



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1174202
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: _____

1174202

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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CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	Pitman Resources	State, County	Montgomery, Kansas	Cement Type	CLASS A
Job Type	Long String	Section	34	Excess (%)	30%
Customer Acct #		TWP	33	Density	14.1
Well No.	Watson #29	RGE	14E	Water Required	5.38
Mailing Address		Formation		Yeild	1.3
City & State		Tubing		Sacks of Cement	105
Zip Code		Drill Pipe		Slurry Volume	24.3
Contact		Casing Size	4 1/2	Displacement	12.3
Email		Hole Size	6 3/4	Displacement PSI	300/800
Cell		Casing Depth	760	MIX PSI	300
Dispatch Location	BARTLESVILLE	Hole Depth	764	Rate	4.5

Code	Cement Pump Charges and Mileage	Quantity	Unit	Price per Unit	
5401	CEMENT PUMP (2 HOUR MAX)	1	2 HRS MAX	\$1,085.00	\$ 1,085.00
5402	FOOTAGE	760	PER FOOT	\$0.23	\$ 174.80
5406	EQUIPMENT MILEAGE (ONE-WAY)	33	PER MILE	\$4.20	\$ 138.60
5407	MIN. BULK DELIVERY (WITHIN 50 MILES)	1	PER LOAD	\$368.00	\$ 368.00
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
EQUIPMENT TOTAL					\$ 1,766.40

Cement, Chemicals and Water					
1124	50/50 POZMIX CEMENT W/ NO ADDITIVES	105	0	\$11.50	\$ 1,207.50
1118B	PREMIUM GEL/BENTONITE (50#)	350	0	\$0.22	\$ 77.00
1107A	PHENOSEAL	80	0	\$1.35	\$ 108.00
1110A	KOL SEAL (50 # SK)	550	0	\$0.46	\$ 253.00
1111	GRANULATED SALT (50#) SELL BY #	250	0	\$0.39	\$ 97.50
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
0		0	0	\$0.00	\$ -
CHEMICAL TOTAL					\$ 1,743.00

Water Transport					
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
TRANSPORT TOTAL					\$ -

Cement Floating Equipment (TAXABLE)					
Cement Basket					
0			0	\$0.00	\$ -
Centralizer					
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
Float Shoe					
0			0	\$0.00	\$ -
Float Collars					
0			0	\$0.00	\$ -
Guide Shoes					
0			0	\$0.00	\$ -
Baffle and Flapper Plates					
0			0	\$0.00	\$ -
Packer Shoes					
0			0	\$0.00	\$ -
DV Tools					
0			0	\$0.00	\$ -
Ball Valves, Swedges, Clamps, Misc.					
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
Plugs and Ball Sealers					
4404	4' 1/2" RUBBER PLUG	1	PER UNIT	\$47.25	\$ 47.25
Downhole Tools					
0			0	\$0.00	\$ -
CEMENT FLOATING EQUIPMENT TOTAL					\$ 47.25

TRUCK#	DRIVER NAME		
656	John Wade		
419	James Ness		
	Fildes, Jeff		
Nunnley	Nunnley		

	6.30% SUB TOTAL	\$ 3,556.65
	SALES TAX	\$ 112.79
	TOTAL	\$ 3,669.44
	5% (-DISCOUNT)	\$ 183.47
	DISCOUNTED TOTAL	\$ 3,485.96

AUTHORIZATION _____
 DATE _____

TITLE _____
 FOREMAN *[Signature]*

9/18/2013



5220000696

CEMENT FIELD TICKET AND TREATMENT REPORT

Time:	Description	Rate (bpm)	Volume (bbl)	Pressure	Notes

REMARKS

Hooked up to casing and pumped a 150# gel sweep with lcm. Established circulation . Ran 105 sacks of 50/50 poz cement with 2% gel,5% salt,5# kolsel,40 pheno at 14.1 ppg. Shut down and washed pump and lines. Dropped plug and displaced 12.3bbl. To land plug at 1300psi. released press and plug held. Nunnley supplied the water. Washed up pump truck. Thank You.

More Notes:

Southwinds Energy, LLC Drillers Log

Operator: Raygary Oil Co.

Address: 3435 CR1900

Havana, KS 67347

Lease	Watson
Well No.	29
Footage Location	Section 34 T33S R14E
	1788 FSL & 3774 FEL
Contractor	Southwinds Energy, LLC
Spud Date	9/13/2013
Date Completed	9/17/2013
Total Depth	765'

Casing Record	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Cement
Surface	12.25"	8.625"	20 lbs./ft	23.3'	Portland - 6sx
Production	6.75"	4.5"	9.5 lbs./ft	758.05	-

Well Log

Formation	Top	Bottom	Formation	Top	Bottom
Topsoil	0	3			
Clay	3	11			
Lime	11	13			
Shale	13	41			
Lime	41	43			
Shale	43	64			
Lime	64	68			
Shale	68	75			
Lime/Shale	75	97			
Shale	97	334			
Lime	334	335			
Shale	335	398			
Sand	398	470			
Shale	470	499			
Lime	499	506			
Sand	506	521			
Sandy Shale	521	540			
Shale	540	682			
Lime	682	694			
Sand	694	724	Core	698	718
Shale	724	765			