

Confidentiality Requested: Yes No

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

1205980

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

R. ____ East West

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	 API No. 15
Name:	 Spot Description:
Address 1:	 Sec TwpS.

Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from Deast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□ NE □ NW □ SE □ SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (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:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) 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
	If Alternate II completion, cement circulated from:
Operator:	feet depth to:w/sx cmt
Well Name:	leet depth to: w/ sx cmit
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	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 #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	Quarter Sec TwpS. 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:

	Page Iwo	1205980		
Operator Name:	Lease Name:	Well #:		
Sec TwpS. R East West	County:			
INCTRUCTIONS: Chain important tang of formations paratrated Da	tail all aaraa Danart all 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 Sheets)		Yes No	□ L	og Formatio	n (Top), Depth and Datum		Sample	
Samples Sent to Geological Survey		Yes No	Nam	e		Тор	Datum	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
	CASING RECORD Vew 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.					
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Po	ercent Additives		
Protect Casing Plug Back TD								
Plug Off Zone								

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

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

No

No

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					e	A		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner Ru	un:	No	
Date of First, Resumed	I Product	ion, SWD or ENHF	} .	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									T	
DISPOSITION OF GAS:			METHOD OF COMPLETION:			PRODUCTION IN	TERVAL:			
Vented Solo	d 🗌	Used on Lease		Open Hole	Perf.		Comp.	Commingled		
(If vented, Submit ACO-18.)				(Submit A				(Submit ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Greystone, Inc.
Well Name	ZZ Farms 1
Doc ID	1205980

Tops

Name	Тор	Datum
Anhydrite	1472	+666
Base	1513	+624
Howard	3170	-1032
Topeka	3186	-1049
Heebner	3420	-1282
Toronto	3438	-1300
Lansing	3464	-1326
ВКС	3706	-1568
Conglomerate	3766	-1632
Arbuckle	3808	-1672

Form	ACO1 - Well Completion
Operator	Greystone, Inc.
Well Name	ZZ Farms 1
Doc ID	1205980

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface Pipe	12.25	8.625	20	221	common	Gel 2 Calcium 3

	DRILL STEM TES	T REPC	RT			
RILOBITE	Greystone, Inc		12-13s	-19w E	Illis KS	
ESTING , INC	PO Box 505 Hays KS 67601			ZZ Farms #1 Job Ticket: 54026 DST		DST#:2
	ATTN: Randy Killian		Test Sta	art: 201	4.04.12 @	11:03:00
GENERAL INFORMATION:						
ormation: LKC "H-J" Deviated: No Whipstock: Time Tool Opened: 12:35:45 Time Test Ended: 16:03:30	ft (KB)		Test Ty Tester: Unit No	c	ody Bloedo	Bottom Hole (Reset) rn
otal Depth: 3655.00 ft (KB) (Th	5 55.00 ft (KB) (TVD) /D) e Condition: Fair		Refere	nce ⊟ev KB to	vations: GR/CF:	2134.00 ft (KB) 2129.00 ft (CF) 5.00 ft
Serial #: 8648 Inside Press@RunDepth: 54.05 psig Start Date: 2014.04.12 Start Time: 11:03:05	@ 3642.00 ft (KB) End Date: End Time:	2014.04.12 16:03:29	Capacity: Last Calib.: Time On Btn Time Off Btr		014.04.12 (8000.00 psig 2014.04.12 @ 12:35:30 @ 14:40:30
EST COMMENT: 05 - IF- 1/2" blov 60 - ISI- No retu 30 - FF- No blow 30 - FSI- No retu	rn V					
Pressure vs.	Time 🔽				E SUMM	
		Time (Min.) 0 1 7 66 66 96 124 125	(psig) (1815.37 49.91 50.76 898.60 50.55 54.05 127.26		Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	o-static low (1) n(1) low (2) n(2)
Recovery				Ga	s Rates	
Length (ft) Description 10.00 Mud - Oil spots, 100%M	Volume (bbl) 1 0.14			Choke (i	nches) Press	ure (psig) Gas Rate (Mcf/d)
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 54026			Printed	2014.04.1	6 @ 08:32:15

Creystone, hc 12.13s-19w Ellis KS O'Box 505 Hays KS 87601 ATTN: Rancy Killian ZZ Farms #1 Job Ticket: 50100 DBT#: 1 Test Start: 2014.04.11 @ 16:36.00 GENERAL INFORMATION: Formation: LKC "C-P Deviated: Test Type: Conventional Bottom Hole (Inite)) Tasts: Conventional Bottom Hole (Inite) Deviated: No Winjestock: ft (KB) Test Type: Conventional Bottom Hole (Inite) Time Test Ended: 2227.30 Test Type: Conventional Bottom Hole (Inite) Tast Ended: 2227.30 Test Type: Conventional Bottom Hole (Inite) Start Del: 2354.00 ft (KB) (TVD) Tast Start: 2014.04.11 Eds Bottom Hole (Inite) Start Del: 2014.04.11 End Date: 2014.04.11 2014.04.11 2014.04.11 Start Del: 2014.04.11 Eds Date: 2014.04.11 2014.04.11 2014.04.11 2014.04.11 Start Del: 2014.04.11 Eds Date: 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 2014.04.11 20		DRILL STEM TES	
Hays KS 67601 Job Ticket: 56100 DST#: 1 ATTN: Randy Killian Test Start: 2014.04.11 @ 16.36.00 SENERAL INFORMATION: Firmation: LKC *C-E* Deviated: No Whipstock: ft (KB) The Tool Opened: 19 00:15 Test Type: Conventional Bottom Hole (Initial) The Tool Opened: 19 00:15 Test Type: Conventional Bottom Hole (Initial) The Tool Opened: 19 00:15 Test Type: Conventional Bottom Hole (Initial) Test Top: X536.00 ft (KB) (TVD) Test Type: Conventional Bottom Hole (Initial) Total Depth: 3536.00 ft (KB) (TVD) Test Type: 2014.04.11 2129.00 ft (CP) Start Date: 2014.04.11 End Date: 2014.04.11 East Callo: 2014.04.11 214.94.11 Start Time: 16/38.05 End Time: 2014.04.11 East Callo: 2014.04.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214.94.11 214	RILOBITE	Greystone, Inc	12-13s-19w Ellis KS
First reaction	ESTING , INC		
Granation: LKC *C-E* Deviated: No Winjstock: ft (KB) Ime Toci Opened: 19:00:15 Test Type: Conventional Bottom Hole (Initial) Test Type: 2:2:27:30 Uht No: 73 Interval: 3453.00 ft (KB) To 3536.00 ft (KB) (TVD) Reference Elevations: 2134.00 ft (KB) Start Date: 7.88 inchesHole Condition: Fair KB to GRVCF: 5.00 ft Start Date: 2014.04.11 End Date: 2014.04.11 2014.04.11 2014.04.11 Start Date: 2014.04.11 End Date: 2014.04.11		ATTN: Randy Killian	Test Start: 2014.04.11 @ 16:36:00
60 - ISI- No return 30 - FF- No blow 30 - FSI- No return PRESSURE SUMMARY Time Time <th< td=""><td>Cormation: LKC "C-E" Deviated: No Whipstock: Time Tool Opened: 19:00:15 Time Test Ended: 22:27:30 Interval: 3453.00 ft (KB) To 35 Total Depth: 3536.00 ft (KB) To 35 Hole Diameter: 7.88 inchesHole Press@RunDepth: 54.58 psig Start Date: 2014.04.11</td><td>36.00 ft (KB) (TVD) /D) a Condition: Fair @ 3523.00 ft (KB) End Date:</td><td>Tester: Cody Bloedorn Unit No: 73 Reference Elevations: 2134.00 ft (KB) 2129.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig 2014.04.11 Last Calib.: 2014.04.11 @ 18:59:45</td></th<>	Cormation: LKC "C-E" Deviated: No Whipstock: Time Tool Opened: 19:00:15 Time Test Ended: 22:27:30 Interval: 3453.00 ft (KB) To 35 Total Depth: 3536.00 ft (KB) To 35 Hole Diameter: 7.88 inchesHole Press@RunDepth: 54.58 psig Start Date: 2014.04.11	36.00 ft (KB) (TVD) /D) a Condition: Fair @ 3523.00 ft (KB) End Date:	Tester: Cody Bloedorn Unit No: 73 Reference Elevations: 2134.00 ft (KB) 2129.00 ft (CF) KB to GR/CF: 5.00 ft Capacity: 8000.00 psig 2014.04.11 Last Calib.: 2014.04.11 @ 18:59:45
15.00 Mud, 100%M 0.21	30 - FSI- No retu Pressere vs.		Time (Min.) Pressure (psig) Temp (deg F) Annotation 0 1715.85 105.01 Initial Hydro-static 1 50.25 104.50 Open To Flow (1) 6 51.55 104.67 Shut-In(1) 64 917.88 106.22 End Shut-In(1) 65 52.29 105.88 Open To Flow (2) 93 54.58 106.91 Shut-In(2) 126 518.57 107.95 End Shut-In(2) 126 1677.13 108.38 Final Hydro-static
	Longer (ii)		

Trilobite Testing, Inc

LWELL CEMENTING, INC. Federal Tax 1.D.# 20-2886107 QUALITY OILWE

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

No. 015

Phone 785-483-2025 Cell 785-324-1041		H	ome Office	P.O. BO	X 32 NU	ssell, KS 67665	a a ser der die Solden Generalise Basser			
Cell 705-524-1041	Sec.	Twp.	Range	C	ounty	State	On Location	Finish		
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Contractor Royal #	<u> </u>		n i Stan Stan 1918 - Stan Stan		You are he cementer a	reby requested to ren and helper to assist ov	t cementing equipme	do work as listed.		
Type Job Sor face			112		Charge Con Klong The					
Hole Size 17/4			222		10 OT CY FOR					
Csg. 8-5/8		Depth	221		Street	F		601-0506		
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	EQUIP	1	· · ·		Common	130				
Pumptrk / SNO. Ceme	enter	aig 11			Poz. Mix	1				
Bulktrk No. Drive		Y			Gel.	5				
Bulktrk 14 No. Drive		n		1999 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 -	Calcium	5	-			
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D/V or Port Collar				a na san	Sand					
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QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Office P.O. Box 32 Russell, KS 67665

No. 203

Cell 785-324-1041	Sec.	Twp.	Range	County	State	On Location	Finish 4:30 pm		
Date 4-13-14	12	13	19	Ellis	ks		1100 -11		
	privalent.	ten ger		Location Hays	N to feedlot	Rd, 3v, Sn2			
Lease 22 Farms	Property and the	Γ.	Well No.	Owner					
	1	1 1 2	•		Oilwell Cementing, In	nt cementing equipme	nt and furnish		
Contractor Royal #	•			cementer a	ind helper to assist o	wher or contractor to	do work as liste		
Type Job Plug	qi to gal s		· ·	Charge G	reystone In	3	3/340943		
Hole Size		T.D. Depth		Street					
Csg.				City		State			
Tbg. Size		Depth			was done to satisfaction	and supervision of own	er agent or contra		
Tool		Depth		Cement A	mount Ordered 27() sx 60/40,4%	gel. 1/4# Fla		
Cement Left in Csg.		Shoe J							
Meas Line	EQUIP	Displac	же 	Common	162				
No. Cer	nenter		T	Poz. Mix	128		레이지 아니아.		
Pumptrk 17 No. Hei	per N	ick			10				
Bulktrk 9 Driv	ver Ky	n		Gel.	U				
Bulktrk P4 Driv	ver Trav			Calcium					
JOB	SERVICES	S & REMA	ARKS	Hulls					
Remarks:				Salt	1712				
Rat Hole	ushefar (kj			Flowseal					
Mouse Hole	1.5			Kol-Seal			- Calibration		
Centralizers				Mud CLR					
Baskets				CFL-117	or CD110 CAF 38				
D/V or Port Collar				Sand	<u> </u>				
50 sx at 3790				Handling	280				
25 sx at 1490				Mileage					
100 sx at 730					FLOAT EQUI	PMENT			
405× 97 270				Guide Sh	0e	<u></u>			
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QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665 No. 203

Date 4-13-14 12 13 19 Ellis K.5 4:30 p4 Lease 22 Farms Well No. 1 Owner To Ouality Olivell Cementing, Inc. Contractor Royal #1 To Ouality Olivell Cementing, Inc. You are hereby requested to rent comenting equipment and furnish cementer and heiger to assisted work as listed. Hole Size T.D. Charge Creystane I.A. Csg. Depth Street Street State Tool Depth Charge Common // 2 Common // 2 Depth Charge Common // 2 Tool Depth Charge Common // 2 Burkink 9 No. Depth Common // 2 Pungtrx / 7 No. Equipment Common // 2 Pungtrx / 7 Depter Preper No. Displace Common // 2 Poz. Mix // 3 Depth Burkink 9 No. Displace Poz. Mix // 3 Depth Displace Common // 2 Poz. Mix // 3 Depth Displace Burkink 9 No. Displace Poz. Mix // 3 Depth Displace Common // 2 Poz. Mix // 3 Depth Displace Displace <td< th=""><th>Cell 785-324-1</th><th>041</th><th>L Sco</th><th>Tum</th><th>Danca</th><th></th><th>County</th><th>State</th><th>On Location</th><th>Finish</th></td<>	Cell 785-324-1	041	L Sco	Tum	Danca		County	State	On Location	Finish		
Lease 22 Facess Use of the second	11 10		Sec.	Twp.	Range	1 1 1 1 A 2 2 1 1	the state of the s					
Lasse 2.2 Farms Well No. 1 Own' Contractor Roya 1 #1 Type Job Plug Contractor Roya 1 #1 Type Job Plug Hole Size TD. Case TD. Case TD. Case TD. Case TD. Case TD. Case Tol. Case Depth Case Tol. Case Depth Case Tol. Case Tol. Case Depth Case Tol. Case Tol. Case Tol. Case Tol. Case Tol. Case Tol. Case Tol. Case Case Case Case Case Case Case Case Case Case Case Common / 6 Z Common	Date 4-13-1	14	11	13	17				n12	1100 [9]1		
Contractor Royal #1 To Quality Olivall Comenting, Inc. Type Job Plug Charge Dreptone Forther and helper to assist owner or contractor to do work as listed. Hole Size T.D. Cag. Depth Size Depth Tool Depth Tool Depth Tool Depth Tool Depth Cament Left in Cso. Shoe Joint Cement Left in Cso. Shoe Joint Common // 6 Z Common // 6 Z Punptrk /7 No Enumenter Poz. Max // 6 S Bulktix P No Driver Rgan Bulktix P No Driver Rgan Bulktix P No Driver Rgan Gel. I/D Driver Travis Calcium JOB SERVICES & REMARKS Hulis Remarks: Salt Rat Hole Flowseal Ø/H Mouse Hole Kol-Saal Centralizers Mcd CLR 4E Baskets CP/H DS x af 3740 Geide Shoe		a de la composición d		Г		Locati	on Hays,	N to teed lot	Kd, 5V, 5n2			
Contractor Koya] #1 You are hereby requested to rent commenting equipment and furnish commenter and helper to assist owner or contractor to do work as listed. Cega. Depth City Care and elper to assist owner or contractor to do work as listed. Cega. Depth City Street City State Cernent Amount Ordered 2/0 s 6/40,4/8 ge 1,4/4 Plow Meas Line Displace Common / 6 Z Pumptrk / No City Commenter Poz. Mix / 0 E Diver Travis Calcium JOB SERVICES & REMARKS Hulls Remarks: Rat Hole Forwseal 6/14 Sand So sa ct 3740 Common / 6 A Common			n na j Prese	<u></u>	Nell No.							
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Hole Size 1.0. 10. OPEN Csg. Depth Street Street Tog. Size Depth City State Tool Depth The above was done to satisfaction and supervision of owner agent or contracto Cement Left in Csg. Shoe Joint Cement Amount Ordered 270 s.g. 69/40, 4/8 g.e.l, 1/4 # Plow Meas Line Displace Common/b Z Pumptrk / 7 No Common Prever Pumptrk / 7 No Common Prever Buiktrk P4 No Driver Buiktrk P4 No Driver Rysin Gel. //D Calcium JOB SERVICES & REMARKS Hulis Remarks: Sait Rat Hole Flowsei 6 714 Mouse Hole Ko-Seal Centralizers Mud CLR 48 Cost af 3740 Handing 20 25 st. af 1490 Meage 00 st. af 730 FLAT EQUIPMENT 40 st. af 3740 Gel Shoe Cost af 730 Catralizer 30 st. Ref Acut Insets 1 st. Acod Aling Pumptrk Charge	Type Job Plug	Type Job Plug							an an an air an 	Work as listed.		
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