Confidentiality Requested: Yes No

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

1248879

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:
□ OG □ GSW □ Temp. Abd.	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 ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: 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	1248879
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional Sho	eets)	Yes No		-	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne				
		Report all strings set-c	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	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							

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

Open Hole

Used on Lease

Vented

Sold

(If vented, Submit ACO-18.)

Vas the hydraulic fractu	ring treatr	ment information s	ubmitted	I to the chemica	al disclosure	e registry?	Yes	No	(If No, fill out Page Three of the	ACO-1)
Shots Per Foot		PERFORATION Specify For		RD - Bridge Plu Each Interval P)e	A		t, Cement Squeeze Record Kind of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packe	r At:	Liner Ru	n:	No	
Date of First, Resumed	I Producti	on, SWD or ENHF	٩.	Producing Me	ethod:	ping	Gas Lift	Other (Expl	ain)	
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wa	ter	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI		AS:			METHOD	OF COMPL	ETION:		PRODUCTION IN	TERVAL:

Dually Comp.

(Submit ACO-5)

Perf.

ſes /es ſes

No

No

Commingled

(Submit ACO-4)

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

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

Form	ACO1 - Well Completion
Operator	Lotus Operating Company, L.L.C.
Well Name	Achenbach 4
Doc ID	1248879

All Electric Logs Run

Dual Induction	
Neutron Density	
Microlog	
Sonic	

**CELIS WITH DI	UE PACKCROUNT	ARE THE ONLY CELLS TO BE EI		Additive	Specific Gravity	Additive Quantity	Mass (lbs)	
CELLS WITH BL	racture Start Date/Time	VARE THE ONLI CELLS TO BE EL		Water	Specific Gravity	Addutive Quantity 369,900	Mass (1bs) 3.086.816	eal
	Fracture End Date/Time	1/20/15 11:49	E E E	Sand (Proppant)	2.65	304,600	304,600	lb
	State	Kansas Barber		Plexcide B7	1.33	20	222	gal
	County	Barber	Chemical Disclosure Registry	Plexslick 957	1.11	224	2,075	gal
	API Number	15-007-24257-0000		Plexgel Breaker XPA	1.03 0.90	56 110	481 826	gal
	Operator Number Well Name	Achenbach #4	anga	Plexset 730 Plexsurf 580 ME	0.90	93	826	gal gal
	Federal Well	Ves	aliya	Plexsurf 580 ME	0.95	93	737	gal
	Longitude	-98.6927735	#INALS PA	Plexgel 907L-EB	1.04	427	3,706	gal
	Latitude	37.0255775	Notwool Size	Plexgel 907L-EB	1.04	427	3,706	gal
	Long/Lat Projection	NAD27	Alianoe	Plexgel 907L-EB Plexgel 907L-EB	1.04	427 427	3,706	gal
Total Cl	ue Vertical Depth (TVD) ean Fluid Volume® (gal):	269.900		Piezgei 90/L-EB	1.04	42/	3,706	gal gal
a trut ca	can rinu voiunie (gai).	0070700						gal
								gal
								gal
								gal gal
								gal gal
							Total Slurry Mass (Lbs)	
Ingredients Section:							3,411,318	
					Maximum Ingredient		Maximum Ingredient	
	C	P		Chemical Abstract Service	Concentration in	Mass per	Concentration in HF	C
Trade Name	Supplier	Purpose	Ingredients	Number (CAS #)	Additive	Component (LBS)	Fluid	Comments
					(% by mass)**		(% by mass)**	
Water	Operator		Water	7732-18-5	100.00%	3,086,816	90.48748%	
Sand (Proppant) Plexcide B7	Uniman Chemplex	Proppant Biocide	Crystalline Silica in the form of Quartz Sodium Hydroxide	14808-60-7 1310-73-2	100.00%	304,600	8.92910% 0.00033%	
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hdrotreated Light Distillate	64742-47-8	0.00%	0	0.00000%	
Plexgel Breaker XPA	Chemplex	Slickwater Breaker	Hydrogen Peroxide	7722-84-1	7.00%	34	0.00000% 0.00099%	
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50.00%	413	0.01211%	
Plexsurf 580 ME	Chemplex	Product Stabalizer	2-Butoxyethanol	111-76-2	60.00%	442	0.01297%	
Plexsurf 580 ME Plexgel 907L-EB	Chemplex Chemplex	Product Stabalizer Gelling Agent	Methyl Alcohol Guar Gum	67-56-1 9000-30-0	10.00% 50.00%	74 1,853	0.00216% 0.05432%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Alcohol Ethoxylates	34398-01-1	1.00%	37	0.00109%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Crystalline Silica	14808-60-7	0.06%	2	0.00007%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Distillates hydrotreated Light	64742-47-8	50.00%	1,853	0.05432%	
								Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component Non-MSDS Component
								Non-MSDS Component
								Non-MSDS Component

*Total Water Volume sources may include fresh water, produced water, and/or recycled water ** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Das Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier by povided. The Occupational Safety and Headh Administration's (OSMA) regardings pover the cirreri for the disclosure of this information. Please note that Federal Law protects "popietary", "trade secure", and "confidential business information" in the MSD's supplier to yet (PH 101) 2000; and Repeated. D



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

Customer IDField Ticket #Payment TermsLotus63065Net 30 DaysJob LocationCamp LocationService DateDue DateKS1-01Medicine LodgeNov 29, 201412/29/14

Quantity	Item	Description	Unit Price	Amount
	WELL NAME	Achenbach #4		
225.00	CEMENT MATERIALS	40122	17.90	4,027.50
423.00	CEMENT MATERIALS	Gel	0.50	211.50
634.00	CEMENT MATERIALS	Chloride	1.10	697.40
243.29	CEMENT SERVICE	Cubic Feet Charge	2.48	603.36
277.59	CEMENT SERVICE	Ton Mileage Charge	2.75	763.37
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 SUPER VISOR	Jason Thimesch ENTERE		
1.00	OPERATOR ASSISTANT	Robert Johnson DEC 0 9 20		
1.00	OPERATOR ASSISTANT	Wayne Rucker DEU 0 9 20	''t	
		DESC. Cementscuf (SS. # 4 WELL # Michen		
ALL PRICE	S ARE NET, PAYABLE	Subtotal		8,117.88
30 DAYS F	OLLOWING DATE OF	Sales Tax		352.95
	. 1 1/2% CHARGED TER. IF ACCOUNT IS	Total Invoice Amount		8,470.83
	, TAKE DISCOUNT OF	Payment/Credit Applied		
		TOTAL		8,470.83
\$	1,623.58		······································	-1.623.58
	PAID ON OR BEFORE Dec 29, 2014			-1,623.58 -1,67.25

RECEIVED

DEC 0 8 2014



Invoice Number: 147354 Invoice Date: Nov 29, 2014 Page: 1

Federal Tax I.D.#: 20-8651475

ALLIED OIL & GAS SERVICES, LLC 063065

EMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	J. # 20-8651475	SERV	ICE POINT: <u>Mediiin</u>	e Lodge KS
		N LOCATION 2.30PM	IOB START 400 PM	JOB FINISH 430 PM
			COUNTY	STATE
EASE Achenbach WELL# 4 LOCATION Harder K DLD OR NEW (Circle one) Zn; East into	s, west to byp	H.IL, NOATL	parper	17
CONTRACTOR Duke 7	OWNER Lot.	. Operat		
TYPE OF JOB Surface	UWINER LOT	J Operat	<i>'</i>	
HOLE SIZE 434 T.D. 270	CEMENT			,
CASING SIZE 10 1/4 DEPTH 25	AMOUNTORDE	RED 2253	ix Class,	A+3% @+
UBING SIZE DEPTH	2% Ge			
DRILL PIPE DEPTH				
COOL DEPTH	4 -		(200	
RES. MAX 250 MINIMUM	соммон <u>А</u> 2	25	,	4027.50
AEAS. LINE SHOE JOINT	POZMIX		@	
EMENT LEFT IN CSG. 2054	GEL	423	@ <u>•50</u>	
ERFS.	CHLORIDE	634 ⁼		697.40
DISPLACEMENT 243 BBL Fred HO	ASC			
EQUIPMENT			@	
-				
UMPTRUCK CEMENTER Jacon Thinesel				
894/302 HELPER Robert Johnin				
BULK TRUCK			@	
381/252 DRIVER Wayne Rucker			@	
BULK TRUCK			@	
DRIVER			@	
DRIVER	HANDLING		@	····
	MILEAGE	_		
REMARKS:	20% 987.28		TOTAI	4936.4
Pid circ cencrot	DEPTH OF JOB	SERVIO	CE /	
	PUMP TRUCK C		1512 35	<u> </u>
	EXTRA FOOTAG	$r_{\rm AROE}$	01/40	110.00
	MILEAGE			192.50
			-	112.50
	MANIFOLD	11/2 79	@	603.35
	Mileage	11.10/26	@ 775	763.38
CHARGE TO: Later Operating				3181.48
STREET STATE ZIP				
	NA PL	UG & FLOAT		
			@	
			_@	
Fo: Allied Oil & Gas Services, LLC.	,		@	
You are hereby requested to rent cementing equipment	·····.		@	
and furnish cementer and helper(s) to assist owner or			_@	
contractor to do work as is listed. The above work was				
lone to satisfaction and supervision of owner agent or			TOTAI	L
contractor. I have read and understand the "GENERAL				· · · · · · · · · · · · · · · · · · ·
rerms and conditions" listed on the reverse side.	SALES TAX (If A	.ny)		
EXIMO AND COMDITIONS IISTED ON THE REVERSE SIDE.	TOTAL CHARGE	5/1	7.88	
/// /	TUTAL CHARGE	5_011	1.00	
RINTED NAME TALES D Ron	DISCOUNT		1F PA	ID IN 30 DAY
	- 1 e. l.	6494	(30	
	NST	Orit		

SIGNATURE Grader D From



- 1 1

RECEIVEN

DEC 1 5 2014

PO Box 93999 Southlake, TX 76092

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

Bill Top

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

Invoice Number: 147478 Invoice Date: Dec 5, 2014 Page: 1

INVOICE

Federal Tax I.D.#: 20-8651475

GL	istomer ID	Field Ticket#	ent Terms	
Lotus			30 Days	
Jo	b Location	Camp Location Service Date	Due	Date
	KS1-02	Medicine Lodge Dec 5, 2014	1/4/	/15
Quantity	Item	Description	Unit Price	Amount
and the second se	WELLNAME	Achenbach #4		
175.00	CEMENT MATERIALS	ASC	23.50	4,112.50
50.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	946.00
875.00	CEMENT MATERIALS	Kol Seal	0.98	857.50
82.00	CEMENT MATERIALS	FL-160	18.90	1,549.80
44.00	CEMENT MATERIALS	Flo Seal	2.97	130.68
280.97	CEMENT SERVICE	Cubic Feet Charge	2.48	696.81
301.37	CEMENT SERVICE	Ton Mileage Charge	2.75	828.77
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 Head Rental	275.00	275.00
1.00	EQUIPMENT SALES	5-1/2 Top Rubber Plug	85.00	85.00
1.00	EQUIPMENT SALES	5-1/2 Guide Shoe	281.00	281.00
1.00	EQUIPMENT SALES	5-1/2 AFU Insert GL# 9308	335.00	335.00
1.00	EQUIPMENT SALES	5-1/2 Basket	395.00	395.00
	EQUIPMENT SALES	5-1/2 AFU Insert 5-1/2 Basket 5-1/2 Centralizer GL# 9 308 DESC. <u>Centralizer</u>	57.00	285.00
1.00		Jake Heard <u>CSa</u> , #Y		
	CEMENT SUPERVISOR	Justin Bower	,	
1.00	OPERATOR ASSISTANT	Wayne Rucker	 	
		WELL # Achen	****	
		Subtotal		14,179.81
30 DAVS	ES ARE NET, PAYABLE FOLLOWING DATE OF	Sales Tax		641.89
	E. 1 1/2% CHARGED	Total Invoice Amount		14,821.70
	TER. IF ACCOUNT IS	Payment/Credit Applied		
CURREN	T, TAKE DISCOUNT OF			14,821.70
\$	24559.77	ENTERED		and the distance of the second
			-	- 2559,7
ONLY IF	PAID ON OR BEFORE	DEC 17 2014		and the first the second s
-948 -94 -94 - -94 - 95 - 95 - 95 - 95 - 95 - 95 - 95 -	Jan 4, 2015			- 2,261. "
P3 certaining	an ann an an an an an an ann an ann an a		l	210

ALLIED OIL & GA	AS SER	VICES.	LLC	064877
Federal Tax) REMIT TO P.O. BOX 93999	l.D.# 20-865147	5	/ICE POINT:	
SOUTHLAKE, TEXAS 76092 SEC. TWP. RANGE	CALLED OUT	ON LOCATION	JOB START 9:00 A	JOB FINISH
		<u>4:15 A</u>	COUNTY	TO:BOA STATE
LEASE Hereiter Hereiter DLD OR (NEW) (Circle one) 1/2 1/2	いっち ひていい しょうきょう ひろん いちょう	to GγρΗ⊡E[(d	<u>130' ber</u>	
CONTRACTOR Duke 7	OWNER 2	stus Operati	ng	
HOLE SIZE 7 1/8 T.D. 5725	CEMENT			andrennen Salander andren
CASING SIZE 51/2 15.5 DEPTH 5/4/.28 TUBING SIZE DEPTH		RDERED <u>SOSX</u> ASC 1 ST# Kols	60:40:4	<u>FI.Gel</u> FI.U.5
DRIEL PIPE DEPTH	+ 4 HF7			
TOOL DEPTH PRES. MAX MINIMUM	4		A She want	
PRES. MAX MINIMUM MEAS, LINE SHOE JOINT 4/2 . 17	COMMON_ POZMIX		_@ @`	
CEMENT LEFT IN CSG. 4/2,17	GEL		@	
PERFS. DISPLACEMENT 121 Frash	CHLORIDE		@	
DISPLACEMENT <u>72) Fresh</u> EQUIPMENT	ASC_ <u>175</u> 60:40:4	Sx 1 Sosx	_@ <u>23.50</u> _@ <u>18</u> .92	4112.50
DXUITIVILA I	Kolscol	875#	_@ <mark>. 91</mark>	857.50
PUMPTRUCK CEMENTER	- <u>Fl·140</u>	<u>82 A</u>	_@ <u>18.90</u>	1549.80
#548/555 HELPER Justin Bower	<u>- Hoseol</u>	<u> </u>	_@ <u>2.97</u> @	/30.68
BULK TRUCK #949/74 DRIVER Wayne Bucker			@	
BULK TRUCK	-		_@	
# DRIVER	- HANDLINC	na narriada (d. 1997) alki (nga sara) i s	_@ @	
	MILEAGE	tion of the property of the		
REMARKS:	m 12	10 m	TOTAL	7596.48
	_ 20N6 =15	The second s		ar ta wa an
		SERVI	CE	
		јов <u>5/41.28</u>	r 1997 - Angeler Galer and State (1997) March (1997) - State (1997) March (1997) - State (1997)	CARACTER STATE
	PUMPTRU	CK CHARGE		3099.25
				
	- MILEAGE - MANIFOLD		_@ <u>7.70</u>	<u>192.50</u> 275.00
	Handling 2	80.97 <i>cv/Ft</i>	@ 2,4 8	696.81
	Dayoge 12	90.97 <i>Cu/Ft</i> .055/301.375	_@ <u>2. 75</u>	828.78
CHARGE TO: Lotus Operating	2006=10	THERE IN A PARTY OF A	TOTAL	<u></u>
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT			
5 1/2		an and an and a second se	FI Polyton	an a
		ber pluz	_@	<u> 85.00</u>
	Keg Gu	ide Shoe	@ @	<u>281.00</u> 335 00
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	Basket	学校教育时间 和15日,1		395.00
and furnish cementer and helper(s) to assist owner or	<u>S Centra</u>		@ <u>\$7.00</u>	285.00
contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or	Ð		TOTAL	. 1381.00
contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side	SALES TAX	an a she ha da an		
Ah		ARGES 14179	.82	<u> </u>
PRINTED NAME	DISCOUNT	-11, 420.05	. IF PA	ID IN 30 DAYS
SIGNATURE & PRODUC	an a			
	- -			

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