Confidentiality Requested: Yes No

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

1225617

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:				
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? Yes No				
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					
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				
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	Quarter Sec Twp S. 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	1225617
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTOLICTIONS. Chow important tang of formations panetrated Da	tail all aaraa Banart a	Il final conice of drill stome tests giving 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 ar		Sample
Samples Sent to Geolog	jical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-	conductor, surface, inte	ermediate, producti	on, 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 / SQL	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	

	Purpose: Perforate	Top Bottom	Type of Cement	# Sacks Used	Type and Percent 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

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)
No	(If No, fill out Page Three of the

(If No	fill out	Pane	Three	of the	ACO-1)
11 110,	iiii Out	raye	nnee	or the	ACC-I	/

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated							ement Squeeze Record d of Material Used)	Depth
TUBING RECORD: Size: Set At: Packer At:				r At:	Liner F	Run:	No			
Date of First, Resumed	Producti	ion, SWD or ENHI	٦.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
			1							
DISPOSITI	J 🗌 t	Jsed on Lease		Open Hole Other <i>(Specify)</i>	Perf.	OF COMPLE	r Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)	PRODUCTION INTEF	?VAL:
				Guier (Specily)						

Form	ACO1 - Well Completion
Operator	Lotus Operating Company, L.L.C.
Well Name	Achenbach A 1
Doc ID	1225617

All Electric Logs Run

Dual Induction
Neutron Density w/PE
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Lotus Operating Company, L.L.C.
Well Name	Achenbach A 1
Doc ID	1225617

Tops

Name	Тор	Datum
Heebner	3901	-2396
КС	4419	-2914
ВКС	4674	-3169
Miss	4850	-3345
Kind Sh	5243	-3738
Viola	5380	-3875
Simp Sh	5492	-3987
Arb	5666	-4161
LTD	5680	-4175

Form	ACO1 - Well Completion
Operator	Lotus Operating Company, L.L.C.
Well Name	Achenbach A 1
Doc ID	1225617

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	14.75	10.75	32	260	60/40 poz mix		2%g, 3%cc
Production	7.875	5.5	15.5	5410	Class ASC	175	latex



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Lotus Operating Co., LLC Lotus Exploration Co. 100 S. Main, STE 420 Wichita, KS 67202 INVOICE

Invoice Number: 143830 Invoice Date: Jun 11, 2014 Page: 1

RECEIVED

Customer ID	Field Ticket #	Payment Terms	
Lotus	63197	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Medicine Lodge	Jun 11, 2014	7/11/14

Quantity	Item		Description	Unit Price	Amount
1.00	WELL NAME	Achenbach A #1			
580.50	CEMENT MATERIALS	Chloride		1.10	638.55
225.00	CEMENT MATERIALS	60/40/2% Gel		18.43	4,146.75
241.71	CEMENT SERVICE	Cubic Feet Charge		2.48	599.44
253.95	CEMENT SERVICE	Ton Mileage Charge		2.75	698.36
1.00	CEMENT SERVICE	Surface		1,512.25	1,512.25
25.00	CEMENT SERVICE	Light Vehicle Mileage		4.40	110.00
25.00	CEMENT SERVICE	Pump Truck Mileage		7.70	192.50
1.00	CEMENT SUPERVISOR	Jake Heard	ENTERE		
1.00	OPERATOR ASSISTANT	Carl Rackley	JUN 2 4 2014		
1.00	OPERATOR ASSISTANT	Thomas Gibson	JOIN Z + LOIT		
1.00	OPERATOR ASSISTANT	Robert Johnson			
		WEL	L# AchenA		
	ES ARE NET, PAYABLE	Subtotal			7,897.85
	FOLLOWING DATE OF	Sales Tax			342.15
	. 1 1/2% CHARGED	Total Invoice Amoun	t		8,240.00
	TER. IF ACCOUNT IS	Payment/Credit Appl	ied		
	· ·	TOTAL			8,240.00
\$	1,579.57				15795
	<i>PAID ON OR BEFORE</i> Jul 11, 2014				15795

	ALL	IED		AS SER	VICES,	LLC	063197
REMIT TO P.O. B SOUTH		9 FEXAS 760			SER	VICE POINT: <u>Medicin</u>	Lodge Ks
DATE 6-11-14	SEC. Z	TWP. 35-S	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH Z: 15 P
AchenBach		1				COUNTY	STATE
LEASE A	WELL#	ſ		werks with	<u>5 Gyp Hills Re</u>	Kerber_	I KS
OLD ORINEW ICI	rcie one)	<u> </u>	In w.	nto			
CONTRACTOR				OWNER Co	tis Cparas	ting	
HOLE SIZE 143			.265	CEMENT			
CASING SIZE /C			TH 262 46	AMOUNT OF	RDERED <u>Z2S</u>	5× 60:4	0:43%. CC+
TUBING SIZE			<u>PTH</u>	Z <u>7.6e</u> [
DRILL PIPE			PTH				
TOOL PRES. MAX			<u>PTH</u>	-			
MEAS. LINE			DE JOINT 20 '	COMMON POZMIX		@ @_	•
CEMENT LEFT IN	I CSG.	201		GEL		@_ 	
PERFS.			• • • · · · · · · · · · · · · · · · · ·	CHLORIDE		@ <u></u> @	638.55
DISPLACEMENT	Z	3.314 F	esh	ASC		@	
		UIPMENT		225 5x 6	0:40:2	@ 18.43	4146.75
						@	
PUMP TRUCK	CEMEN	TER CAKE	Heard			@	
			ley / TJ Gibso			@	
BULK TRUCK				<u> </u>			
#364	DRIVER	Robert	Johnson			_@	
BULK TRUCK				<u></u>		@ @	
#	DRIVER			- HANDLING			
				MILEAGE			
	RE	MARKS:		20%: 9	57.66	ΤΟΤΔΙ	4785.30
Autorton			ofter meeting	h0%/		IOIA	
			Break Circ w		SERV	ICE	
HOCK UP to	Cint	PTE	st pump spo				
Mistpump			Y	DEPTH OF JO	OB	262'	
			- ,	PUMP TRUC	Ķ CHARGE	151	2,25
-			· · · · · · · · · · · · · · · · · · ·	RXTRATOO		_@ <u>4.40</u>	110.00
<u> </u>				MILEAGE	25	_@ <u>7.70</u>	192,50
				- MANIFOLD		@	CCould
				Handling_2	<u>41.11</u> 753.00	_@ 2.48_	<u> </u>
1	1.	<u> </u>		Drayage	2.3,3:43	2.15	670.36
CHARGE TO:	otos (Operation	J	- 20%:	41.71 2.5.3.95 622 . 51		7117 55
STREET			з <u>г</u>			TOTAI	3112-55
			ZIP				1/27
					PLUG & FLOA	T EQUIPME	NT
				··········		@	· · · · · · · · · · · · · · · · · · ·
To: Allied Oil &	Gas Serv	vices LLC.					
			nenting equipment				
and furnish ceme						@	
			he above work was	5			
			of owner agent or			TOTAI	
		-	nd the "GENERAI				
TERMS AND CO	ONDITIC	ONS" listed	l on the reverse sid		(If Any)		
	1 ~			TOTAL CHAI	rges 7 <i>89</i>	7.85	
	VVI	15-	26	DIECOLINIT	6318-2		
FRINTED NAME	Acra	KAT! D	PAU	DISCOUNT_		≠ IF PA	ID IN 30 DAYS
M	in.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Pour				
SIGNATURE	YALA	NA	<u>s</u>				
/ (



PO Box 93999 Southlake, TX 76092

Voice: (817) 546-7282 Fax: (817) 246-3361

Bill To:

Lotus Operating Co., LLC Lotus Exploration Co. 100 S. Main, STE 420 Wichita, KS 67202

INVOICE

Invoice Number: 143945 Invoice Date: Jun 17, 2014 Page: 1

JUN 3 0 2014

Customer ID	Field Ticket #	Payment	Terms
Lotus	62830	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Medicine Lodge	Jun 17, 2014	7/17/14

Quantity	Item		Description	Unit Price	Amount
1.00	WELLNAME	Ashenbach #1			
175.00	CEMENT MATERIALS	ASC Class A		23.50	4,112.50
875.00	CEMENT MATERIALS	Kol Seal		0.98	857.50
82.25	CEMENT MATERIALS	FL-160		18.25	1,501.06
43.75	CEMENT MATERIALS	Flo Seal		2.97	129.94
50.00	CEMENT MATERIALS	60/40/4% Gel Blend		18.92	946.00
280.80	CEMENT SERVICE	Cubic Feet Charge		2.48	696.38
301.24	CEMENT SERVICE	Ton Mileage Charge		2.75	828.41
1.00	CEMENT SERVICE	Production Casing		3,099.25	3,099.25
25.00	CEMENT SERVICE	Light Vehicle Mileage		4.40	110.00
25.00	CEMENT SERVICE	Pump Truck Mileage		7.70	192.50
1.00	CEMENT SERVICE	Manifold Rental		275.00	275.00
1.00	EQUIPMENT SALES	5-1/2 Rubber Plug		85.00	85.00
1.00	EQUIPMENT SALES	5-1/2 Basket	014 0308	395.00	395.00
5.00	EQUIPMENT SALES	5-1/2 Centralizer	GL#	57.00	285.00
1.00	EQUIPMENT SALES	5-1/2 AFU Insert	DESC. Cloud and	335.00	335.00
1.00	EQUIPMENT SALES	5-1/2 Guide Shoe	the second se	281.00	281.00
1.00	CEMENT SUPERVISOR	Jason Thimesch		(
1.00	CEMENT SUPERVISOR	Ron Gilley			
1.00	OPERATOR ASSISTANT	Robert Johnson	WELL # dear		
		Subtotal			14,129.54

ALL PRICES ARE NET, PAYABLE	Subtotal		14,129.54
30 DAYS FOLLOWING DATE OF	Sales Tax		638.35
INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS	Total Invoice Amount		14,767.89
CURRENT, TAKE DISCOUNT OF	Payment/Credit Appli	ed	
\$ 3,249.80	TOTAL	ENTERED	14,767.89
ONLY IF PAID ON OR BEFORE Jul 17, 2014		JUN 3 0 2014	11,518.09

ALLIED OIL & GAS SERVICES, LLC 062830 Federal Tax I.D. # 20-8651475

REMIT TO P.O. B SOUTH		9 FEXAS 760	92		SE	RVICE POINT: Medicinel	oly KJ
	· · · · · ·			6-16-14	6-16-14	6-17	-74
DATE 6-17-14	SEC.	TWP. ZSJ	RANGE	CALLED OUT	ON LOCATION	Z30AM	JOB FINISH JUSAA
LEASE Achenbach	WELL #	1	LOCATION Handton	erKS, Vest to G	ye Hill Rd. In	COUNTY le Barber	STATE
OLD OR NEW CI	rcle one)		North, West	into	<i>·</i> / <i>·</i> /		
CONTRACTOR	Puke	7			tw Opera	ting	
TYPE OF JOB				CEMENT	•		
HOLE SIZE 72 CASING SIZE 34			тн 5410		DEPED 50	60:40:4%	Gal
TUBING SIZE	<u> </u>		<u>тн о но</u> тн	- 175 sx (14	A A A C +	5# Kober +.	5% FI-1601
DRILL PIPE			лн •тн	14 # Floseal		J- NoDiry 1	5/6/ 10- 7
TOOL			<u>ግዝ</u>				······································
PRES. MAX 160	Ū	MIN	NIMUM	COMMON		@	
MEAS. LINE		SHO	DE JOINT 42	POZMIX		@	
CEMENT LEFT IN	ICSG. 4	tZ'		GEL		@	
PERFS.				CHLORIDE		@	
DISPLACEMENT	131 0	186 Fre	16 H20	ASC Clase	175	Jx @ 23.50	4112.50
		UIPMENT		Kolseal	875=		857.50
	~~~			FL-160	82.25	@ 1825	
DUMPTOLICY		TED T.	n: Thingsch	- Floseel	43.75	@ 2.97	129.93
				- 60:40:4%6	el 503		946.00
	HELPER	Ron G	lley			@	
BULK TRUCK # 364	DDIVED	211	Johnson			@	
BULK TRUCK	DRIVER	Kobert	Johnson				
	DRIVER					@	
	DRIVER	· · · · · · · · · · · · · · · · · · ·		- HANDLING_		@	
	RE	MARKS:		MILEAGE 25 % = 188	36.74	TOTA	7546.99
					SERV		
					n <b>F</b> 41.		
				_ DEPTH OF JO			3099.25
				PUMP TRUCK		10/1/10	- 3099.23
•••••••••••••••••••••••••••••••		m.t		MILEAGE	AUBLV ZS	<u>n: @ 4.40</u>	10.00
<u></u>						<u>ni@ 7.70</u>	275.00
				— MANIFOLD	280.8 cuft	_@ <u></u>	696.38
				Manaling 17 A	2817.024 FF	<u>@ 2.78</u> @ <u>2.75</u>	670.30 GR 43
	·	6. J.				@ <u></u> /J	020.13
CHARGE TO:			<u>ع</u> ـــــ	- 207.= 104	0.31	TOTAI	5201.56
CITY			710				
CITT		IAIE	ZIP	- 5%	PLUG & FLOA	AT EQUIPME	NT
				Rubber Place		1 @	85.00
				Backet		1 @ <u>395.00</u>	
T- A11: - 1 O:1 8- 4	C C			Centralizers	ç	5 @ 57.00	785.00
To: Allied Oil &				AF4 Insert		@	335.00
			nenting equipment	Guide She		   @	281.00
and furnish ceme	nter and	-		A-14 0-	2/ 10	+	
contractor to do u		a listad TI	ne above work was	20% = 27	6.20	TOT - 1	1381.00
			¢				
done to satisfaction	on and su	pervision	•			IOIA	1.00
done to satisfaction contractor. I have	on and su e read an	pervision d understa	nd the "GENERAL	0 4 1 10 17 4 37 /1	(F A mu)	IOIAI	1.081.00
done to satisfaction contractor. I have	on and su e read an	pervision d understa	•	SALES TAX (I	lf Any)		
done to satisfaction contractor. I have	on and su e read an	pervision d understa	nd the "GENERAL	SALES TAX (I	If Any)		
done to satisfaction contractor. I have TERMS AND CC	on and su e read an	upervision d understa DNS" listed	nd the "GENERAL I on the reverse side	e. SALES TAX (I TOTAL CHAR	וf Any) GES/4/,	129.55	
done to satisfaction contractor. I have	on and su e read an	upervision d understa DNS" listed	nd the "GENERAL	<ul> <li>SALES TAX (I TOTAL CHAR</li> <li>DISCOUNT</li> </ul>	if Any) .GES- <u>14</u> , ε+ [Ο,	129.55 IF PA	ID IN 30 DAYS

SIGNATURE

**CELLS WITH BLUE BACKGROUND	ARE THE ONLY CELLS TO BE EDITE	D**
Company Name:	Lotus Operating Company	
Fracture Start Date/Time:	7/17/14 11:49	
Fracture End Date/Time:	7/17/14 13:49	
State:	Kansas	
County:	Barber County	
Legal Description:	2-358-13W	
API Number:	15-007-24180	
Well Name:	Achenbach A #1	
Longitude:	-98.69503	
Latitude:	37.0302778	
Total Clean Fluid Volume* (gal):	383,250	

Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	1.00	383,250	3,198,221
Sand (Proppant)	2.65	282,600	282,600
Plexcide B7	1.33	20	222
Plexcide B7	1.33	20	222
Plexgel Breaker XPA	1.03	58	499
Plexset 730	0.90	130	976
Plexset 730	0.90	130	976
Plexsurf 580 ME	0.95	93	737
Plexsurf 580 ME	0.95	93	737
Plexslick 957	1.11	251	2,325
Claymax	1.09	185	1,683
Plexgel 907L-EB	1.02	380	3,235
Plexgel Breaker 10L	1.10	5	46
			Total Slurry Mass (Lbs)
			2 402 470

Ingredients Section:							Total Slurry Mass (Lbs) 3,492,479	
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00%	3,198,221	91.57452%	
Sand (Proppant)	Uniman	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100.00%	282,600	8.09167%	
Plexcide B7	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	5.00%	11	0.00032%	
Plexcide B7	Chemplex	Biocide	Alkaline Bromide Salts	NA	0.00%	0	0.00000%	
Plexgel Breaker XPA	Chemplex	Slickwater Breaker	Hydrogen Peroxide	7722-84-1	7.00%	35	0.00100%	
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50.00%	488	0.01398%	
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60.00%	586	0.01677%	
Plexsurf 580 ME	Chemplex	Product Stabalizer	Methyl Alcohol	67-56-1	10.00%	74	0.00211%	
Plexsurf 580 ME	Chemplex	Product Stabalizer	2-Butoxyethanol	111-76-2	50.00%	369	0.01056%	
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25.00%	581	0.01664%	
Claymax	Chemplex	Clay Stabilizer	No hazardous ingredient	NA	0.00%	0	0.00000%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Hydrocarbons	68476-34-6	70.00%	2,264	0.06483%	
Plexgel Breaker 10L	Chemplex	Breaker/Gel	No hazardous ingredient	NA	0.00%	0	0.00000%	
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component