

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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AUSTIN B. KLAUS

Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: McFarland SWD
Location: Graham County
License Number: API #15-065-24151-00-00
Spud Date: 6/22/2018
Surface Coordinates: Section 18, Township 9 South, Range 21 West
330' FNL & 330' FEL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 2,285
Logged Interval (ft): 3,200 To: RTD
Formation: LKC-Arbuckle
Type of Drilling Fluid: Chemical (K.D.T.)

Region: Kansas
Drilling Completed: 6/27/2018
K.B. Elevation (ft): 2,290
Total Depth (ft): 4,000

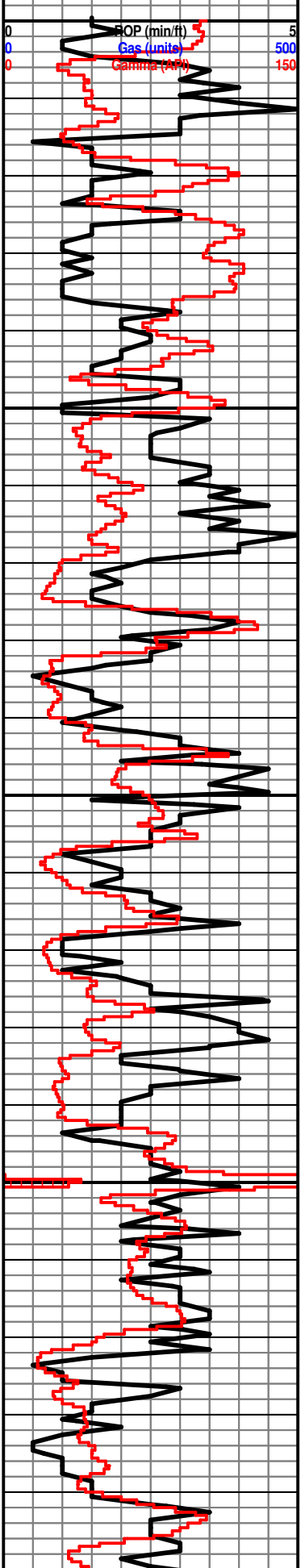
Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: American Oil, LLC
Address: 1200 Main, Suite 410
Hays, KS 67601

GEOLOGIST

Name: Austin Klaus
Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave.
Russell, KS 67665



3200
3250
3300
3350
3400

Sh: gry, blk

Ls: off wh-gry, fn xln, scat foss, scat chalk

Sh: gry, brn

Sh: gry-brn

Topeka 3251' (-961)

Ls: off wh, fn xln, poor int part & scat pp vuggy porosity, NSFO, scat chalk

Ls: ala

Sh: gry

Ls: buff, fn xln, ool, scat fair int xln & ool porosity, scat dead oil stn, scat pyrite

Sh: lt-drk gry

Ls: ala

Sh: drk gry-blk

Ls: off wh-tan, fn xln, poor-fair int xln porosity, scat dead oil stn, vry lt odor, scat chert-off wh

Sh: drk gry-blk

Sh: drk gry

Ls: off wh-buff, fn xln, NSFO, scat chalk

Ls: off wh, fn xln, chalky

Sh: lt gry



Sh: lt gry

Ls: buff, fn xln, poor-fair int part porosity, NSFO, scat chert

Sh: drk gry-brn, soft

Ls: buff, fn xln, poor-fair vuggy porosity, NSFO

Ls: off wh-tan, fn xln, fair int xln & scat vuggy porosity, NSFO, scat chalk

Heebner 3462' (-1172)

Sh: blk, carb, fissile

Sh: drk gry-brn

Toronto 3487' (-1197)

Ls: buff, fn xln, poor int part porosity, mostly DNS, NSFO

Lansing 3506' (-1216)

Ls: off wh-buff, fn xln, fair int xln & scat pp vuggy porosity, chalky, scat chert-off wh

Sh: drk gry-brn

Ls: off wh, fn xln, ool, poor int part porosity, scat oil stn, VSSFO, fnt odor, scat chert-off wh

Sh: drk gry-brn

Ls: off wh, fn xln, poor-fair int xln porosity, vry lt oil stn, VSSFO, fnt odor, scat chert-off wh

Sh: drk gry-brn

Ls: off wh, fn xln, scat foss, poor int part & scat int foss porosity, scat oil stn, NSFO

Ls: off wh, fn xln, foss, poor-fair int part porosity, fair oil stn, VSSFO, fnt odor, chalky

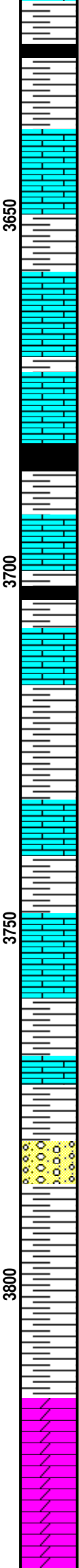
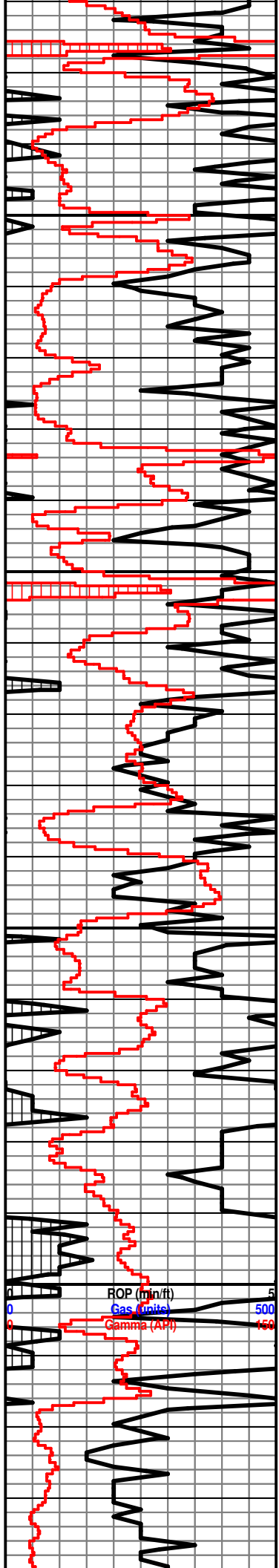
Sh: drk gry

Ls: off wh-buff, fn xln, fair int xln & vuggy porosity, fair oil stn in porosity, SSFO, sl odor

Ls: tan-gry, fn xln, fair int xln & scat vuggy porosity, NSFO, scat chert

Ls: off wh-tan, fn xln, mostly DNS

Wt: 8.8
Vis: 50



Sh: drk gry, blk

Ls: buff, fn xln, NSFO, chalky

Sh: drk gry

Ls: off wh, fn xln, foss, poor-fair int part & scat int foss porosity, fair oil stn, VSSFO, fnt odor

Ls: off wh-tan, fn xln, vry poor int xln porosity, mostly DNS, barren

Sh: drk gry-blk

Ls: off wh, fn xln, foss, poor int part porosity, sl-fair oil stn, VSSFO, fnt odor, scat chert-off wh

Sh: drk gry-brn

Ls: buff, fn xln, chalky, scat chert-off wh

B/KC 3717' (-1427)

Sh: drk gry-brn

Ls: off wh, fn xln, ool, scat int part porosity, scat oil stn, VSSFO, fnt odor

Sh: drk gry-brn, soft

Ls: buff, fn xln, scat foss, chert

Sh: drk gry-brn, scat chert

Ls: tan-gry, fn xln, DNS, NSFO, hvy chert-off wh, cong: off wh-rd, DNS

Sh: brn-rd, soft

Sh: gry-grn

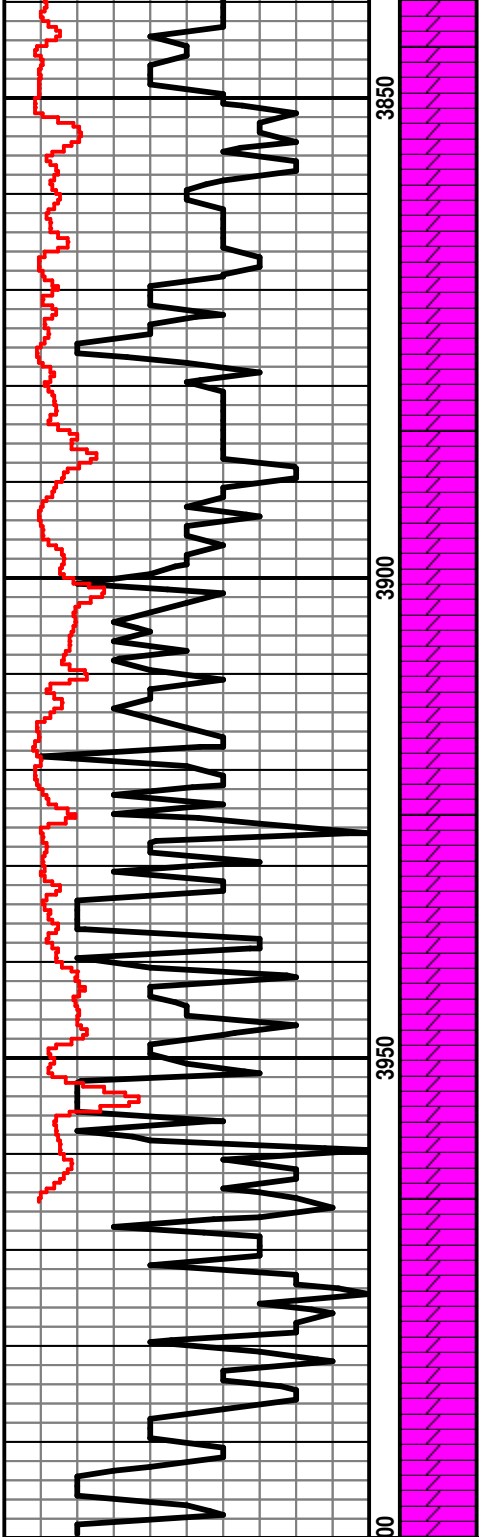
Arbuckle 3815' (-1525)

Dolo: off wh-tan, fn-md xln, poor-fair int xln porosity, scat-fair oil sat, SSFO, good odor

Dolo: off wh-tan, fn-md xln, fair-good sucrosic xln porosity, fair-good oil sat, FSFO, good odor, scat sh

Dolo: buff-tan, fn-md xln, poor-fair int xln porosity, fair oil stn in porosity, S-FSFO, fair-good odor

Wt: 9.1
 Vis: 51



Dolo: buff, fn-md xln, fair-good int xln & scat int part porosity, scat oil stn, mostly barren, fair odor

Dolo: off wh-buff, fn-md xln, poor int xln porosity, barren

Dolo: off wh-tan, fn-md xln, fair-good int xln porosity, scat ool, foss, NSFO

Dolo: off wh-tan, fn xln, ool, fair-good oom porosity, barren, scat chert-off wh

Dolo: off wh-lt gry, fn-md xln, fair-good int xln porosity, barren, scat chert-off wh, scat sh: gry

Dolo: ala

Dolo: tan-gry, fn xln, fair int xln porosity, barren, hvy sh: wht, soft, chalk

Dolo: tan-lt gry, fn-md xln, fair int xln porosity, barren, scat chert-off wh, chalky

Dolo: ala

Dolo: lt gry, fn-md xln, poor-fair int xln porosity, barren

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. 796

Date	6-23-18	Sec.	18	Twp.	9	Range	21	County	Graham	State	Ks	On Location		Finish	1:45 AM
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Lease	McFarland	Well No.	SUD	Location	Bouge S to Curve - 45 W + S to Rig	Owner	
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Contractor	W W #8	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.
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Type Job	Surface	Charge To	American oil
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Hole Size	12 1/4"	T.D.	220'	Street	
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Csg.	8 5/8"	Depth	220'	City		State	
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Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
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Tool		Depth		Cement Amount Ordered	150 80/20 3% CC 2% Gel
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Cement Left in Csg.	15'	Shoe Joint	15'			
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Meas Line		Displace	13 BUS			
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EQUIPMENT

Pumptrk	18	No.	Cement	David	Common	120
			Helper		Poz. Mix	30
Bulktrk	14	No.	Driver	Jack	Gel.	3
			Driver		Calcium	6
Bulktrk	p.u	No.	Driver	Rick		
			Driver			

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate	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	159
		Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	49

X Signature *[Signature]*

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. 855

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-28-18	18	9	21	Cochran	KS		6:15 PM
Lease				Well No.		Owner	
McFarland				3		To Quality Oilwell Cementing, Inc.	
Contractor				Type Job		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
LW #8				Top Stage			
Hole Size		T.D.		Charge To			
2 7/8		4137		American Oil			
Csg.		Depth		Street			
5 1/2		3997					
Tbg. Size		Depth		City		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
DU Tool		1787					
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered		385 8 3/4 @ 100 lbs @ 4 # 10	
Meas Line		Displace					
		42 1/2 BCL					
EQUIPMENT				Common			
Pumptrk	No.	Cementer		Poz. Mix			
5		Helper					
Bulktrk	No.	Driver		Gel.			
15		Driver					
Bulktrk	No.	Driver		Calcium			
20		Driver					
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
305K							
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Plug Retainer 305K Cement 5 1/2				Handling			
with 3550kg Displace Plug				Mileage			
Cement Gravel				FLOAT EQUIPMENT			
Plug located @ 1500ft.				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
X Signature							
Chris McFarland							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 854

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-28-18	18	9	21	Cochran	KS		3:45 PM

Location Boyer 63 WINDO

Lease McFarland Well No. 3 Owner

Contractor WV #8 Bottom Stage To Quality Oilwell Cementing, Inc.

Type Job DV 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. 4137 Charge To American Oil

Csg. 5 1/2 Depth 3997 Street

Tbg. Size 1 1/2 Depth 1787 City State

Tool DV Tool Depth 1787 The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 21.30 Shoe Joint 21.30 Cement Amount Ordered 1500lb 100 8/10 QMDCL

Meas Line Displace 94 1/2 BBL 50 gal mud clean 20 BBL CL

EQUIPMENT

Pumptrk <u>5</u> No. Cementer <u>Tom</u> Helper <u>Tom</u>	Common
Bulktrk <u>15</u> No. Driver <u>Tom</u>	Poz. Mix
Bulktrk <u>20</u> No. Driver <u>Colenn</u>	Gel.
	Calcium

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

5 1/2 size 3997.30 @ 3975.70

Est. Circulation Pump 500 gal mud clean

410 BBL Cement 5 1/2 with

100 SK QMD 1/4 #46 & 150 SK com.

Displace Plug with 12 9 BBL KCL

54 BBL water 36 BBL mud & 4 1/2 BBL water

to land Plug

Plug landed @ 1500 ft

2 1/2 hrs @ 800 ft

Disc. 2 hrs open DV Tool

Circ. 2 HRS

FLOAT EQUIPMENT

Guide Shoe	
Centralizer <u>8</u>	
Baskets <u>3</u>	
AFU Inserts <u>DV Tool 1</u>	
Float Shoe <u>1</u>	
Latch Down <u>1</u>	

Pumptrk Charge

Mileage

Tax

Discount

Total Charge

X Signature Tom McFarland