



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1205980  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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:

- 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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical 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

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

1205980

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

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

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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: <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 <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Greystone, Inc.
Well Name	ZZ Farms 1
Doc ID	1205980

Tops

Name	Top	Datum
Anhydrite	1472	+666
Base	1513	+624
Howard	3170	-1032
Topeka	3186	-1049
Heebner	3420	-1282
Toronto	3438	-1300
Lansing	3464	-1326
BKC	3706	-1568
Conglomerate	3766	-1632
Arbuckle	3808	-1672





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Greystone, Inc

**12-13s-19w Ellis KS**

PO Box 505  
Hays KS 67601

**ZZ Farms #1**

Job Ticket: 54026

**DST#: 2**

ATTN: Randy Killian

Test Start: 2014.04.12 @ 11:03:00

## GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:35:45

Time Test Ended: 16:03:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: **3576.00 ft (KB) To 3655.00 ft (KB) (TVD)**

Total Depth: 3655.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2134.00 ft (KB)

2129.00 ft (CF)

KB to GR/CF: 5.00 ft

## Serial #: 8648

Inside

Press@RunDepth: 54.05 psig @ 3642.00 ft (KB)

Start Date: 2014.04.12

End Date:

2014.04.12

Start Time: 11:03:05

End Time:

16:03:29

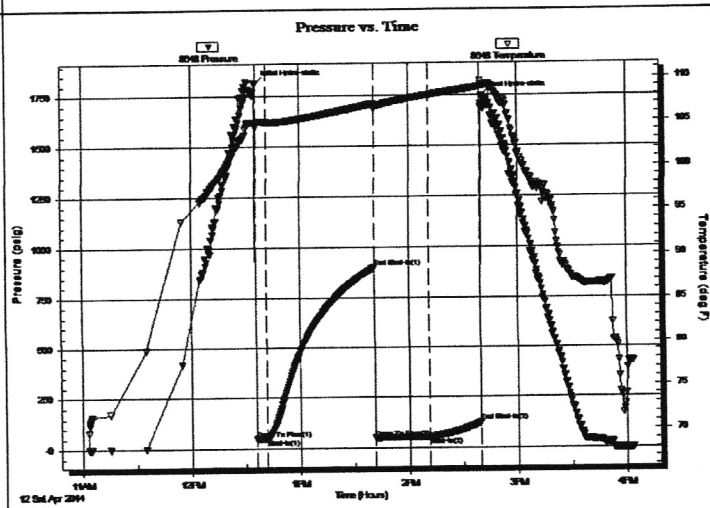
Capacity: 8000.00 psig

Last Calib.: 2014.04.12

Time On Btm: 2014.04.12 @ 12:35:30

Time Off Btm: 2014.04.12 @ 14:40:30

TEST COMMENT: 05 - IF- 1/2" blow  
60 - IS- No return  
30 - FF- No blow  
30 - FS- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.37	104.83	Initial Hydro-static
1	49.91	104.36	Open To Flow (1)
7	50.76	104.91	Shut-In(1)
66	898.60	106.93	End Shut-In(1)
66	50.55	106.43	Open To Flow (2)
96	54.05	107.94	Shut-In(2)
124	127.26	108.88	End Shut-In(2)
125	1746.92	109.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud - Oil spots, 100%M	0.14

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Greystone, Inc  
 PO Box 505  
 Hays KS 67601  
 ATTN: Randy Killian

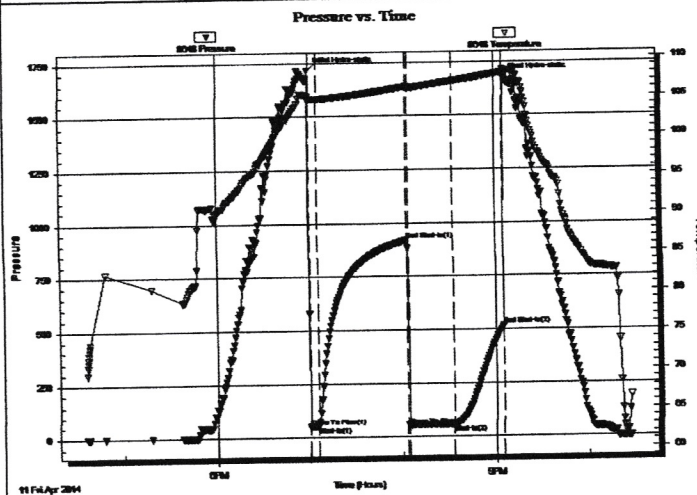
**12-13s-19w Ellis KS**  
**ZZ Farms #1**  
 Job Ticket: 56100      **DST#: 1**  
 Test Start: 2014.04.11 @ 16:36:00

## GENERAL INFORMATION:

Formation: **LKC "C-E"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 19:00:15      Tester: Cody Bloedorn  
 Time Test Ended: 22:27:30      Unit No: 73  
 Interval: **3453.00 ft (KB) To 3536.00 ft (KB) (TVD)**  
 Total Depth: 3536.00 ft (KB) (TVD)      Reference Elevations: 2134.00 ft (KB)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair      2129.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8648**      **Inside**  
 Press@RunDepth: 54.58 psig @ 3523.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2014.04.11      End Date: 2014.04.11      Last Calib.: 2014.04.11  
 Start Time: 16:36:05      End Time: 22:27:29      Time On Btm: 2014.04.11 @ 18:59:45  
 Time Off Btm: 2014.04.11 @ 21:05:45

**TEST COMMENT:** 05 - IF- 1/4" blow  
 60 - IS- No return  
 30 - FF- No blow  
 30 - FS- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.85	105.01	Initial Hydro-static
1	50.25	104.50	Open To Flow (1)
6	51.55	104.67	Shut-In(1)
64	917.88	106.22	End Shut-In(1)
65	52.29	105.88	Open To Flow (2)
93	54.58	106.91	Shut-In(2)
126	518.57	107.95	End Shut-In(2)
126	1677.13	108.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud, 100%M	0.21

## Gas Rates

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

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 015

Phone 785-483-2025  
Cell 785-324-1041

Date	4-8-14	Sec.	12	Twp.	13	Range	19	County	ELS	State	KS	On Location		Finish	12:30 Am.
Location													Hays N Federal Rd 3 W Sinto		

Lease	22 Farms	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Royal #1			Charge To	Grey Stone Inc
Type Job	Surface			Street	P.O. Box 506
Hole Size	12 1/4	T.D.	222	City	Hays State KS 67601-0506
Csg.	8 5/8	Depth	221	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	150 cm 3/4 2/ GEL
Tool		Depth			
Cement Left in Csg.	15'	Shoe Joint			
Meas Line		Displace	13 BCL		

**EQUIPMENT**

Common 150  
Poz. Mix  
Gel. 3  
Calcium 5

Pumptrk	18	No.	Cementer	Craig
			Helper	
Bulktrk		No.	Driver	Andy
			Driver	
Bulktrk	14	No.	Driver	Ryan
			Driver	

**JOB SERVICES & REMARKS**

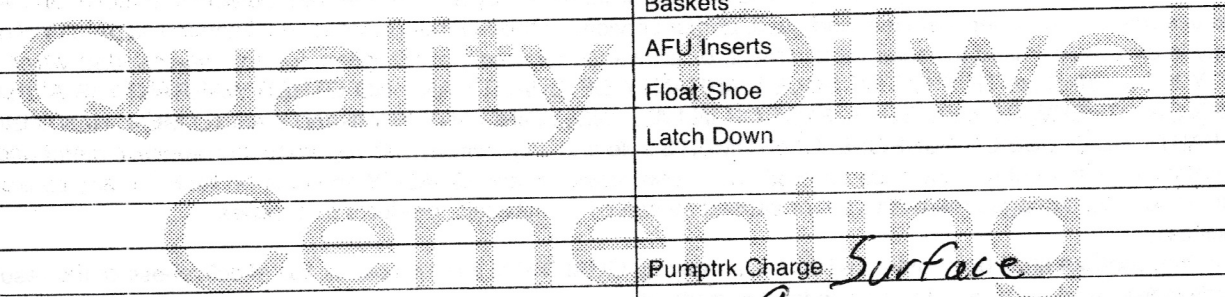
Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 158
	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	8 5/8 Swage
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	9
Tax	
Discount	
Total Charge	

X Signature Douglas Buey



8 5/8 on bottom EST Circulation  
Mix 150 cm 3/4 Displace  
Cement Circulation

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 203

Phone 785-483-2025  
Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-13-14	12	13	19	Ellis	KS		4:30 PM

Location *Hays, N to feedlot Rd, 3w, S2*

Lease <i>22 Farms</i>	Well No. <i>1</i>	Owner
Contractor <i>Royal #1</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <i>Plug</i>		Charge To <i>Greystone Inc.</i>
Hole Size	T.D.	Street
Csg.	Depth	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <i>270 sx 60/40, 4% gel, 1/4" # Flow</i>
Meas Line	Displace	

**EQUIPMENT**

Common *162*  
Poz. Mix *108*  
Gel. *10*  
Calcium

Pumptrk <i>17</i>	No.	Cementer	
		Helper <i>Nick</i>	
Bulktrk <i>9</i>	No.	Driver	
		Driver <i>Ryan</i>	
Bulktrk <i>P4</i>	No.	Driver	
		Driver <i>Travis</i>	

**JOB SERVICES & REMARKS**

Hulls  
Salt  
Flowseal *674*  
Kol-Seal  
Mud CLR 48  
CFL-117 or CD110 CAF 38  
Sand  
Handling *280*  
Mileage

Remarks:  
Rat Hole  
Mouse Hole  
Centralizers  
Baskets  
D/V or Port Collar  
*50sx at 3790*  
*25sx at 1490*  
*100sx at 730*  
*40sx at 270*  
*10sx at 40 with plug*  
*30sx Rat*  
*15sx Mouse*

**FLOAT EQUIPMENT**

Guide Shoe  
Centralizer  
Baskets  
AFU Inserts  
Float Shoe  
Latch Down  
*1 wood plug*  
Pumptrk Charge *plug*  
Mileage *9*

Tax	
Discount	
Total Charge	

X Signature *Doug Buey*



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 015

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-8-14	12	13	19	Ellis	Ks		12:30 Am.
Location <i>Hays N Fairlot Rd 3 W Sinto</i>							

Lease	Well No.	Owner	
<i>22 Farms</i>	<i>1</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor		Charge To	
<i>Royal #1</i>		<i>Grey Stone Inc</i>	
Type Job	T.D.	Street	
<i>Surface</i>	<i>222</i>	<i>P.O. Box 506</i>	
Hole Size	Depth	City	
<i>12 1/4</i>	<i>221</i>	<i>Hays</i>	
Csg.	Depth	State	
<i>8 5/8</i>		<i>Ks 67601-0506</i>	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered <i>150 ccm 3/4 2 1/4 GEL</i>	
Cement Left in Csg.	Shoe Joint		
<i>15'</i>			
Meas Line	Displace		
	<i>1384</i>		

**EQUIPMENT**

Pumptrk	No.	Cement	Common
<i>18</i>		<i>Craig</i>	<i>150</i>
		Helper	Poz. Mix
		Driver	Gel.
Bulktrk	No.	Driver	<i>3</i>
		Driver	Calcium
Bulktrk	No.	Driver	<i>5</i>
<i>14</i>		<i>Ryan</i>	

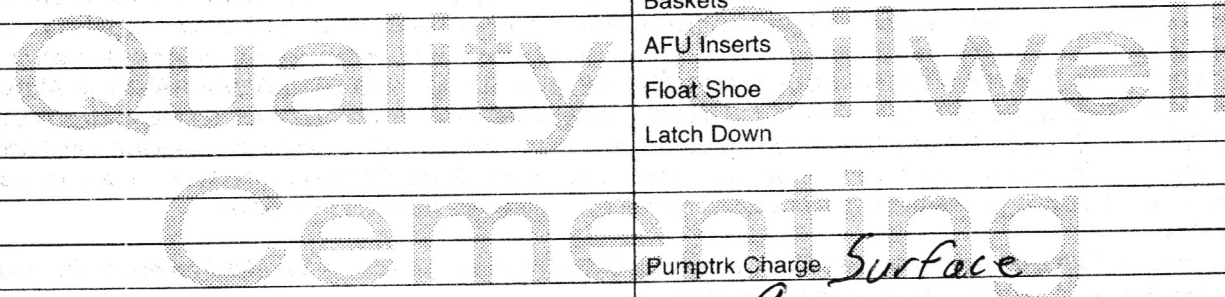
**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>8 5/8 on bottom Fast Circulation</i>	Sand
<i>Mix 150 ccm 3/4 Displace</i>	Handling <i>158</i>
<i>Cement Circulated</i>	Mileage

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer <i>8 5/8 Swage</i>
Baskets
AFU Inserts
Float Shoe
Latch Down
Pumptrk Charge <i>Surface</i>
Mileage <i>9</i>

Signature <i>Douglas Buey</i>	Tax
	Discount
	Total Charge



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 203

Date <b>4-13-14</b>	Sec. <b>12</b>	Twp. <b>13</b>	Range <b>19</b>	County <b>Ellis</b>	State <b>KS</b>	On Location	Finish <b>4:30 PM</b>
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Location **Hays, N to feedlot Rd, 3w, S2**

Lease <b>22 Farms</b>	Well No. <b>1</b>	Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor <b>Royal #1</b>		Charge To <b>Greystone Inc.</b>
Type Job <b>Plug</b>		
Hole Size	T.D.	
Csg.	Depth	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <b>270 sx 60/40, 4% gel, 1/4# Flow</b>
Meas Line	Displace	

**EQUIPMENT**

Pumptrk <b>17</b>	No.	Cementer Helper <b>Nick</b>	Common <b>162</b>
Bulktrk <b>9</b>	No.	Driver <b>Ryan</b>	Poz. Mix <b>108</b>
Bulktrk <b>14</b>	No.	Driver <b>Travis</b>	Gel. <b>10</b>
			Calcium

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal <b>674</b>
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<b>50sx at 3790</b>	Sand
<b>25sx at 1490</b>	Handling <b>280</b>
<b>100sx at 730</b>	Mileage

**FLOAT EQUIPMENT**

<b>40sx at 270</b>	Guide Shoe
<b>10sx at 40 with plug</b>	Centralizer
<b>30sx Rat</b>	Baskets
<b>15sx Mouse</b>	AFU Inserts
	Float Shoe
	Latch Down
	<b>1 wood plug</b>
	Pumptrk Charge <b>plug</b>
	Mileage <b>9</b>

X Signature **Doug Buey**

Tax	
Discount	
<b>Total Charge</b>	