



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217585
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
-----------------------------------	-----------------	---

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: _____

1217585

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
--	---

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
----------------	-------	---------	------------	---

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> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Murfin Drilling Co., Inc.
Well Name	R & J 1-23
Doc ID	1217585

All Electric Logs Run

DIL
DUCP
MEL
BHCS



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 6/2/2014
 Invoice # 239

P.O.#:

Due Date: 7/2/2014

Division: Russell

*Acct
Prod-MG*

Invoice

Contact:

Murfin Drilling Company
 Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

**OPERATOR PAY MDC
 LEASE: BT**

USED FOR _____

APPROVED _____

Reference:

R & J 1-23

Description of Work:

SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	150	\$ 2,514.71	Yes				
Bulk Truck Matl-Material Service Charge	158	\$ 353.18	No				
Calcium Chloride	5	\$ 311.04	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 312.32	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 182.76	No				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,749.13

Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (712.37)

SubTotal for Taxable Items: \$ 2,448.28

SubTotal for Non-Taxable Items: \$ 1,588.48

Total: \$ 4,036.76

Tax: \$ 150.57

6.15% Rush County Sales Tax

Amount Due: \$ 4,187.33

Applied Payments:

Balance Due: \$ 4,187.33

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

©2008-2013 Straker Investments, LLC. All rights reserved.

[Handwritten signature]

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. 239

Date	6-2-14	Sec.	23	Twp.	16	Range	20	County	Rush	State	KS	On Location		Finish	1:15PM
------	--------	------	----	------	----	-------	----	--------	------	-------	----	-------------	--	--------	--------

Location *Libenthal 15 to W to 150 R-1*

Lease	<i>R&J</i>	Well No.	<i>1-23</i>	Owner	<i>2.N</i>
Contractor	<i>Murfin #16</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>Surface</i>	Charge To <i>Murfin Drilling</i>			
Hole Size	<i>12 1/4</i>	T.D.	<i>218</i>	Street	
Csg.	<i>8 5/8</i>	Depth	<i>217</i>	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	<i>20</i>	Cement Amount Ordered <i>150 sx 3% cc, 2% gel</i>	
Meas Line		Displace	<i>12 1/2 bbl</i>		

EQUIPMENT

Pumptrk	<i>17</i> No.	Cementer		Common	<i>150</i>
		Helper	<i>Lonnie</i>	Poz. Mix	
Bulktrk	<i>14</i> No.	Driver	<i>Claton</i>	Gel.	<i>3</i>
		Driver	<i>Travis</i>	Calcium	<i>5</i>
Bulktrk	<i>P4</i> No.	Driver		Hulls	

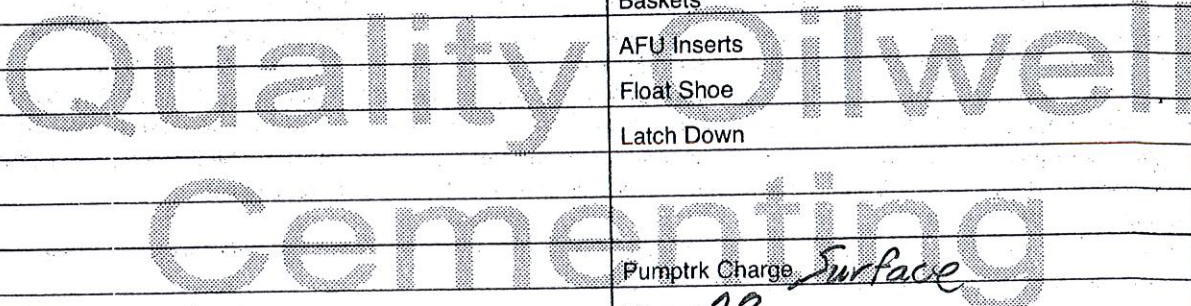
JOB SERVICES & REMARKS

Remarks:	<i>cement did circulate</i>	Salt	
Rat Hole		Flowseal	
Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	

Handling *158*
Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



Pumptrk Charge *Surface*
Mileage *28*

Tax	
Discount	
Total Charge	

X Signature *[Signature]*



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 6/7/2014
 Invoice # 71

Acct. Prod-MG

P.O.#:

Due Date: 7/7/2014

Division: *Russell*

Invoice

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

USED FOR _____

APPROVED _____

OPERATOR PAY MDC
LEASE: BM

Reference:
 R & J **1-23**

Description of Work:
PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	Yes				
Common-Class A	180	\$ 3,017.65	Yes				
POZ Mix-Standard	120	\$ 844.94	Yes				
Bulk Truck Matl-Material Service Charge	311	\$ 695.18	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 312.32	Yes				
Premium Gel (Bentonite)	11	\$ 200.15	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 182.76	Yes				
Flo Seal	75	\$ 167.65	Yes				

Invoice Terms:

Net 30

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:

SubTotal:	\$	6,441.18
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(966.18)
SubTotal for Taxable Items:	\$	5,475.00
SubTotal for Non-Taxable Items:	\$	-
Total:	\$	5,475.00
Tax:	\$	336.71

6.15% Rush County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,811.71
Applied Payments:
Balance Due: \$ 5,811.71

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

[Handwritten signature]

QUALITY OILWELL CEMENTING, INC.

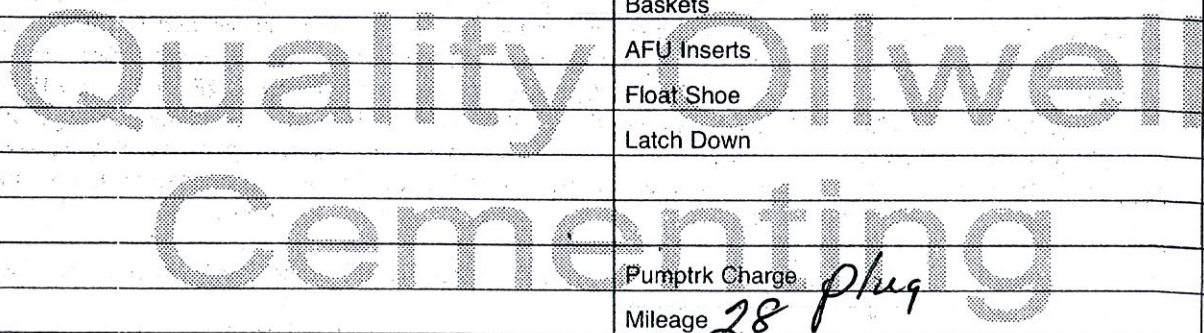
Federal Tax I.D.# 20-2886107

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

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

No. 071

Date	6-7-14	Sec.	23	Twp.	16	Range	20	County	Rush	State	Ks	On Location		Finish	3:00 AM
Lease	R+J		Well No.		1-23		Location Liebenthal, Ks - 15, w to 150 Rd,								
Contractor	Muffin #16		Owner		IN, w/Ints										
Type Job	Plug		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.										
Hole Size	7 7/8"		T.D.	3940'		Charge To		Muffin Drilling							
Csg.			Depth			Street									
Tbg. Size	4 1/2"		Depth	3900'		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		300 sx 60/40 4% Gel 1/4 Flou							
Meas Line			Displace	H2O/mud											
EQUIPMENT															
Pumptrk	16	No.	Cementer	Billy											
			Helper												
Bulktrk	14	No.	Driver	David											
			Driver												
Bulktrk	pm.	No.	Driver	Rick											
			Driver												
JOB SERVICES & REMARKS															
Remarks:	3900' - 50 SX														
Rat Hole	1380' - 50 SX														
Mouse Hole	570' - 80 SX														
Centralizers	240' - 50 SX														
Baskets	60' - 20 SX														
D/V or Port Collar	Rat hole - 30 SX														
	Mousehole - 20 SX														
	Cement did circulate														
FLOAT EQUIPMENT															
	Guide Shoe														
	Centralizer														
	Baskets														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	Pumptrk Charge														
	Mileage 28 Plug														
	Tax														
	Discount														
	Total Charge														
X Signature	<i>[Signature]</i>														



R & J #1-23

Operator: Murfin Drilling Company, Inc.
 Contractor: Murfin Drilling Company, Inc.
 Rig #16

Antigua Prospect #3474

Contact Person: Michel Runnion
 Phone number: 316-267-3241
 Well site Geologist: Paul Gunzelman

335' FNL 1650' FEL
 Sec. 23-T16S-R20W
 Rush County, Kansas

Call Depth: 2770'
 Spud: 6/2/14 @ 8:30AM
 Complete: P&A 6/7/14

API # 15-165-22075
 Casing: 8 5/8" @ 217'

RTD: 3940'

Elevation: 2128' GL
 2133' KB

DAILY INFORMATION:

NOTE: 1' fill when building location. NEW GL 2128'... 2133'KB

- 5/31/14 MIRT Spud 6/2
- 6/1/14 Off
- 6/2/14 Spud Today
- 6/3/14 Depth 1170'. Cut 1170'. DT: 8hrs WOC. CT: None. Dev.: 1/4° @ 218'. Spud @ 8:30AM 6/2/14. Ran 5jts=210.72' of 23# 8 5/8" surf csg, set @ 217'. Quality cmt w/150sxs of Comm 3%CC, 2%Gel. PD @ 1:00PM 6/2. DO @ 9:00PM 6/2. Circ 5BBLs.
- 6/4/14 Depth 2590'. Cut 1420'. DT: None. CT: None. Dev.: None.
- 6/5/14 Depth 3400'. Cut 810'. DT: None. CT: 1hr. Dev.: None.
- 6/6/14 Depth 3815'. Cut 415'. DT: none. CT: 9 hrs. Dev.: none.
- 6/7/14 RTD: 3940'. Cut 125'. DT: None. CT: 20 1/4 hrs. Dev.: 1° @ 3940'. HC @ 11:45AM 6/6/14. Pioneer logged 4:30PM – 9:15PM 6/6. LTD: 3938'. Quality plugged hole (12:00AM – 3:00AM 6/7) as follows using 60/40Poz, 4%Gel, 1/4#Flo seal, 50sxs @ 3910', 50sxs @ 1380', 80sxs @ 570', 50sxs @ 240', 20sxs @ 60', 30sxs RH, 20sxs MH. Orders: Eric MacLaren KCC Dodge City. RR @ 7:00AM 6/7/14. FINAL REPORT

MDCI R & J #1-23 335' FNL 1650' FEL Sec. 23-T16S-R20W 2133' KB						Castle Resources Stull #1 560FSL 2210FEL Sec. 14-T16S-R20W 2142' KB		
Formation	Sample top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1369	+764	-4	1367	+766	-2	1374	+768
B/Anhydrite	1406	+727	-13	1405	+728	-12	1402	+740
Topeka	3178	-1045	-7	3174	-1041	-2	3180	-1038
Heebner	3452	-1319	-11	3448	-1315	-7	3450	-1308
Toronto	3472	-1339	-11	3468	-1335	-7	3470	-1328
Lansing	3496	-1363	-11	3492	-1359	-7	3494	-1352
Stark	3698	-1565	-10	3703	-1570	-15	3697	-1555
BKC	3750	-1617	-9	3752	-1619	-11	3750	-1608
Arbuckle	3910	-1777	-67	3902	-1769	-59	3852	-1710
RTD	3940						3940	
LTD				3938				