

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1192576

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:			SecTwpS. R East _ West				
Address 2:			Feet from North / South Line of Section				
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section		
Contact Person:			Footages Calculated from	Nearest Outside Section C	Corner:		
Phone: ()			□ NE □ NW	V □SE □SW			
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:	W	ell #:		
	e-Entry	Workover	Field Name:				
	_		Producing Formation:				
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:			
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:		
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet		
☐ Cathodic ☐ Other (Co	ore. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No		
If Workover/Re-entry: Old Well I			If yes, show depth set:				
Operator:			If Alternate II completion, c	cement circulated from:			
Well Name:			feet depth to:	w/	sx cmt.		
Original Comp. Date:							
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Plan			
Plug Back	Conv. to G		(Data must be collected from to				
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls		
Dual Completion			Dewatering method used:_				
SWD			Location of fluid disposal if	hauled offsite:			
ENHR	Permit #:						
GSW	Permit #:		Operator Name:				
			Lease Name:				
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East West		
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



Operator Name:			L	ease Name: _			Well #:		
Sec Twp	S. R	East We	est C	County:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		rval tested, time tool erature, fluid recovery,	
Final Radioactivity Lo files must be submitted					ogs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log	
Drill Stem Tests Taker (Attach Additional		Yes [No	L	_	on (Top), Depth an		Sample	
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum	
Cores Taken Electric Log Run		Yes Yes	No No						
List All E. Logs Run:									
		(CASING REC	ORD Ne	ew Used				
		· ·		ıctor, surface, inte	ermediate, producti	1		I	
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	
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used	d Type and Percent Additives				
Perforate Protect Casing	100 20111111								
Plug Back TD Plug Off Zone									
1 lag on 20110									
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski	o questions 2 ar	nd 3)	
Does the volume of the to		•				_ ` ` '	p question 3)		
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ION RECORD - Bri Footage of Each Into				cture, Shot, Cement		d Depth	
	, ,	<u> </u>			,		,	·	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:				
						Yes No			
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bi	ols. G	as-Oil Ratio	Gravity	
DIODOCITI	ON OF CAS:		N 4 - T - 1		TION:		PPODUOTIO	ON INTERVAL.	
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PRODUCTION	ON INTERVAL:	
	bmit ACO-18.)	Other (Si	necify)	(Submit		mit ACO-4)			

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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

	the state of the state of	1			particle and specialists	1000		
Sec	. Twp. Range	1	County	State	On Location	Finish		
Date 2.22.14 34	14 15	1505	501] K 5	V S \ Service months	15.15pm		
The state of the s	Tariffings Bragan are	Locati	ion R/k	3 Plymath A	120 Sur	2		
Lease Pichner	Well No. /		Owner	Marie Commenter (195	edition of the leaf	TOP CAR STEE		
Contractor Royal #1			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish					
Type Job Sui face	A STATE OF THE PARTY OF THE PAR	nd helper to assist ow	ner or contractor to d	o work as listed.				
Hole Size 12/4	T.D. 432		Charge CLM					
Csg. 8 5/8	Depth 43/	" ST PORT	Street					
Tbg. Size	Depth	5 91	City State					
Tool	Depth		The above wa	as done to satisfaction a	nd supervision of owne	agent or contractor.		
Cement Left in Csg. 20	Shoe Joint		Cement Am	ount Ordered 200	10m 3/c	2/652		
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Mouse Hole		201 10 10 10	Kol-Seal		Matalogica Mariosaugh Militar	Nav Sepano Auto		
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Signature Nove R	11 1 2	APP CHIEF	13 12 590		Total Charge	and the second s		

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 ne 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 459

Cell 785-324-1041	Company of the company of the	Description of the second			
Date 2-27-14 Sec.	Twp. Range	County Husball	State H 5	On Location	6,30 pn
		Location Belter	510 1	Minout	h RO
Lease LIChman	Well No.# 4	Owner ///	W 510	to	
Contractor NOYCI	1	To Quality Oil	well Cementing, Inc	cementing equipmen	nt and furnish
Type Job VIDE 706	The letter of the letter	cementer and	helper to assist ow	ner or contractor to	lo work as listed.
Hole Size 77/8	T.D. 3319	Charge To	C1 1	M	No. 2 To Section 1
Csg. SA	Depth 330 8	Street	\mathcal{I}	A STOLEN IN THE	
Tbg. Size	Depth	City	Samuayaya III xi Baasaya	State	
Tool	Depth	The above was	done to satisfaction a	nd supervision of owne	r agent or contractor.
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X Signature				Total Charge	T of U.S.

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	400	P.O. Box 32 Russ	State	No.	469
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Date & O/ // &	-11111	1 3.1t	5+0 0	Winout	hRO
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Lease CICHMAN	Well No.# 4	To Quality Oily	vell Cementing Inc.	10	
Contractor 1040	4	Marie and beautiful	requirested to rent	cementing equipmener or contractor to	nt and furnish do work as listed.
Type Job PIPE Jok	1216	Charge	neiper to assist ow	M	
Hole Size 77/8	T.D. 2017	To To	5//		
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Tbg. Size	Depth	City		State	A 10 5355
Tool	Depth			nd supervision of own	er agent or contractor.
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DIAMOND TESTING, LLC

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

Page 1 of 2 Pages

EICHMAN1DST1 Lease & Well No. Eichman No. 1 Company G L M Company A021 -- Ft Ticket No. Formation Arbuckle Effective Pay 1833 KB Elevation Kansas Russell State 15W **14S** County Range 2-27-14 Sec. Date Andy Carreira **Brad Hutchinson** Diamond Representative Test Approved By_ 3,312 ft $3,258_{ft}$ Total Depth 3,242 ft. to Interval Tested from Formation Test No. 6 3/4 in. 3,258 ft. Size 6 3/4 in. Packer Depth 3,237 ft Size Packer Depth -- ft. Size 6 3/4 in. Packer Depth 3,242 ft Size Packer Depth $3,258_{ff}$ Depth of Selective Zone Set 5,000 psi. 5585 Cap. Recorder Number 3.230 ft Top Recorder Depth (Inside) 5,400 psi 13819 Cap. $3,253_{ff}$ Recorder Number_ Bottom Recorder Depth (Outside) 10,000 psi. 8471 Cap. Recorder Number $3,260 \, \text{ft}$ Below Straddle Recorder Depth -- ft I.D. Drilling Contractor Royal Drilling, Inc. - Rig 1 Drill Collar Length -- in. -- ft I.D. 60 Weight Pipe Length_ Chemical Viscosity_ 3 1/2 in Mud Type_ 3,217 ft I.D. 8.0 Drill Pipe Length ___ CC. 9.2 Water Loss 25 ft Tool Size 3 1/2-IF in Weight_ Test Tool Length 3.000 P.P.M. Anchor Length 16' perf. w/54' tail pipe 4 1/2-FH in. Chlorides Not Run Sterling Serial Number 5/8 in Jars: Make 1 in. Bottom Choke Size Surface Choke Size No Reversed Out Did Well Flow? 4 1/2-XH in. 7 7/8 in. **Tool Joint Size** Main Hole Size Blow: 1st Open: Blow increasing. Off bottom of bucket in 12 mins. Intermittent blow back during shut-in. 2nd Open: Blow increasing. Off bottom of bucket in 13 mins. Weak, 1/2 in. blow back during shut-in. 480 ft. of gas in pipe Recovered 95 ft. of gassy oil = 1.351850 bbls. (Grind out: 15%-gas; 85%-oil) Recovered 50 ft. of oil cut gassy mud = .711500 bbls. (Grind out: 15%-gas; 25%-oil; 60%-mud) Recovered 145 ft. of TOTAL FLUID = 2.063350 bbls. Recovered

ft. of

Below Straddle Psi At End: 1116

Recovered

Maximum Temperature 8:36 A.M. 6:36 A.M. Time Started off Bottom Time Set Packer(s) 1552 P.S.I. Initial Hydrostatic Pressure.....(A)_ ⁷ P.S.I. to (C)_____ (B) Initial Flow Period......Minutes_ 1080 P.S.I. 30 (D) Initial Closed In Period......Minutes 58 P.S.I. 36 P.S.I to (F)_ 30 (E)Final Flow Period......Minutes 1079 P.S.I. 30 Final Closed In Period......Minutes (G) 1542 P.S.I. Final Hydrostatic Pressure.....(H)

DIAMOND TESTING, LLC

TESTER: ANDY CARREIRA CELL # 620-617-7202

General Information

Company Name GLM CO. Contact

TERRY MORRIS Job Number

A021

Well Name

EICHMAN 1 Representative ANDY CARREIRA

Unique Well ID

DST 1 ARBUCKLE 3242-3258 Well Operator SEC 24-14S-15W RUSSELL CNTY, KS Report Date

GLM CO. 2014/02/27

Surface Location

Prepared By

ANDY CARREIRA

Well License Number

GORHAM

Field Well Type

Test Type

Vertical

Test Information

Formation

STRADDLE

DST 1 ARBUCKLE 3242-3258

01 Oil

Well Fluid Type **Test Purpose**

Initial Test

Start Test Date

2014/02/27 Start Test Time

05:02:00

Final Test Date

2014/02/27 Final Test Time

10:27:00

Gauge Name

5585

Test Results

RECOVERY:

480' GIP

95' GO 15%G,85%O

50' OCGM 15%G,25%O,60%M

145' TOTAL FLUID

GRAVITY: 33 @ 60

TOOL SAMPLE: 95%OIL, 5%MUD



