

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1251725  
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: \_\_\_\_\_

1251725

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

<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> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Dolechek 1
Doc ID	1251725

All Electric Logs Run

CDNL
DIL
Micro
Sonic



**JAMES C. MUSGROVE**

Petroleum Geologist, LLC  
212 Main Street  
P.O. Box 215  
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations  
Dolecheck #1  
SW-NE-NE-NE (500' FNL & 565' FEL)  
Section 35-15s-13w  
Russell County, Kansas

Page 1

**5 1/2" Production Casing Set**

**Contractor:** Southwind Drilling Co. (rig #3)  
**Commenced:** March 6, 2015  
**Completed:** March 12, 2015  
**Elevation:** 1886' K.B., 1884' D.F., 1878' G.L.  
**Casing program:** Surface; 8 5/8" @ 491'  
Production, 5 1/2" @ 3331'  
**Sample:** Samples saved and examined 2400' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2400' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Drill Stem Tests:** There were two (2) Drill Stem Tests ran by Diamond Testing Co.  
**Electric Log:** By Nabors, Dual Induction, Compensated Density/Neutron Log and Micro and Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	830	+1056
Base Anhydrite	861	+1025
Grand Haven	2387	-501
1 <sup>st</sup> Tarkio Sand	2398	-512
Dover	2411	-525
2 <sup>nd</sup> Tarkio Sand	2424	-538
Tarkio Lime	2458	-572
Elmont	2509	-623
Howard	2657	-771
Topeka	2732	-846
Heebner	2966	-1080
Toronto	2981	-1095
Lansing	3047	-1161
Base Kansas City	3285	-1399
Granite Wash	3312	-1426
Rotary Total Depth	3377	-1491
Log Total Depth	3380	-1506

All tops and zones corrected to Electric Log Measurement

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**TARKIO SECTION**

**1<sup>ST</sup> Tarkio Sand**

2398-2406' Sand, gray, very fine grained; well sorted, micaeous, friable, no shows.

**2<sup>nd</sup> Tarkio Sand**

2417-2434' Sand, gray, very fine grained; well sorted, friable, micaeous, shaley in part, light black stain, no free oil and no odor. (Poorly developed)

**TOPEKA SECTION**

2782-2802' Limestone, tan, buff, finely crystalline, chalky; poor scattered porosity, light brown stain, no free oil and faint odor in fresh samples.

2888-2910' Limestone, tan, buff, finely crystalline, chalky in part, poor visible porosity, trace stain, show of free oil and faint odor in fresh samples.

2916-2940' Limestone, tan, finely crystalline, oomoldic, poor to fair oomoldic and vuggy type porosity, light spotty stain, show of free oil and faint odor in fresh samples.

**TORONTO SECTION**

2981-2997' Limestone, cream, finely crystalline, dolomitic in part, golden brown stain, show of free oil and faint odor in fresh samples.

**LANSING SECTION**

3057-3066' Limestone, cream, tan, finely crystalline, fossiliferous, poor scattered porosity, no shows and no odor in fresh samples.

3068-3076' Limestone, cream, tan, finely crystalline, poor visible porosity, dense, no stain, no free oil and strong odor in fresh samples.

3081-3091' Limestone, cream, oomoldic, good oomoldic and vuggy type porosity, light brown stain, show of free oil and strong odor in fresh samples.

3091-3100' Limestone, tan, finely crystalline, few fossiliferous, scattered porosity, no stain, no free oil and faint odor in fresh samples.

**Drill Stem Test #1** **3055-3100**

**Times:** 30-30-45-45

**Blow:** Strong

**Recovery:** 5' Clean oil  
126' oil and gas cut muddy water  
(5% gas; 15% oil; 50% water; 30% mud)  
63' oil and gas cut muddy water  
(5% gas; 10% oil; 60% water; 25% mud)  
63' oil and gas cut muddy water  
(5% gas; 10% oil; 60% water; 25% mud)  
63' oil cut muddy water  
(20% oil; 50% water; 25% mud)

**Pressures:** ISIP 933 psi  
FSIP 933 psi  
IFP 62-122 psi  
FFP 119-209 psi  
HSH 1517-1444 psi

3115-3120' Limestone, tan, buff, finely crystalline, fossiliferous, scattered porosity, light spotty stain, show of free oil and faint odor in fresh samples.

3130-3135' Limestone, white, tan, oomoldic, good oomoldic/vuggy type porosity, black stain, show of free oil and strong odor in fresh samples.

**Drill Stem Test #2** **3098-3135**

**Times:** 30-30-45-45

**Blow:** Strong

**Recovery:** 75' gas in pipe  
252' slightly oil and gas cut muddy water  
(20% gas; 5% oil; 75% water; 5% mud)  
126' oil and gas cut muddy water  
(40% gas; 10% oil; 35%water; 5% mud)  
315' oil and gas cut muddy water  
(50% gas; 10% oil; 60% water; 25% mud)  
63' oil and gas cut muddy water  
(60% gas' 12.5% oil; 25% water; 2.5% mud)

**Pressures:** ISIP 909 psi  
FSIP 910 psi  
IFP 91-291 psi  
FFP 304-489 psi  
HSH 1539-1476 psi

3135-3158' Limestone, cream oomoldic, good oomoldic and vuggy type porosity, light brown spotty stain, show of free oil and faint odor in fresh samples.

3190-3206' Limestone, tan, gray, finely crystalline, chalky, poor scattered porosity, light brown stain, show of free oil and questionable odor in fresh samples.

Mai Oil Operations  
Dolecheck #1  
SW-NE-NE-NE (500' FNL & 565' FEL)  
Section 35-15s-13w  
Russell County, Kansas

Page 4

- 3230-3240' Limestone, cream, tan, finely crystalline, few fossiliferous, poor visible porosity, light brown stain, show of free oil plus gray, chert.
- 3260-3271' Limestone, tan, buff, finely crystalline, chalky, poor scattered porosity, light brown stain, show of free oil and questionable odor in fresh samples.
- 3278-3284' Limestone, tan, gray, finely crystalline, poor scattered porosity, light brown stain, no free oil and faint odor in fresh samples.

**GRANITE WASH/QUARTZITE**

- 3312-3320' Quartz, clear, frosty, fractured; micaeous, trace light brown stain, no free oil and no odor.
- 3320-3340' Quartz, as above, micaeous, black stain, no free oil and no odor in fresh samples.
- 3340-3360' Quartz, as above, trace pink/red feldspar; micaeous, black spotty stain, no free oil and no odor in fresh samples.
- 3360-3380' Quartz, as above, no shows.

**Rotary Total Depth            3371**  
**Log Total Depth             3380**

**Recommendations:**

The 5 1/2" production casing was set and cemented on Mai Oil Operation Inc., Dolecheck #1.

Respectfully yours,



Wyatt Urban  
Petroleum Geologist





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Mai Oil Operations, Inc.  
8411 Preston Rd STE 800  
Dallas TX 75225-5520  
ATTN: Wyatt Urban

**35-15s-13w Russell,KS**  
**Dolechek #1**  
Job Ticket: 61983      **DST#: 1**  
Test Start: 2015.03.10 @ 00:05:00

## GENERAL INFORMATION:

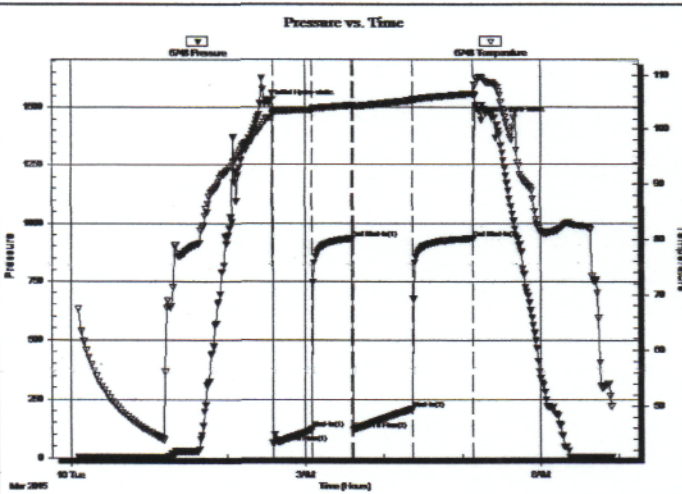
Formation: **LKC "A-C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:35:00  
 Time Test Ended: 06:54:30  
 Interval: **3055.00 ft (KB) To 3100.00 ft (KB) (TVD)**  
 Total Depth: 3100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane Konzern  
 Unit No: 56  
 Reference Elevations: 1886.00 ft (KB)  
 1878.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6748

Inside

Press@RunDepth: 209.42 psig @ 3096.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.03.10      End Date: 2015.03.10      Last Calib.: 2015.03.10  
 Start Time: 00:06:00      End Time: 06:54:30      Time On Btrm: 2015.03.10 @ 02:32:30  
 Time Off Btrm: 2015.03.10 @ 05:14:30

TEST COMMENT: IFF 30 Minutes. BOB in 14 minutes and 30 seconds.  
 ISI 30 Minutes No blow back.  
 FFP 45 Minutes. BOB in 19 minutes and 15 seconds.  
 FSI 45 minutes. No blow back.



## PRESSURE SUMMARY

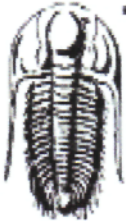
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1517.48	102.30	Initial Hydro-static
3	62.62	103.07	Open To Flow (1)
33	122.56	103.69	Shut-In(1)
63	933.15	104.51	End Shut-In(1)
64	119.52	104.16	Open To Flow (2)
110	209.42	105.38	Shut-In(2)
156	933.09	106.60	End Shut-In(2)
162	1444.35	109.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	126 feet gas in pipe	0.00
5.00	100% Clean Oil	0.07
126.00	GOCMW 5% gas, 15% oil, 30% mud, 50% water	1.77
63.00	GOCMW 5% gas, 10% oil, 25% mud, 60% water	0.88
63.00	OCMW 10% oil, 10% mud, 80% water	0.88
63.00	OCMW 20% oil, 30% mud, 50% water	0.88

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

**35-15s-13w Russell,KS**

8411 Preston Rd STE 800  
Dallas TX 75225-5520

**Dolechek #1**

Job Ticket: 61984

**DST#: 2**

ATTN: Wyatt Urban

Test Start: 2015.03.10 @ 14:10:00

### GENERAL INFORMATION:

Formation: **LKC "E-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:30:30

Time Test Ended: 20:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzern

Unit No: 56/44/Great Bend

**Interval: 3098.00 ft (KB) To 3135.00 ft (KB) (TVD)**

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3135.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 6748**

**Inside**

Press@RunDepth: 489.06 psig @ 3131.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.10 End Date: 2015.03.10

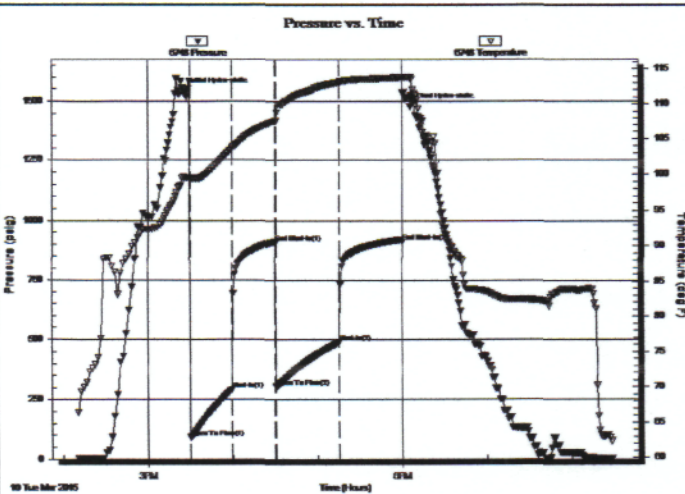
Last Calib.: 2015.03.10

Start Time: 14:11:00 End Time: 20:29:00

Time On Btm: 2015.03.10 @ 15:25:30

Time Off Btm: 2015.03.10 @ 18:06:00

**TEST COMMENT:** FFP 30 Minutes. BOB in 2 minutes and 50 seconds.  
ISI 30 Minutes No blow back.  
FFP 45 Minutes. BOB in 5 minutes and 30 seconds.  
FSI 45 Minutes. Weak surface blow back.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1539.63	99.59	Initial Hydro-static
5	91.50	99.36	Open To Flow (1)
34	291.65	103.60	Shut-In(1)
65	909.20	107.66	End Shut-In(1)
66	304.65	107.60	Open To Flow (2)
110	489.06	113.08	Shut-In(2)
155	910.84	113.77	End Shut-In(2)
161	1476.38	113.79	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	75 feet gas in pipe	0.00
252.00	Water 100% w	3.53
126.00	VGMCOW 5% mud, 10% oil, 40% gas, 45.77 at	
315.00	VGMCOW 5% m, 10% o, 35% w, 50% g 4.42	
63.00	VGMCOW 2.5% m, 12.5% o, 25% w, 60% g 0.88	
252.00	100% water	3.53

### Gas Rates

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

# 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. 1095

Date	3-6-2015	Sec.	35	Twp.	15s	Range	13w	County	Barton	State	Kansas	On Location		Finish	8:45 PM.
Location								Russell S. to Michaelis Rd. 6E 1/4 S 1/4 W							

Lease	Dolechek	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	SOUTHWIND DRILL. Rig #3	Type Job	Long Surface	Charge To	MAI OPERATIONS INC.
Hole Size	12.74	T.D.	491'	Street	
Csg.	8 5/8 New 23#	Depth	491'	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	250sx 740
Cement Left in Csg.	20'	Shoe Joint			3% CC 2% Gel
Meas Line		Displace	30 / BBL		

**EQUIPMENT**

Pumptrk #18	No.	Cementer	GLENN G.	Common
		Helper	CODY B.	Poz. Mix
Bulktrk #1	No.	Driver	RYAN M.	Gel.
		Driver		Calcium
Bulktrk	No.	Driver		
		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
	Mileage

Box II New joints of 23# 8 5/8 csg.  
Set @ 491' Received circulation  
Cement with 250 sx 60 3% CC  
2% gel. Release TRP. &  
Displace @ TOTAL OF 30/BBL  
H<sub>2</sub>O - Shut in @ 350'

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

SOLID RUBBER WIPER PLUG  
Cement did circulate to surface.

THANKS!

X Signature	Jay Brien	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. 1139

Date	3-12-15	Sec.	35	Twp.	15	Range	13	County	Russell	State	Kas	On Location		Finish	8:45 AM
								Location 281 Michealis Rd - 6E 1/4 S, W15							

Lease	Dolechek		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	Southwind		#1		Charge To	Main oil operations									
Type Job	Longstring		T.D.	3377'	Street										
Hole Size	7 7/8"		Depth	3331'	City										
Csg.	5 1/2" used 14#		Depth		State										
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.										
Tool			Depth		Cement Amount Ordered	160 60/40 10% Salt + 2% Gel 1/4#									
Cement Left in Csg.	19.74'		Shoe Joint	19.74'	Meas Line	80 3/4 BLS Fls-seal 1000 gal mud Clear 48"									

**EQUIPMENT**

Pumptrk	16	No.	Cementer	Billy	Common
			Helper		Poz. Mix
Bulktrk	3	No.	Driver	Ryan	Gel.
			Driver		Calcium
Bulktrk	P.U.	No.	Driver	Rick	
			Driver		

**JOB SERVICES & REMARKS**

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	1-10 Mud CLR 48
Baskets	Bottom of shoe joint CFL-117 or CD110 CAF 38
D/V or Port Collar	pipe on bottom break Sand
Circulation	1000 gal mud Clear Handling
	48, Plug Pathole w/ 20' Hook Mileage
	to casing + mix 130s Cement.

**FLOAT EQUIPMENT**

Shut down wash pump + lines	Guide Shoe
Released plug + Displaced w/ 80 3/4 BLS	Centralizer 10
of water. Released + held.	Baskets 1
Lift pressure 600 #	AFU Inserts
Load plug to 1600 #	Float Shoe 1
	Latch Down 1
	Pumptrk Charge
	Mileage

X Signature	<i>[Signature]</i>	Tax	
		Discount	
		Total Charge	