Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1174203

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 #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to SWD	Drilling Fluid Measurement Disp
Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	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:				

	Page Two	1174203
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS, Chow important tang of formations papatrated	Datail all agree Bapart al	I final conice of drill stome tests siving interval tested, time test

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 (Attach Additional She	eets)	Yes No		-	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purposo:	Denth						

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD				
Plug Off Zone				

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For	RECOF	RD - Bridge F Each Interval	Plugs Set/Typ Perforated	e	A		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Rı	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	} .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF C	GAS:			METHOD		TION:	_	PRODUCTION IN	TERVAL:
Vented Sold	l [] l	Used on Lease		Open Hole	Perf.	Dually (Submit)	Comp.	Commingled	·	
(If vented, Sul	bmit ACC	D-18.)		Other (Specify)	(Submit)	,	(Submit ACO-4)		

9/20/2013

DATE

CONSOLIDATED CA. CEMENT FIELD TICKET AND TREATMENT REPORT

	RAYGARY OIL S	State, County	Montgomery , Kansas	Cement Type		CLASS A
Туре		Section	34	Excess (%)		30%
tomer Acct #		TWP	33	Density		14.1
II No.		RGE	14	Water Required		5.38
iling Address		ormation	14	Yeild		1.3
/ & State		Fubing		Sacks of Cement		105
Code		Drill Pipe		Slurry Volume	-	24
ntact		Casing Size	4.5" 10.5"		-	
nail		and the second se		Displacement	-	12.3
		Hole Size	6.75"	Displacement PSI		350/900
the second s		Casing Depth	760	MIX PSI		250
spatch Location		lole Depth	765	Rate		4
de		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	\$0.00	\$	
0			0	\$0.00	\$	
0			0	\$0.00	\$	
0			0	\$0.00	\$	-
0			0	\$0.00	\$	-
				EQUIPMENT TOTAL	Contractor of the local division of the loca	1,766.40
	Cement, Chemicals and Water				-	1,700.40
1124	50/50 POZMIX CEMENT W/ NO ADDITIVES	105	0	\$11.50	2	1 207 50
1118B	PREMIUM GEL/BENTONITE (50#)	350	0	\$11.50	\$	1,207.50
1107A	PHENOSEAL	80	0	\$0.22		77.00
1110A	KOL SEAL (50 # SK)	550	0	\$0.46	\$	108.00
1111	GRANULATED SALT (50#) SELL BY #	250	0		\$	253.00
0		200	0	\$0.39	\$	97.50
0			0	\$0.00	\$	-
0			0	\$0.00	\$	-1
0				\$0.00	\$	-
0			0	\$0.00	\$	
0			0	\$0.00	\$	-
0			0	\$0.00	\$	
0			0	\$0.00	\$	-
0			0	\$0.00	\$	-
			0	\$0.00	\$	
Contraction of the local distance of the loc				Chemical Total	\$	1,743.00
	Cement Water Transports					
0		and the second second	0	\$0.00	\$	
0			0	\$0.00	\$	
0			0	\$0.00	\$	
			是 你都没有 经约 一 200	Transports Total	\$	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1
	Cement Floating Equipment (TAXABLE)			Second Second Second		
	Cement Basket				1.4.4	tes sidentes de la ser
0			0	\$0.00	\$	
	Centralizer	and the second	teresteres and the state solution of			
0			0	\$0.00	\$	-
0	0		0	\$0.00	\$	
	Float Shoe	1 -	Construction and an and a second second second second			
0	Paid GN	LOC	0	\$0.00	\$	-
	Float Collars				Nellasia	
0	E-D III	TL	0	\$0.00	\$	-
	Guide Shoes OK THIS	900				
0			0	\$0.00	\$	
	Baffle and Flapper Plates	#			-	
0	T WATSON	24	0	\$0.00	\$	-
	Packer Shoes	~ .			1999	
0	A11 4 -A	057	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		<u> </u>	φ0.00	φ	-
4404	4' 1/2" RUBBER PLUG	1	PER UNIT	\$47.25	¢	47.05
	Downhole Tools		FERUNII	\$47.25	\$	47.25
0		1	0	00.00	¢	
			CEMENT FLOATING E	\$0.00	\$	- 47.25
	DRIVER NAME		CEIVIENT FLOATING E	SUB TOTAL	¢	47.25
TRUCK#	DONNIE		6.30%	SALES TAX	3	3,556.65 104.61
TRUCK# 674	CASEY MARR		0.0070	TOTAL	\$	3,661.26
674 700 T133						0,001.20
674	JAKE COLE		5%	(-DISCOUNT)	\$	177.83
674 700 T133				(-DISCOUNT)	\$ \$	177.83 3,483.43

onde FOREMAN

I ACKNOWLEDGE THAT THE PAYMENT TERMS, UNLESS SPECIFICALLY AMENDED IN WRITING ON THE FRONT OF THE FORM OR IN THE CUSTOMER'S ACCOUNT RECORDS, AYOUR OFFICE,

5/20/2013	С С		D TREATMENT REPORT		
Customer				-	
Job Type	RAYGARY OIL	State, County	Montgomery , Kansas	Cement Type	CLASS A
Customer Acct #	LS	Section	34	Excess (%)	30%
	0	TWP	33	Density	14.1
Well No.	DEFENBAUGH 24	RGE	14	Water Required	5.38
Mailing Address	0	Formation	0	Yeild	1.3
City & State	0	Tubing	0	Sacks of Cement	105
Zip Code	0	Drill Pipe	0	Slurry Volume	24
Contact	0	Casing Size	4.5" 10.5"	Displacement	12.3
Email	0	Hole Size	6.75"	Displacement PSI	350/900
Cell	0	Casing Depth	760	MIX PSI	250
Dispatch Location	BARTLESVILLE	Hole Depth	765	Rate	4
Time:	Description	Rate (bpm)	Volume (bbl)	Pressure	Notes
			start and a start of the	- Constitution of the second	
			a comparison of the second	man and a second of	
Amou	int of Cement Left in Casing	0 ft			
and a special		Remarks:			
	SAFTY MTG AND RIG UP. EST CIRC WI	TH GEL AND H20. RUN 105SX 5	50/50 POZ WITH GEL KOL SAL	T AND PHENO.	
	WASH OUT PUMP #	AND LINES AND RELEASE PLUG.	DISPL 12.3 BBLS TO LAND		
	F	PLUG LANDED AT 1100# CMT T	O SURF		
		THANK YOU			
and the second second					
	The second second second second second				

Southwinds Energy, LLC Drillers Log

Operator: Raygary Oil Co. Address: 3435 CR1900 Havana, KS 67347

Lease	Defenbaugh
Well No.	24
Footage Location	Section 34 T33S R14E
	860 FSL & 3523 FEL
Contractor	Southwinds Energy, LLC
Spud Date	9/18/2013
Date Completed	9/20/2013
Total Depth	765'

Casing Record	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Cement
Surface	12.25"	8.625"	20 lbs./ft	21.7'	Portland - 6sx
Production	6.75"	4.5"	9.5 lbs./ft	760.75'	-

Well Log

Formation	Тор	Bottom	Formation	Тор	Bottom
Topsoil	0	3	Lime	748	761
Clay	3	13	Shale	761	765
Shale	13	29			
Lime	29	31			
Shale	31	58			
Sand	58	74			
Shale	74	80			
Sand	80	84			
Shale	84	211			
Lime	211	219			
Sand	219	320			
Shale	320	353			
Sand	353	378			
Shale	378	499			
Lime	499	512			
Sand	512	522			
Shale	522	664			
Lime	664	675			
Sand	675	710	Core	681	701
Sandy Shale	710	715			
Shale	715	748			