



KANSAS CORPORATION COMMISSION 1050063  
OIL & GAS CONSERVATION DIVISION

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**

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

<input type="checkbox"/> New Well	<input type="checkbox"/> Re-Entry	<input type="checkbox"/> Workover	
<input type="checkbox"/> Oil	<input type="checkbox"/> WSW	<input type="checkbox"/> SWD	<input type="checkbox"/> SIW
<input type="checkbox"/> Gas	<input type="checkbox"/> D&A	<input type="checkbox"/> ENHR	<input type="checkbox"/> SIGW
<input type="checkbox"/> OG		<input type="checkbox"/> GSW	<input type="checkbox"/> Temp. Abd.
<input type="checkbox"/> CM (Coal Bed Methane)			
<input type="checkbox"/> Cathodic <input type="checkbox"/> Other (Core, Expl., etc.): _____			

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

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

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

<input type="checkbox"/> Deepening	<input type="checkbox"/> Re-perf.	<input type="checkbox"/> Conv. to ENHR	<input type="checkbox"/> Conv. to SWD
<input type="checkbox"/> Conv. to GSW			
<input type="checkbox"/> Plug Back: _____		Plug Back Total Depth: _____	
<input type="checkbox"/> Commingled		Permit #: _____	
<input type="checkbox"/> Dual Completion		Permit #: _____	
<input type="checkbox"/> SWD		Permit #: _____	
<input type="checkbox"/> ENHR		Permit #: _____	
<input type="checkbox"/> GSW		Permit #: _____	

Spud Date or  
Recompletion Date      Date Reached TD      Completion Date or  
Recompletion Date

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 Wireline Logs surveyed. Attach final geological well site report.

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

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:  ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: Set At: Packer At:				Liner Run: <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) _____			
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS:  <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION:  <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL:  _____ _____
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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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

January 28, 2011

David D. Montague  
Knighton Oil Company, Inc.  
1700 N WATERFRONT PKY  
BLDG 100 STE A  
WICHITA, KS 67206

Re: ACO1  
API 15-101-22270-00-00  
Catherine 1  
NE/4 Sec.03-17S-28W  
Lane 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,  
David D. Montague



SCALE 1" = 100'

In Minutes

DRILLING TIME

DEPTH

SAMPLE DESCRIPTION

REMARKS

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Dol. Limestone	Chert	Dolomite

ANHYDRITE  
2143 14611

50

2200

displace. e 3181', complete  
@ 3207'.  
Morgan Mud ✓ 233582'  
Vis. cat., wt 8.6, wc 6.4  
Ca 1700 ppm.

50

3700

Geologist at location  
4:30 AM 1/19/2011  
dug 3710'

50

VS SB, 9.0 wt

3800

drill 3800  
Rate 1/19/2011

sh, to blk

sh, lt grn, fa xln, dus

sh, lt grn, fa xln, chalke

sh, blk, chalke

sh, lt grn, fa xln, chalke

3900

16.60, 9.1 wt

MEEBNER

3939 (1/185)

50

Morgan Mud ✓  
vis 60, 9.1 wt, 6.8 w/c  
ch 3000 ppm, tr 1000

sh, lt grn, fa xln, chalke

4000

16.60, 9.1 wt

sh, lt grn, fa xln, chalke

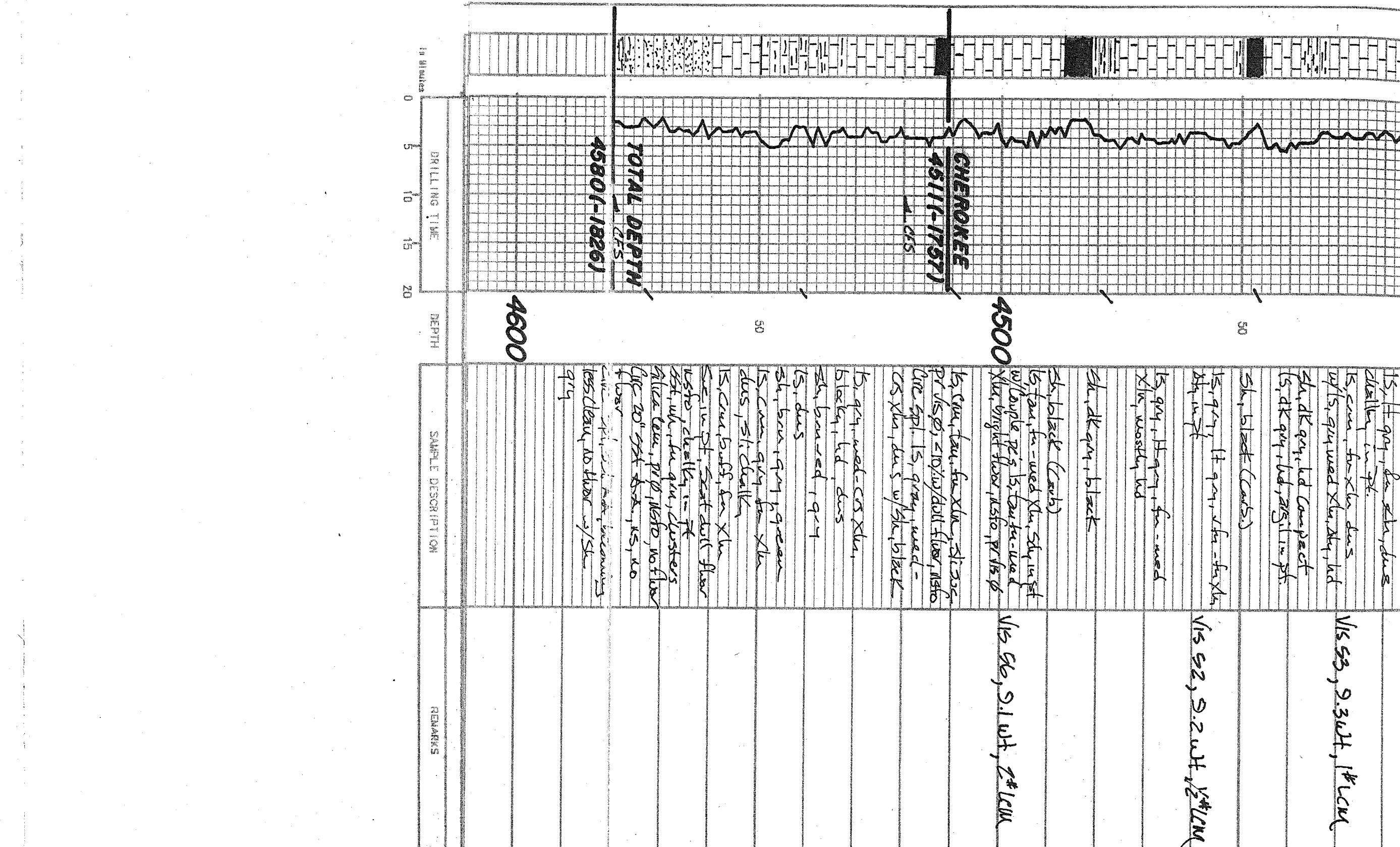
sh, lt grn, fa xln, chalke

sh, lt grn, fa xln, chalke

50







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

 P A L D  
 1125111

 INVOICE  
 Invoice Number: 125903  
 Invoice Date: Jan 15, 2011  
 Page: 1

Bill To:	
Knighton Oil Co., Inc. 1700 No. Waterfront Parkway Building #100 - Suite A Wichita, KS 67206	

Federal Tax I.D.#: 20-5975804

Customer ID		Payment Terms	
Khig		Catherine #1	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 15, 2011	2/14/11

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	13.65	2,252.25
3.00	MAT	Gel	20.40	61.20
6.00	MAT	Chloride	57.15	342.90
174.00	SER	Handling	2.10	365.40
40.00	SER	Mileage 174 sx @.10 per sk per mi	17.40	696.00
1.00	SER	Surface	999.00	999.00
40.00	SER	Pump Truck Mileage	7.00	280.00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF \$ 999.35 ONLY IF PAID ON OR BEFORE Feb 9, 2011	
Subtotal	4,996.75
Sales Tax	167.35
Total Invoice Amount	5,164.10
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,164.10</b>

WELL FILE

# ALLIED CEMENTING CO., LLC. 040812

Federal Tax I.D.# 20-5975804

REMITTO PO.BOX 31

RUSSELL, KANSAS 67665

SERVICE POINT:

Chase 23

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
Checkmark LEASE	WELL #	41	LOCATION	Shields & Pawnee Rd	7:30pm	8:20am	8:20am

OLD OR NEW (Circle one)

CONTRACTOR W.W. & C

TYPE OF JOB Surface OWNER

HOLE SIZE 12.14 T.D. 218' CEMENT

TUBING SIZE 8 1/8 DEPTH 218' AMOUNT ORDERED 105 qts less 30%

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 12.9 bbl

## EQUIPMENT

PUMP TRUCK CEMENTER 1224

# 431 HELPER Dave

BULK TRUCK DRIVER Terry

# 394 BULK TRUCK DRIVER

# DRIVER

HANDLING 124 @ 2.12 305.40

MILEAGE 10 miles .12 696.00

TOTAL 3717.75

## REMARKS:

Cement did not circulate

## SERVICE

DEPTH OF JOB 218'

PUMP TRUCK CHARGE 999.00

EXTRA FOOTAGE 0

MILEAGE 40 @ .0725 2.80

MANIFOLD 0

WATER 0

WELL CLEANING 0

WELL TEST 0

WELL WORKUP 0

WELL DRAWDOWN 0

## PLUG & FLOAT EQUIPMENT

DEPTH OF JOB 218'

PLUG & FLOAT CHARGE 999.00

EXTRA FOOTAGE 0

MILEAGE 40 @ .0725 2.80

MANIFOLD 0

WATER 0

WELL CLEANING 0

WELL TEST 0

WELL WORKUP 0

WELL DRAWDOWN 0

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_

IF PAID IN 30 DAYS \_\_\_\_\_

PRINTED NAME Ray Schreider

SIGNATURE Ray Schreider

**INVOICE**  
 Invoice Number: 125957  
 Invoice Date: Jan 22, 2011  
 Page: 1

<b>Bill To:</b>	
Knighton Oil Co., Inc. 1700 No. Waterfront Parkway Building #100 - Suite A Wichita, KS 67206	

Federal Tax I.D.#: 20-5975804

<b>Customer ID</b>	<b>Well Name # or Customer P.O.</b>	<b>Payment Terms</b>	
King	Catherine #1	Net 30 Days	
KS1-03	Oakley	Jan 22, 2011	2/21/11

<b>Quantity</b>	<b>Item</b>	<b>Description</b>	<b>Unit Price</b>	<b>Amount</b>
162.00	MAT	Class A Common	13.65	2,211.30
108.00	MAT	Pozmix	7.60	820.80
9.00	MAT	Gel	20.40	183.60
68.00	MAT	Flo Seal	2.45	166.60
282.00	SER	Handling	2.10	592.20
40.00	SER	Mileage 282 sx @ .10 per sk per mi	28.20	1,128.00
1.00	SER	Plug to Abandon	1,000.00	1,000.00
40.00	SER	Pump Truck Mileage	7.00	280.00

*Catherine #1 cement  
Kings*

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF	
<b>Subtotal</b>	6,382.50
Sales Tax	402.10
Total Invoice Amount	6,784.60
Payment/Credit Applied	
<b>TOTAL</b>	<u>6,784.60</u>
ONLY IF PAID ON OR BEFORE	<u>Feb 16, 2011</u>

**WELL FILE**

# ALLIED CEMENTING CO., LLC. 040819

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Oates

1-22-14	SEC. 3	TWP. 675	RANGE 28	CALLED OUT	ON LOCATION 3:00pm	JOB START 1:20pm	JOB FINISH 7:00pm
WELL # 1				LOCATION Shelds C. & Palmer Rd		COUNTY Labette	STATE KS
OLD OR NEW (Circle one)				1125-145-510			

CONTRACTOR	LLC # 4	OWNER
TYPE OF JOB	PUMP	
HOLE SIZE	7 7/8	T.D. 4580'
CASING SIZE		
TUBING SIZE		DEPTH
DRILL PIPE	4 1/2	DEPTH 2190'
TOOL		DEPTH
PRES. MAX		MINIMUM
MEAS. LINE		SHOE JOINT
CEMENT LEFT IN CSG.		
PERFS.		
DISPLACEMENT		

## EQUIPMENT

PUMP TRUCK	CEMENTER	K-224
# 431	HELPER	T-204
BULK TRUCK		
# 346	DRIVER	W. W. BURK
BULK TRUCK		
#	DRIVER	

HANDLING 282 @ 2 1/2 592 20  
MILEAGE 104.52 mi. 16 1128 20  
TOTAL \$102.50

## REMARKS:

304K\$ @ 2190'	
304K\$ @ 690'	
304K\$ @ 2190'	
304K\$ @ 690'	
304K\$ @ 2190'	

DEPTH OF JOB 2190'  
PUMP TRUCK CHARGE 1000.00  
EXTRA FOOTAGE @ 7.00 28.00  
MILEAGE 40 @ 2.00 80.00  
MANIFOLD @  
TOTAL @  
TOTAL 128.00

CHARGE TO: K. C. W. CO.  
STREET  
CITY STATE ZIP

## PLUG & FLOAT EQUIPMENT

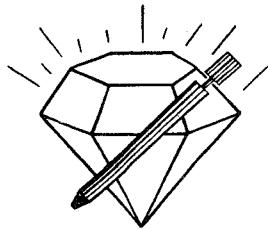
	@
	@
	@
	@
	@

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

PRINTED NAME Kelley Roberts

SIGNATURE Kelley Roberts

WELL FILE



## DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

Page 1 of 2 Pages

Company Knighton Oil Company, Inc.

Lease & Well No. Catherine No. 1

Elevation 2756 KB Formation Swope Effective Pay \_\_\_\_\_ -- Ft. Ticket No. 2765

Date 1-20-11 Sec. 3 Twp. 17S Range 28W County \_\_\_\_\_ Lane \_\_\_\_\_ State Kansas

Test Approved By David Montague Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,221 ft. to 4,245 ft. Total Depth 4,245 ft.

Packer Depth 4,216 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ -- ft. Size \_\_\_\_\_ -- in.

Packer Depth 4,221 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ -- ft. Size \_\_\_\_\_ -- in.

Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,202 ft. Recorder Number 1150 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,242 ft. Recorder Number 3851 Cap. 5,700 psi

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi

Drilling Contractor W W Drilling, LLC - Rig 4 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 51 Weight Pipe Length \_\_\_\_\_ -- ft. I.D. \_\_\_\_\_ -- in.

Weight 9.1 Water Loss 6.4 cc. Drill Pipe Length 4,064 ft. I.D. 3 1/2 in.

Chlorides 3,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 3 Anchor Length 24 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow increasing to 1 1/2 ins. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 1 in. No blow back during shut-in.

Recovered 25 ft. of slightly oil cut mud = .123000 bbls. (Grind out: 2%-oil; 98%-mud)

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks Diesel in bucket.

Tool Sample Grind Out: 4%-oil; 96%-mud

Time Set Packer(s) 10:26 AM Time Started Off Bottom 1:26 AM Maximum Temperature 110°  
P.M. PM

Initial Hydrostatic Pressure ..... (A) 2069 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 5 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 762 P.S.I.

Final Flow Period ..... Minutes 60 (E) 16 P.S.I. to (F) 25 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 624 P.S.I.

Final Hydrostatic Pressure ..... (H) 2068 P.S.I.

**KNIGHTON OIL COMPANY, INC.**  
**DST #1 SWOPE 4,221' - 4,245'**  
**Start Test Date: 2011/01/20**  
**Final Test Date: 2011/01/21**

# CATHERINE #1

Formation: DST #1 SWOPE 4,221' - 4,245'  
CATHERINE #1  
Pool: WILDCAT

