnix #1-7  
900' FNL 335' FWL  
Sec. 7-T20S-R34W  
3140' KB

Thunderbird Drlg.  
Lehman 'C' #1  
4620' FSL 660' FEL  
Sec. 31-T19S-R34W  
3093' KB

Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite	2310	+830	+18	2311	+829	-17	2281	+812
B/Anhydrite	2328	+812	+19	2328	+812	-19	2300	+793
Neva				3228	-88	+1	3182	-89
Heebner	3999	-859	-5	3999	-859	-5	3947	-854
Lansing	4046	-906	-7	4049	-909	-10	3992	-899
Stark	4363	-1223	-9	4359	-1219	-5	4307	-1214
Pawnee				4614	-1474	+5	4572	-1479
Ft. Scott	4652	-1512	+11	4655	-1515	+8	4616	-1523
Johnson				4738	-1598	+4	4695	-1602
Mississippi	4930	-1790	+15	4928	-1788	+17	4898	-1805
RTD	5080						5021	
LTD				5082			5021	





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Company  
250 N Water STE 300  
Wichita KS, 67202 - 1216  
ATTN: Wes Hansen

**Minnix 1-7**  
**7-20s-34w**  
Job Ticket: 43245      **DST#: 1**  
Test Start: 2011.08.15 @ 11:50:00

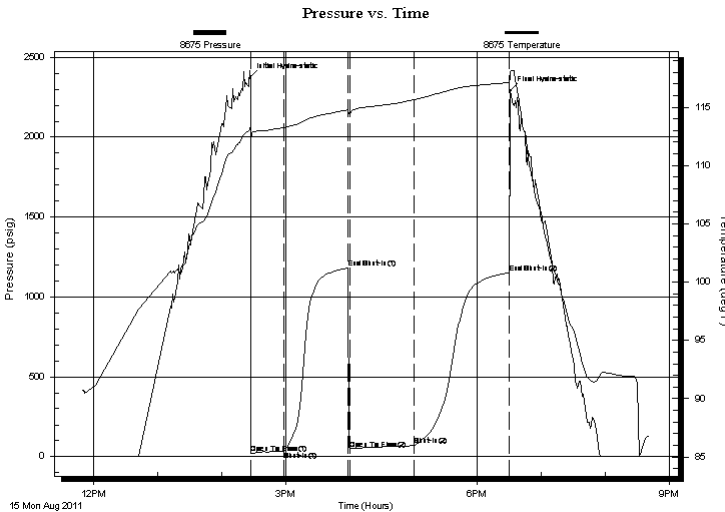
## GENERAL INFORMATION:

Formation: **Upper Pawnee**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 14:28:00  
Time Test Ended: 20:41:45  
Interval: **4600.00 ft (KB) To 4647.00 ft (KB) (TVD)**  
Total Depth: 4647.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition:  
Test Type: Conventional Bottom Hole  
Tester: Jace McKinney  
Unit No: 28  
Reference Elevations: 3140.00 ft (KB)  
3129.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8675      Inside**  
Press @ Run Depth: 69.78 psig @ 4601.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.08.15      End Date: 2011.08.15      Last Calib.: 2011.08.15  
Start Time: 11:50:01      End Time: 20:41:45      Time On Btm: 2011.08.15 @ 14:26:45  
Time Off Btm: 2011.08.15 @ 18:30:45

**TEST COMMENT:** Built to 5" blow  
No return blow  
B.O.B. in 48 min.  
No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2370.76	113.24	Initial Hydro-static
2	20.51	112.10	Open To Flow (1)
32	33.99	113.26	Shut-In(1)
92	1181.21	114.79	End Shut-In(1)
94	48.68	114.50	Open To Flow (2)
154	69.78	115.64	Shut-In(2)
244	1150.81	117.13	End Shut-In(2)
244	2288.18	118.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	372 feet gas in pipe	0.00
120.00	ocm 50% O 50 % M	0.59
20.00	100% O	0.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company  
250 N Water STE 300  
Wichita KS, 67202 - 1216  
ATTN: Wes Hansen

**Minnix 1-7**  
**7-20s-34w**  
Job Ticket: 43245      **DST#: 1**  
Test Start: 2011.08.15 @ 11:50:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5100.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	372 feet gas in pipe	0.000
120.00	ocm 50% O 50 % M	0.590
20.00	100% O	0.098

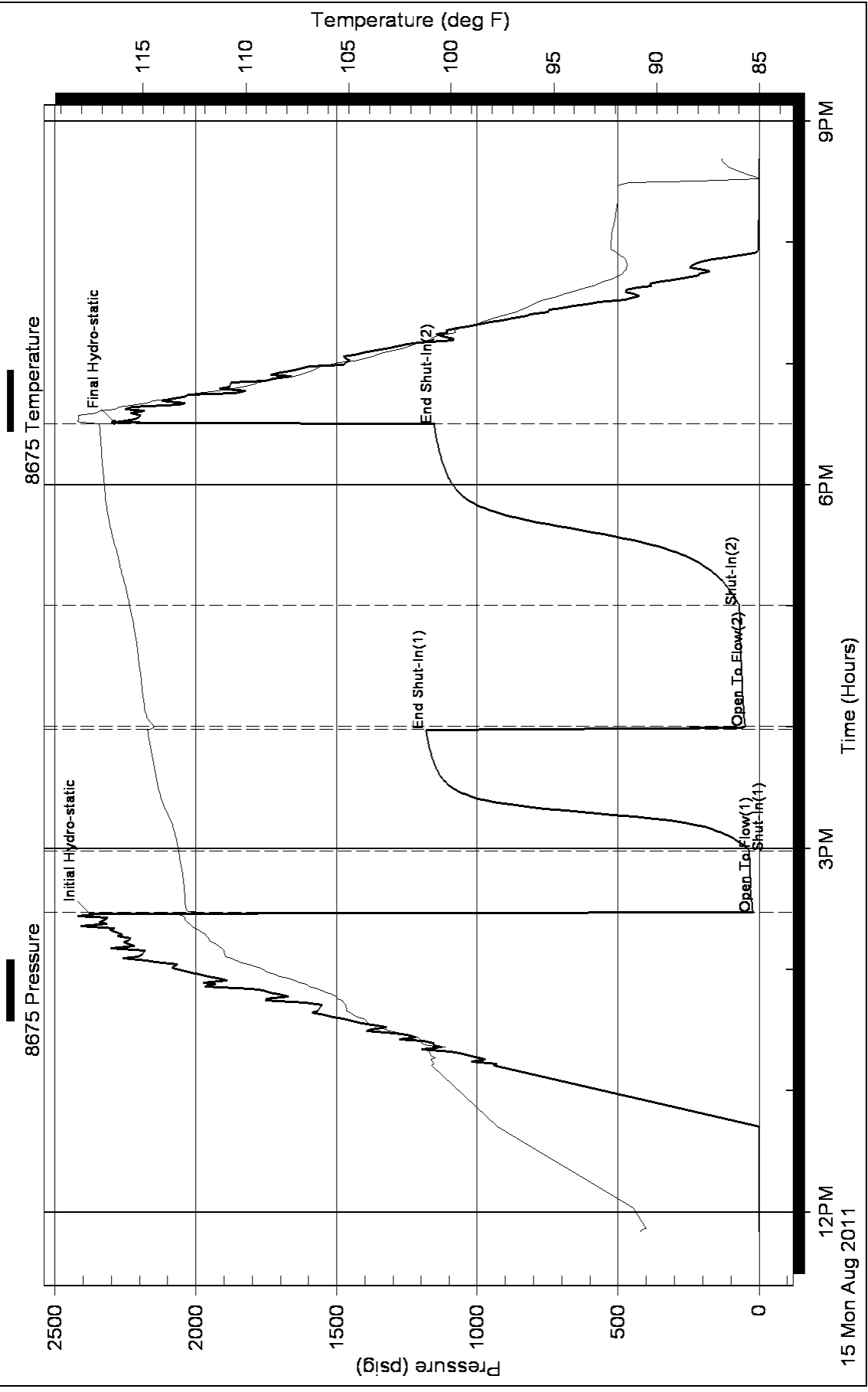
Total Length: 140.00 ft      Total Volume: 0.688 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API: 34 @ 90 = 31

### Pressure vs. Time







PO BOX 31 Russell, KS 67665

**PROD COPY INVOICE**

*acct. by*

Invoice Number: 128194

Invoice Date: Aug 10, 2011

Page: 1

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

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

Federal Tax I.D.#: 20-5975804

*operator pay mpc/m*

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Murfin	Minnix #1-7	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 10, 2011	9/9/11

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	16.25	2,843.75
6.00	MAT	Chloride	58.20	349.20
181.00	SER	Handling	2.25	407.25
65.00	SER	Mileage	19.91	1,294.15
1.00	SER	Surface	1,125.00	1,125.00
130.00	SER	Heavy Vehicle Mileage	7.00	910.00
1.00	SER	Manifold Head Rental	200.00	200.00
130.00	SER	Light Vehicle Mileage	4.00	520.00
1.00	EQP	8 5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	Alan Ryan		
1.00	CEMENTER	Terry Heinrich		
1.00	OPER ASSIST	Ethan Glassman		

Account	Amount	Description
ED203	7981.15 (2709.48)	10 km Cement S. (Sg) #1-7
3. 5024.0001		

Subtotal	7,741.35
Sales Tax	239.80
Total Invoice Amount	7,981.15
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,981.15</b>

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

**\$ 2709.48**

ONLY IF PAID ON OR BEFORE **Sep 4, 2011**

*km*

*-2709.48*

*5271.67*

# ALLIED CEMENTING CO., LLC. 040007

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Oakley, KY

DATE <u>8/10/11</u>	SEC. <u>7</u>	TWP. <u>20</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00</u>	JOB FINISH <u>3:30</u>
LEASE <u>Minnix</u>	WELL # <u>1-7</u>	LOCATION <u>Scott City 12W 10S E. 5 R 20</u>			COUNTY <u>Scott</u>	STATE <u>KY</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR MurFin 20 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 224 1/2 FT CEMENT AMOUNT ORDERED 175 com 370cc

CASING SIZE 8 5/8 DEPTH 224 1/2 FT

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON 175 @ 16 25 2834 25

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. 15' GEL @

PERFS. CHLORIDE 6 @ 52 20 349 20

DISPLACEMENT 13.34 ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Alan

# 422 HELPER Terry

BULK TRUCK DRIVER Earl

BULK TRUCK DRIVER

HANDLING 181 SKS @ 2 25 407 25

MILEAGE 118 SK/mile 1294 15

TOTAL 4885 35

REMARKS:

175 com 370cc  
Displace Plug w/ 13.34 bbl fluid

Cement did Circulate

Thank You  
Alan Terry Earl

SERVICE

DEPTH OF JOB 224 1/2 FT

PUMP TRUCK CHARGE 1125 00

EXTRA FOOTAGE @

MILEAGE 65 x 2 @ 7 00 910 00

MANIFOLD \*thead @ 4 00 200 00

Site vehicle 65 x 2 @ 4 00 520 00

TOTAL 2255 00

CHARGE TO: MurFin Drilling

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 Wood Plug @ 92 00

@

@

@

@

TOTAL 92 00

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 KELLY WILSON

SIGNATURE Kelly Wilson

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

5271.67

cc LR-1  
Scan Liz



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



# Invoice

DATE	INVOICE #
8/18/2011	20996

BILL TO
Murfin Drilling Co Inc - Russell P. O. Box 288 Russell, KS 67665-0288

- Acidizing
- Cement
- Tool Rental

USED FOR IC 103  
APPROVED [Signature]

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-7	Minnix	Scott	Company Tools	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
407-4	4 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00T
403-4	4 1/2" Cement Basket				2	Each	250.00	500.00T
408-4	4 1/2" D.V. Tool & Plug Set				1	Each	2,700.00	2,700.00T
409-4	4 1/2" Turbolizer				15	Each	70.00	1,050.00T
413-4	4 1/2" Roto Wall Scratcher				25	Each	40.00	1,000.00T
417-4	4 1/2" D.V. Latch Down Plug & Baffle				1	Each	200.00	200.00T
290	D-Air				5	Gallon(s)	35.00	175.00T
280	Flocheck 21				500	Gallon(s)	2.50	1,250.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
330	Swift Multi-Density Standard (MIDCON II)				350	Sacks	16.50	5,775.00T
325	Standard Cement				250	Sacks	13.50	3,375.00T
284	Calseal				12	Sack(s)	35.00	420.00T
283	Salt				1,250	Lb(s)	0.20	250.00T
285	CFR-1				175	Lb(s)	4.00	700.00T
276	Flocele				50	Lb(s)	2.00	100.00T
580	Additional Hours (If Circulate More Than 1 Hour)				1	Hours	200.00	200.00
581D	Service Charge Cement				600	Sacks	2.00	1,200.00
583D	Drayage				2,480.14	Ton Miles	1.00	2,480.14
	Subtotal							23,755.14
	Sales Tax Scott County						8.30%	1,485.29
<b>We Appreciate Your Business!</b>						<b>Total</b>	<b>\$25,240.43</b>	



CHARGE TO: MORFIN DRILLING  
 ADDRESS:  
 CITY, STATE, ZIP CODE

TICKET 20996

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Ness City, KS 2. 3. 4. REFERRAL LOCATION

WELL/PROJECT NO. 1-7 LEASE Minnix COUNTY/PARISH Scott STATE KS DATE 18 AUG-11 OWNER M adoc

TICKET TYPE:  SERVICE  SALES CONTRACTOR Scott

WELL TYPE: oil WELL CATEGORY Development JOB PURPOSE cement long string

WELL PERMIT NO. 7-205-34W

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1			80	m			6.00	480.00
578		1		MILEAGE TRK 114						
407		1		Pump Charge	1	ea			1500.00	1500.00
402 403		1		insert Flat shoe	4 1/2	in	1	ea	300.45	1352.25
408		1		for Cement Basket	4 1/2	in	2	ea	250.00	1125.00
409		1		DVI tool	4 1/2	in	1	ea	2700.00	12150.00
413-414		1		Turbolizer	4 1/2	in	15	ea	70.00	1050.00
417		1		Rots Wall Scratches	4 1/2	in	2	ea	40.00	80.00
419		1		DV latch down Plug & handle	4 1/2	in	1	ea	200.00	200.00
290		1		Rotating head Rental	4 1/2	in	1	ea	200.00	200.00
280		1		D-AIR			5	gal	35.00	175.00
221		1		Flare 21			500	gal	2.50	1250.00
		1		KCL liquid			4	gal	25.00	100.00

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 Kevin Chelson  
 DATE SIGNED: 8/10/11

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

SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  YES  NO  
 WE UNDERSTOOD AND MET YOUR NEEDS?  YES  NO  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  YES  NO  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  YES  NO  
 ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

PAGE TOTAL: 1 9255.00  
 2 14,500.14  
 Subtotal: 23,755.14  
 Scott TAX 8.3% 1485.29  
 TOTAL: 25,240.43

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

SWIFT OPERATOR: [Signature] APPROVAL: [Signature]

Thank You!



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

TICKET CONTINUATION

TICKET No. 20996

DATE 18 Aug 11 PAGE 2

CUSTOMER MURFIN DRILLING WELL Minnix 1-7

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
330		1			SMD cement	330	sk			16.50	5775.00
284	325	1			STD cement (Forecast)	250	sk			13.50	3375.00
284		1			Cal Seal	1200	lb	12	sk	35.00	4200.00
283		1			Salt	1250	lb			0.20	250.00
285		1			CFR-1	175	lb			4.00	700.00
276		1			Floccle	50	lb			2.00	100.00
580		1			Additional hours	1	hr			200.00	200.00
581		1			SERVICE CHARGE						
583		1			MILEAGE CHARGE						
					TOTAL WEIGHT						
					LOADED MILES			2480.14			
					CUBIC FEET					2.00	1200.00
					TON MILES					1.00	2480.14

CONTINUATION TOTAL 14,500.14

JOB LOG

SWIFT Services, Inc.

DATE 18 AUG 11 PAGE NO.

CUSTOMER MURFIN DRILLING WELL NO. 1-7 LEASE Minnix JOB TYPE Cement long string TICKET NO. 20996

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								250 EA-2 & 350 SMD w/ 1/4" Floccs 4 1/2" x 10.5" LTD 5882' RTD 5080' Centralizers 1-14, 58 Baskets 58, 59 119 jets - 4772' sleevejt. - 41' insect 4708' DV jets @ 2377'
	0500							on loc TRK114
	0650							start 4 1/2" 10.5" casing in well
	0820							circulate w/ pipe @ 2377' 2375'
	0850							ATTACH DV TOOL and resume running pipe
	1000							DROP BALL and circulate ROTATE
	1055	4 3/4	5			100		Pump 5 bbl KCL flush
		4 3/4	12			100		Pump 500 gal Floccs
		4 3/4	15			100		Pump 15 bbl KCL flush
	1110	4 3/4				100		MIX 250 SKS EA-2 @ 15.3
		4 3/4	59			100		
	1125							Drop plug wash out pump & line
		4 3/4	35					Pump H2O
		4 3/4	34			200		Pump mud
	1145		72			1500		CAND Plug
								Release pressure to truck - dried up
								Drop bomb
								wash truck
	1210					1100		open DV tool circulate well
	1330		20					Pump 20 bbl KCL flush
								Plug RH - MH (SMD) 30SKS - 20SKS
	1345	6 3/4				200		Mix SMD @ 11.2 PPG 300SKS
		6 3/4	180			600		
		6 3/4	198			600		
	1410							Drop plug
		6 3/4				200		Displace Plug
		6 3/4	22			600		Cement to surface
		6 3/4	38			1600		LAND Plug {300SKS mixed 30 top it}
								wash truck
								Back up
	1510							job complete Hub Dave Joe Blain & Shane