

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 Recompletion Date _____ 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
--	---

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 _____
---	---	--

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:	
----------------	-------	---------	------------	--

QUALITY OILWELL CEMENTING, INC.

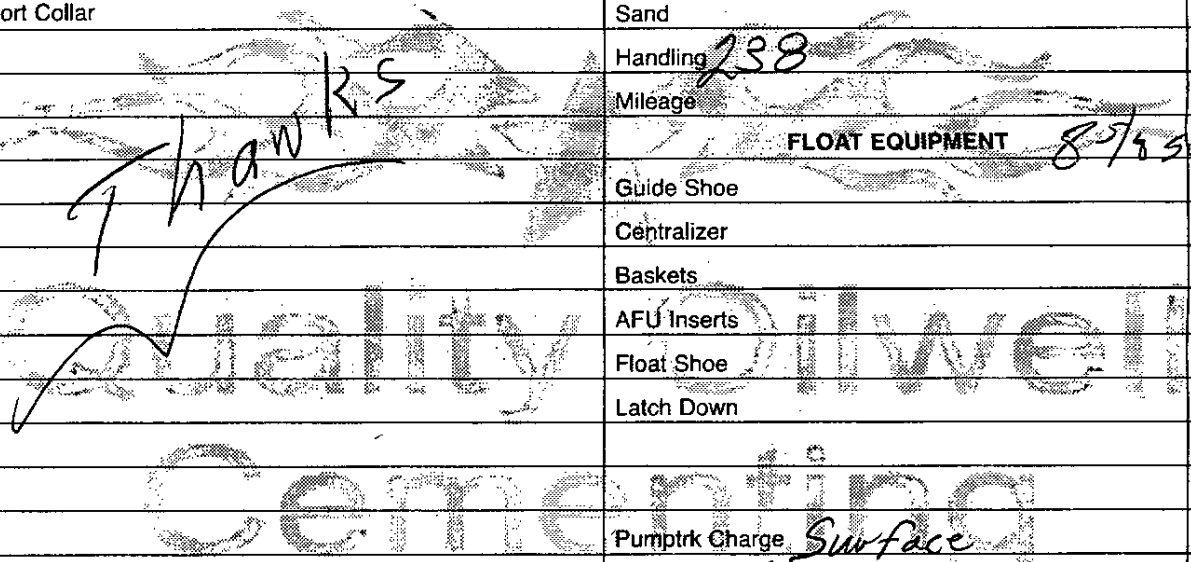
Federal Tax I.D.# 20-2886107

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

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

No. 0997

Date	3-7-19	Sec.	2	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	5:30 AM
Lease								Well No.		Owner					
Schneider C								10		To Quality Oilwell Cementing, Inc.					
Contractor								#3		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										Charge To					
Surface										Larson Engineering Inc.					
Hole Size		12 1/4"		T.D.		431'		Street							
Csg.		8 5/8"		Depth		431'		City							
Tbg. Size				Depth				State							
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.		20'		Shoe Joint		20'		Cement Amount Ordered							
								225 Com 3%CC 2 1/2 Gel							
Meas Line		Displace		26 1/4 Bbs		1/4# Fib-seal		Common							
								225							
EQUIPMENT															
Pumptrk		5		No.		Cementer		Craig							
						Helper									
Bulktrk		3		No.		Driver		Tony							
						Driver									
Bulktrk		p.u.		No.		Driver		Rick							
						Driver									
JOB SERVICES & REMARKS															
Remarks:		Cement did		Circulate		Salt									
Rat Hole						Flowseal		50 #							
Mouse Hole						Kol-Seal									
Centralizers						Mud CLR 48									
Baskets						CFL-117 or CD110 CAF 38									
D/V or Port Collar						Sand									
						Handling		238							
						Mileage									
FLOAT EQUIPMENT															
								8 1/2 swagL							
						Guide Shoe									
						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge		Surface							
						Mileage		15							
						Tax									
						Discount									
						Total Charge									
Signature		Joy Shuer													



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. 1236

Date	3-12-19	Sec.	2	Twp.	16	Range	14	County	Barton	State	KS	On Location		Finish	4:00 PM
								Location							
								Russell Barton Co-line 1/2 S 1/2 SW 10							

Lease	Schneider	Well No.	C-10	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 #3	Type Job	Production String	Charge To	Larson Operating
Hole Size	7 7/8	T.D.	3415	Street	
Csg.	5 1/2 15.50#	Depth	3413	City	
Tbg. Size		Depth		State	
Tool	Part Collar	Depth	1605	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	42.04	Shoe Joint	42.04	Cement Amount Ordered 165 Q Pro-C 10lb Sack	
Meas Line		Displace	80 1/4 BX	5/1 Gilcrete 3/4 11. CFL-110 3/4 11. CD-31	

EQUIPMENT

Pumptrk	5	No.	Cementor	Crain	Common	1/4 1. CAF-38 1000gal Mr 2 Clear
			Helper	Crain	Poz. Mix	165 Q Pro-C
Bulktrk		No.	Driver	Michael	Gel.	
Bulktrk	15	No.	Driver	Doug	Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole	30SK	Salt	15
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	750#
Baskets		Mud CLR 48	1000 gal
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	100# (100#) (25#)
		Handling	187
		Mileage	

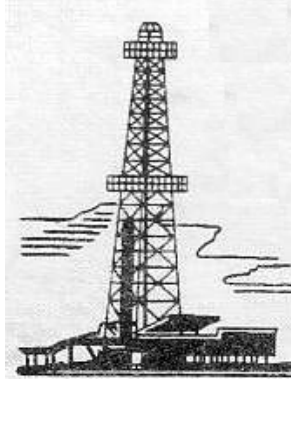
5 1/2 size 3413. Battered 3371.
Est. Circulation - Pump, 1000 gal Mr 2 Clear.
Plug Radio 30SK Cement 5 1/2 with
135SK Clear lines + Displace Plug-
Life pressure 500# Plug landed @
1500#

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Thanks

Pumptrk Charge	prod string	Tax	
Mileage	15	Discount	
Signature	Jay Klein	Total Charge	



WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAAG
CONSULTANT GEOLOGIST



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

Well Name: SCHNEIDER C #10
Location: NE SW NW NE SEC 02-16S-14W
Licence Number: API: 15-009-26254
Spud Date: March 06, 2019
Surface Coordinates: 924' FNL & 2228' FEL
Region: Barton Co., KS
Drilling Completed: March 11, 2019

Bottom Hole Coordinates: 1883' Ground Elevation (ft): 1883' K.B. Elevation (ft): 1891'
Logged Interval (ft): 2700' To: RTD Total Depth (ft): 3415'
Formation: Arbutuckle
Type of Drilling Fluid: Chemical Premix (Displaced)

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

OPERATOR:

Company: Larson Engineering Inc.
Address: 562 West State Road 4
Olmits, KS 67564-8561

DRILLING CONTRACTOR:

Southwind Drilling Co., Rig #3

DP 4.5" XH (16.6#); DC 6-1/4" x 2-3/8", Kelly 40.00', Bit: Varel HE-29, standard jets 14-14-14; rpm 80, WOB 35k; Kelly Bushing 8' above ground level; Jay Krier (tool pusher).

CASING:

Ran 10 jts new 8-5/8" 20# R3 STC 8rd csg. Tallied 421.19, set @ 431' KB.

Ran 82 jts new Midwestern Pipeworks MW-50 5-1/2" 15.5# R3 LTC 8rd csg. Tallied 3417.26', set @ 3413' KB.

CIRCULATION SYSTEM:

Continental EMSCO D-375, duplex, 6 x 14, 60 spm, Chemical, premix, earth pits, MudCo/Service Mud, Inc., Jason Whiting

OPEN HOLE LOGS:

DN, DI (SP), ML (stacked); No Sonic; 5" detail LTD-2700'; 2" DI to surface casing; Pioneer Wireline, Hays, KS, Ian Mabb, Log total depth (3415') was even to rotary total depth (3415').

ROP (min/ft)	DST	Lithology	Depth	Geological Descriptions	Total Gas (units)
0			2750	Shale: gray; calcareous; marly; silty in part;	0
0			2800	TOPEKA 2793 (-902) LS: lt-brown to md grayish-brown; mic-vf xtal; micritic; trc fos; no apparent porosity; N.S.	0
0			2850	LS: as above. Shale: gray; calc. LS: lt-brown to md grayish brown; mic-vf xtal; dense; argill. in part; no apparent porosity; N.S. LS: lt brown to grayish brown; mic-vf xtal; trc spar; micritic; no visible porosity; N.S. LS: lt-md brown; mic-vf xtal; sli fos; sli. chalky; micritic; no visible porosity; N.S. Shale: gray; calc. LS: lt brown to md grayish-brown; mottled; trc opa. chert; sli fos; no visible porosity; N.S. Shale: gray to greenish gray;	0
0			2900	LS: lt brown to grayish brown; vf-xtal; sli fos; no visible porosity; N.S. Shale: gray, green; LS: lt grayish brown; vf-xtal; dense to sli chalky in part; no visible porosity; N.S. LS: as above. LS: lt-md grayish brown, sli mottled; vf-xtal; dense to chalky in part; no visible porosity; N.S. Shale: gray; indistinct.	0
0			2950	LS: lt-md grayish brown; mic-vf xtal; sli fos; sli chalky; trc fos-moldic porosity w/dk brn pin-point stains; v-sli cut w/solvent; otherwise N.S., 2970 sample. LS: lt grayish brown; mic-vf xtal; dense to chalky in part; poor apparent porosity; trc dk brn dry stain 2980, will cut at 2990 sample. LS: lt-md grayish brown; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. LS: v-lt brown to grayish brown; mic-vf xtal; chalky in part; rough textured; fine vug por.; trc spotted dry stains; sli cut w/solvent; 3000.	0
0			3000	LS: v-lt grayish brown; mic-vf xtal; poor apparent porosity; N.S. LS: as above.	0
0			3050	HEEBNER 3019 (-1128) Shale: black; carbonaceous; 3030 sample. Shale: lt-dk green; calc.; marly; LS: lt gray; mic-vf-xtal; dense to sli. chalky; only dull fluor.; no apparent porosity; N.S. Shale: dull gray to green; calc.; seems to be a lot of lime float; Shale: as above;	0
0			3100	LS: lt brown; vf-xtal; dense; no visible porosity; N.S. LS: white to lt brown; vf-xtal; md-crs oolite; poor-fair int ool porosity; spotted lt brn wet & dry stains; only dull fluor.; VSSO at best; <1% 3120. LS: white to lt brown; vf-xtal; oolitic to oom; poor oom porosity; >99% N.S. LS: white to lt brown; vf-xtal; mostly dense; no visible porosity; N.S. LS: as above. LS: white; mic-vf xtal; dense; no visible por. N.S.	0
0			3150	LS: white to lt brown; mic-vf xtal; chalky; poor oomoldic porosity; N.S. (oom show at 3210 is possibly float from this zone ?) LS: white to lt brown; mic-vf xtal; dense to sli chalky; no visible porosity; N.S. LS: white to lt brown; mic-vf xtal; cherty; dense; no visible porosity; N.S.	0
0			3200	LS: white to lt grayish-brown; vf-xtal; dense; no visible porosity; N.S. Shale: gray; LS: white to lt gray; mic-vf xtal; dense; no visible porosity; N.S. LS: lt-md brown; mic-vf xtal; dense to chalky in part; no visible porosity; N.S. LS: as above. Shale: gray, green; calc.	0
0			3250	LS: lt brown to gray; vf-xtal; trc coarse oolite, tight int ool porosity; sli stains; dull fluor.; no visible oil; 3280. Shale: gray; indistinct.	0
0			3300	LS: lt grayish brown; vf-xtal; dense to chalky in part; trc v-fine oom porosity; N.S.	0
0			3350	ARBUCKLE 3311 (-1420) DOL: lt-md brown; vf-f xtal, sucrosic; lime portions; 5-10% spotted to saturated dk brn oil stain; S.S.O., 25-50% even yel-green fluor; 3330 sample (trc at 3320). Note: some chips with no apparent show liberate oil when tested in 3M acid. DOL: as above w/fluor. increasing to 80% at 3340. DOL: v-lt brown; vf-f xtal; limey; trc remnant oolites; fair int xtal porosity; 5-10% spotted stains; even fluor.; VSSO; DOL: lt brown to lt gray; vf-f xtal; limey; fair int xtal por.; spotted stains; even fluor. as before. DOL: as above. DOL: as above; stains decreasing about 2-5% thru to RTD, but high % fluor remains to RTD.	0
0			3400	Note: thru the Arbutuckle section are scattered lime portions w/traces remnant oolites and such.	0
0			3415	ROTARY TOTAL DEPTH 3415 (-1524)	0

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. 536

Date	4-4-19	Sec.	2	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	11:00 AM
------	--------	------	---	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	----------

Location *Russell - Barton Co Line 1/2 E 14 S*

Lease	<i>Schweider</i>	Well No.	<i>C-10</i>	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	<i>Express Well</i>	Type Job	<i>port collar Job</i>	Charge To	<i>Larson Engineering Co</i>
Hole Size		T.D.		Street	
Csg.		Depth		City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	<i>port collar</i>	Depth	<i>1605</i>	Cement Amount Ordered	<i>275 80/20 QmDC 1/4 flt</i>
Cement Left in Csg.		Shoe Joint			
Meas Line		Displace			<i>7 gal. 300 # Hulls</i>

EQUIPMENT

Pumptrk	<i>18</i>	No.		Cementer	<i>Dave</i>
				Helper	
Bulktrk	<i>14</i>	No.		Driver	<i>Doug</i>
				Driver	
Bulktrk	<i>pv</i>	No.		Driver	<i>Mike</i>
				Driver	

Common	<i>175 80/20 QmDC</i>
Poz. Mix	
Gel.	<i>5</i>
Calcium	
Hulls	
Salt	
Flowseal	<i>50 #</i>
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	<i>285</i>
Mileage	

JOB SERVICES & REMARKS

Remarks: *RCC Ray*

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar *1605*

pressured casing to 1000psi & held mixed gel to port collar agency & mixed 2 gel to get circulation mixed 175 slk & in cement. Close tool & check @ 1000psi. Ran 6 JF & wash clean

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	<i>port collar Job</i>
Mileage	<i>15</i>

Signature		Tax	
		Discount	
		Total Charge	