



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205202
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
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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: _____

1205202

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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MORNING DRILLING REPORT

For: H&D Exploration

SOUTHWIND DRILLING, INC.

RIG No. 6

Well Name: **Staudinger Heirs #1**
 Location: **890' FNL & 444' FEL**
 Section: **26-15S-12W**
 County: **Russell**
 API: **15-167-23969-00-00**

Elevation: **GL 1860'**
KB 1868'
 Est. TD: **3400'**

Rig No. 6 (Pusher Wes Pfaff) 620-566-7094
 Rig No. 6 (Doghouse) 620-566-7156
 Southwind Drilling Office 620 564-3800



Surface Casing: Ran 18 joints of new 23#, 8 5/8" casing, Tally @ 752', Set @ 762', used 325 sacks of Common, 3% cc, 2% gel, cement-circulated, by Quality (Ticket #063), plug down @ 8:45 am on 05.10.14.

Plugging Info: Plugged well with 160 sacks of 60/40 Poz, 4% gel, 1/4# Flo-seal, 1st plug @ 812' w/ 40 sacks, 2nd plug @ 460' w/ 80 sacks, 3rd plug @ 40' w/ 10 sacks, 30 sacks for Rat hole, cemented, by Quality (Ticket #034), job complete @ 11:45 pm on 05.15.14.

Rotary Total Depth: **3341'**

Log Total Depth: **N/A**

Geologist: **Jim Musgrove**

7:00 A.M. Depth: 3341'

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

Spud Date & Time:	05/09/14	05/10/14	05/11/14	05/12/14	05/13/14	05/14/14	05/15/14	05/16/14	Total
05/09/2014 @ 1:30 PM	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	
Total Depth (7:00am)	0	762	800	2107	2800	3070	3270	3341	
Daily Progress	762	38	1307	693	270	200	71		3341
Ft. Per Hr.	74.34	16.89	67.03	33.80	27.69	21.62	20.29	#DIV/0!	44.55
Current Operation (7:00am)	Rig Up	Run Casing	Drilling	Drilling	Drilling	TIWB	Drilling	Tear Down	
Formation	Surface	Surface	Sand / Shale	Sand / Shale	Sand / Shale	Sand / Shale	Sand / Shale		
Fuel Used	183.15	183.21	318.21	330.42	265.05	226.98	183.00		1690.03
Survey (degree & depth)	3/4" @ 762'				1" @ 3070'				
Mud Cost	\$0.00	\$0.00	\$1,483.95	\$4,103.15	\$962.15	\$755.05	\$485.75		\$7,790.05
Weight (# / Gal)				8.9	9.0	9.2			
Vis (Funnel)				49	47	50			
Water Loss (cc)					10.0	9.2			
Bit #1									
Bit Make / Type	JZ								
Bit Size	12 1/4								
Bit Hours	10.25								10.25
Bit #2									
Bit Make / Type		JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q		
Bit Size		7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8		
Bit Hours		2.25	19.50	20.50	9.75	9.25	3.50		64.75
Bit Cumulative Hours	10.25	2.25	19.50	20.50	9.75	9.25	3.50	0.00	75.00
Weight on Bit (WOB)	15,000	10,000	32,000	35,000	35,000	35,000	35,000		
RPM	100	70	85	85	85	85	85		
Pump Pressure	500	450	650	700	650	725	725		
Drilling (Rotating) Hours	10.25	2.25	19.50	20.50	9.75	9.25	3.50	0.00	75.00
Daywork Hrs. (Operator's time)									
Rat Hole (>.75 Hrs)	0.50								0.50
Wait on Cement		8.00							8.00
Trip	1.25				5.75	7.00			14.00
Circulate					2.50	3.50	7.25		13.25
Tool					0.75	1.00			1.75
Testing					2.00	2.25			4.25
Wait on Tester									
Clean Floor after DST							0.75		0.75
Lost Circulation (> 2 hrs)									0.00
Wait on Orders									0.00
Logging									0.00
LDDP / LDDC / Plug well									0.00
Run Casing / Circ / Cement	0.75	1.75					5.00		5.00
Set Silps									2.50
Nipple Down/Jet Cellar									0.00
Billable Hours	2.50	9.75	0.00	0.00	11.00	13.75	13.00	0.00	50.00
Non-Billable Hours (Southwind's time)									
Rig Up / Tear Down	5.25						7.25		12.50
Wait on Cement (NB)		2.00							2.00
Drill Rat Hole (<.75 hrs)	0.75								0.75
Drill Plug		1.00							1.00
Circulate / Trip (Surface)	1.25								1.25
Rig Repair		8.75	0.25		1.75				10.75
Connections	2.50	0.25	3.25	2.25	1.00	0.75	0.25		10.25
Jet/Displace	1.25		0.75	1.00					3.00
Surveys	0.25				0.25				0.50
Rig Check			0.25	0.25	0.25	0.25			1.00
Lost Circulation (< 2 hrs)									0.00
Lay Down Kelly / MH & RH									0.00
Circulate (NB)									0.00
Non-Billable Hrs.	11.25	12.00	4.50	3.50	3.25	1.00	7.50	0.00	43.00
Footage Cost	\$ 10,668.00	\$ 532.00	\$ 18,298.00	\$ 9,702.00	\$ 3,780.00	\$ 2,800.00	\$ 994.00	\$ -	\$ 46,774.00
Daywork Cost	\$ 875.00	\$ 3,412.50	\$ -	\$ -	\$ 3,850.00	\$ 4,812.50	\$ 4,550.00	\$ -	\$ 17,500.00
Combined Est. Cost*	\$ 11,543.00	\$ 3,944.50	\$ 18,298.00	\$ 9,702.00	\$ 7,630.00	\$ 7,612.50	\$ 5,544.00	\$ -	\$ 64,274.00

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

DST #1 Info -	Footage Interval: 3036' - 3070'	"Lansing"	DST #2 Info -	Footage Interval: 3176' - 3230'	Lansing "H-1"
	Recovery: 5' Mud			Recovery: 20' Mud	

Anhydrite @ 757' - 787'

Displaced @ 2484' - 2500'

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. 034

Date	5-15-14	Sec.	26	Twp.	15	Range	12	County	Russell	State	KS	On Location		Finish	11:45p.m.
Lease								Well No.		Owner					
Contractor								1		To Quality Oilwell Cementing, Inc.					
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.					
Hole Size								T.D.		Charge To					
Csg.								33 41		H-D Expiration					
Tbg. Size								Depth		Street					
Tool								Depth		City State					
Cement Left in Csg.								Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line								Displace		Cement Amount Ordered 160 2 1/4 4 1/2 gal 14 # Flt					
EQUIPMENT												Common			
Pumptrk	20	No.	Cementer	Conig			Helper		96						
Bulktrk		No.	Driver	McK			Driver		64						
Bulktrk	1	No.	Driver	Chapman			Driver		6						
JOB SERVICES & REMARKS												Hulls			
Remarks:												Salt			
Rat Hole												Flowseal 40ft			
Mouse Hole												Kol-Seal			
Centralizers												Mud CLR 48			
Baskets												CFL-117 or CD110 CAF 36			
D/V or Port Collar												Sand			
15' 812 40SK												Handling 166			
2nd 460 80SK												Mileage			
3rd 40 10SK												FLOAT EQUIPMENT			
												Guide Shoe			
												Centralizer			
												Baskets 8 1/2 In. Dry Hole Plug			
												AFU Inserts			
												Float Shoe			
												Latch Down			
												Pumptrk Charge plug			
												Mileage			
												Tax			
												Discount			
												Total Charge			

X Signature *W. J. P. [Signature]*

