

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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# MORNING DRILLING REPORT

For: H&D Exploration, LLC

SOUTHWIND DRILLING, INC.

RIG No. 3

Steinle OWWO #1  
 Location: 330' FNL & 2310' FEL  
 Section: 30-14S-12W  
 County: Russell  
 API: 15-167-04594-00-01

Elevation: GL 1698'  
 KB 1706'  
 Est. TD: 3400'  
 Conductor: N/A  
 Surface Casing: N/A

Rig No. 3 (Pusher Jay Krier) 620-617-4477  
 Rig No. 3 (Doghouse) 620-566-7104  
 Southwind Drilling Office 620 564-3800



Production info: Ran 77 joints of new 14#, 5 1/2" casing, Tally @ 3262.21', Set @ 3270', used 470 sacks of 80/20 QMOC, 1/2# Flo-seal, cemented, by Quality (Ticket #1329), job complete @ 10:45 pm on 03.10.16.

Rotary Total Depth: 3475'  
 Log Total Depth: N/A

Geologist: Jim Musgrove

**7:00 A.M. Depth: 3475'**

**7:00 A.M. Current Operation: TEAR DOWN**

Spud Date & Time: 3.9.16 @ 2:00pm	03/09/16 Day 1	03/10/16 Day 2	03/11/16 Day 3				Total
Total Depth (7:00am)	0	3260	3475				
Daily Progress	3260	215	0				3475
Ft. Per Hr.	1185.45	39.09	0.00				421.21
Current Operation (7:00am)	Rig Up	Drilling	Tear Down				
Formation	Surface	Lime / Shale	Arbuckle				
Fuel Used: (39 Gal/Inch)	312.00	234.00					546.00
Survey (degree & depth)							
<b>Mud Info</b>							
Mud Cost	\$0.00	\$303.69					\$303.69
Weight (# / Gal)							
Vis (Funnel)							
Water Loss (cc)							
<b>Bit #1</b>							
Bit Make / Type	Reed R24	Reed R24					
Bit Size	7 7/8	7 7/8					
Bit Hours	2.75	5.50					8.25
<b>Bit #2</b>							
Bit Make / Type							
Bit Size							
Bit Hours							0.00
Bit Cumulative Hours	2.75	5.50	0.00	0.00	0.00		8.25
Weight on Bit (WOB)	30,000	30,000					
RPM	80	80					
Pump Pressure	500	900					
Drilling (Rotating) Hours	1.75	5.50					7.25
<b>Daywork Hrs</b>							
Rig Up / Tear Down	6.50	7.75					14.25
Drill Rat Hole	0.50						0.50
Ream & Wash Down	13.50						13.50
Circulate		1.00					1.00
Trip		2.25					2.25
Tool							0.00
Testing							0.00
Run Casing / Cement		3.25					3.25
LDDP		2.50					2.50
Set Slips		0.50					0.50
Nipple Down		0.75					0.75
Jet Cellar							0.00
Drill Plug							0.00
Rig Repair							0.00
Connections	0.25	0.50					0.75
Jet/Displace	0.50						0.50
Logging							0.00
Rig Check							0.00
Wait on Orders							0.00
Survey							0.00
Lay Down Kelly / RH							0.00
<b>Total Hours</b>							<b>39.75</b>
Rig Up / Tear Down Cost	\$ 812.50	\$ 968.75	\$ -	\$ -	\$ -	\$ -	\$ 1,781.25
Daywork Cost (48 Hrs Minimum)	\$ 9,600.00	\$ 9,600.00	\$ -	\$ -	\$ -	\$ -	\$ 19,200.00
Footage Cost	\$ 600.00	\$ 2,150.00	\$ -	\$ -	\$ -	\$ -	\$ 2,750.00
Daywork Cost	\$ -	\$ 2,562.50	\$ -	\$ -	\$ -	\$ -	\$ 2,562.50
<b>Combined Est. Cost*</b>	<b>\$ 11,012.50</b>	<b>\$ 15,281.25</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26,293.75</b>

\*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, move, etc)

# 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. 1329

Date	3-10-16	Sec.	30	Twp.	14	Range	12	County	Russell	State	Ks	On Location		Finish	10:45 PM
								Location							
								Bunker hill, Ks - 3S, 1/2 E, 54 into							

Lease	Steinle Owwo	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 3				
Type Job	Longstring				
Hole Size	7 7/8" #	T.D.	3475'	Charge To	H+D Exploration
Csg.	5 1/2" 14# used	Depth	3268.20'	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.	13.25'	Shoe Joint	13.25'	Cement Amount Ordered	470 80/20 QMDC 1/2#
Meas Line		Displace	79 1/2 BLS	Flo-seal	- 500 gal Mud Clear 48

**EQUIPMENT**

Pumptrk	5	No.	Cement Helper	Craig	Common
Bulktrk	19	No.	Driver	Brett	Poz. Mix
Bulktrk	Pull	No.	Driver	Rick	Gel.
					Calcium

**JOB SERVICES & REMARKS**

Remarks:	pipe on bottom break circulation	Salt
Rat Hole	pump 500 gal mud clear 48	Flowseal
Mouse Hole	plug bathole w/ 30sr	Kol-Seal
Centralizers	Cement 5 1/2" w/ 440 sr	Mud CLR 48
Baskets	2, 43, 66	CFL-117 or CD110 CAF 38
D/V or Port Collar	shut down Released plug	Sand
Wash pump & lines	dispersed	Handling
plug w/ 30sr	at water	Mileage
Released + bell		

**FLOAT EQUIPMENT**

Load plug to	1000 #	Guide-Shoe	Triplex shoe
List pressure	1800 #	Centralizer	
Set Triplex shoe w/	2000 #	Baskets	3
Cement did not circulate		AFU Inserts	
		Float Shoe	
		Latch Down	1

Pumptrk Charge		Tax	
Mileage		Discount	
		Total Charge	
X Signature	Jay Klein		