

Co	nfiden	tiality	Requested	l:
	Yes	N	lo	

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

1216410

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:	Feet from _ East / _ 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.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:
□ Oil □ WSW □ SWD □ SIOW	Producing Formation:
Gas D&A ENHR SIGW	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? 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 ENHR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Coverning alord Paymeit #	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huld disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec.         TwpS.         R East West
Recompletion Date Recompletion Date	Countv: 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 Approved by: Date:					

1216410

Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flowi	ng and shut-in pressu	rmations penetrated. Eres, whether shut-in preth final chart(s). Attach	essure reached stat	ic level, hydrosta	atic pressures, bot		
		ain Geophysical Data a newer AND an image		ogs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S	iheets)	Yes No			on (Top), Depth ar		Sample
Samples Sent to Geole	ogical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD Ne				
	Size Hole	Report all strings set-o		· ·		# Sacks	Type and Percent
Purpose of String	Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	Used	Type and Percent Additives
1							
		ADDITIONAL	CEMENTING / SQU	JEEZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
	tal base fluid of the hydra	this well? ulic fracturing treatment ex		☐ Yes [ ? ☐ Yes [ ☐ Yes [	No (If No, ski	ip questions 2 ai ip question 3) out Page Three	,
Shots Per Foot		N RECORD - Bridge Plug			cture, Shot, Cement		
	Зреспу го	otage of Each Interval Per	orateu	(A	mount and Kind of Ma	leriai Useuj	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed F	Production, SWD or ENH	R. Producing Meth	nod:	Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bt	ols. Gas	Mcf Wat	er B	ibls. (	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:		METHOD OF COMPLI	ETION:		PRODUCTION	ON INTERVAL:
Vented Sold	Used on Lease	Open Hole	Perf. Dually (Submit		mmingled mit ACO-4)		

Form	ACO1 - Well Completion		
Operator	Lotus Operating Company, L.L.C.		
Well Name	Koppitz 8		
Doc ID	1216410		

## All Electric Logs Run

Sonic	
Micro	
Dual Induction	
Neutron Density w/PE	

Form	ACO1 - Well Completion		
Operator	Lotus Operating Company, L.L.C.		
Well Name	Koppitz 8		
Doc ID	1216410		

## Tops

Name	Тор	Datum
Heebner	3834	-2406
KC	4372	-2944
ВКС	4607	-3179
Cher Sh	4744	-3316
Miss	4790	-3362
Viola	5210	-3782
Shimp Sh	5296	-3868
Arb	5525	-4097
LTD	5570	-4142

Form	ACO1 - Well Completion		
Operator	Lotus Operating Company, L.L.C.		
Well Name	Koppitz 8		
Doc ID	1216410		

### 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	29	270	60/40 poz mix		2%g, 3%cc
Production	8.75	5.5	15.5	5491	Class A ASC	150	Latex



PO Box 93999 Southlake, TX 76092

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

Bill To:

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

# INVOICE

Invoice Number: 142712

Invoice Date: Apr 16, 2014

Page: 1

RECEIVED

APR 9 6 2014

Customer ID	Field Ticket #	Payment Terms		
Lotus	62766	Net 30 Days		
Job Location	Camp Location	Service Date	Due Date	
KS1-01	Medicine Lodge	Apr 16, 2014	5/16/14	

Quantity	Item		Description	Unit Price	Amount
1.00	WELLNAME	Koppitz #8			
150.00	CEMENT MATERIALS	Class A Common		17.90	2,685.00
100.00	CEMENT MATERIALS	Pozmix		9.35	935.00
5.00	CEMENT MATERIALS	Gel		23.40	117.00
8.00	CEMENT MATERIALS	Chloride		64.00	512.00
268.67	CEMENT SERVICE	Cubic Feet Charge		2.48	666.30
225.75	CEMENT SERVICE	Ton Mileage Charge		2.60	586.95
1.00	CEMENT SERVICE	Surface	ENTERED	1,512.75	1,512.75
20.00	CEMENT SERVICE	Light Vehicle Mileage	ENTERED	4.40	88.00
20.00	CEMENT SERVICE	Pump Truck Mileage	APR 3 0 2014	7.70	154.00
1.00	CEMENT SUPERVISOR	Jake Heard	11 0 0 2017		
1.00	EQUIPMENT OPERATOR	Scott Priddy			
		GL#_ DESC 	9208 Camand sails (SG), #8 Kopitz		
					7.057.00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$

1,451.40

ONLY IF PAID ON OR BEFORE

May 11, 2014

TOTAL	7,560.80
Payment/Credit Applied	
Total Invoice Amount	7,560.80
Sales Tax	303.80
Subtotal	7,257.00

 $\frac{-1,451.40}{6,109,40}$ 

## ALLIED OIL & GAS SERVICES, LLC 062766

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999

SERVICE POINT:

Medicine Lodge KS

SOUTHLAKE, TEXAS 76092 ON LOCATION 9100P CALLED OUT JOB START JOB FINISH SEC. TWP. RANGE DATE 4-16-14 7:45 P 10:07P 10:30f LOCATION 281 + Ra Hle Snake Rd OLD OR NEW (Circle one) 145 3/44 OWNER Lotus Operating CONTRACTOR TYPE OF JOB HOLE SIZE 193 **CEMENT** T.D. AMOUNT ORDERED 2805x 60:40 CASING SIZE 103/ DEPTH 272, 09 31.CC +21. Gel **TUBING SIZE DEPTH** DRILL PIPE DEPTH TOOL **DEPTH** 2685.00 @ 17.90 PRES. MAX MINIMUM COMMON SHOE JOINT 25 MEAS. LINE POZMIX 100 @ 935 @23.40 CEMENT LEFT IN CSG. 25 GEL @*64.*00 PERFS. **CHLORIDE** DISPLACEMENT 26 BB( Frash ASC\_ @ @ **EQUIPMENT** @ @ PUMP TRUCK CEMENTER JAKE @ # 892/555 HELPER Scott @ **BULK TRUCK** @ #364 DRIVER 1 @ **BULK TRUCK** (a) DRIVER **HANDLIN** MILEAGE 849.80 TOTAL 4249.00 **REMARKS:** Softer Meo SERVICE DEPTH OF JOB 272.09 PUMP TRUCK CHARGE 15/2 75 Diso + Washup 88.00 EXTRAFOOTAGE LU 20 @ 4.40 pressire m+ Did MILEAGE 20 @ 7.70 MANIFOLD Sunto Halve @ 66630 Handling 268.67 @7.48 mileage 11.28/20/2.60 586-9S CHARGE TO: Lotus ( 601.60 20% TOTAL 3008 60 STREET \_\_ STATE \_\_ ZIP. PLUG & FLOAT EQUIPMENT @ @ @ To: 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 TOTAL \_ done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any) .... TERMS AND CONDITIONS" listed on the reverse side. PRINTED NAME / DISCOUNT IF PAID IN 30 DAYS 5805.60 SIGNATURE



PO Box 93999 Southlake, TX 76092

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

Bill To:

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

# **INVOICE**

Invoice Number: 142853

Invoice Date: Apr 23, 2014

Page: 1

RECEIVED

MAY 0 3 2014

Customer ID	Field Ticket #	Payment 1	erms
Lotus	62379	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Medicine Lodge	Apr 23, 2014	5/23/14

Quantity	Item		Description	Unit Price	Amount
1.00	WELLNAME	Koppitz #8			
30.00	CEMENT MATERIALS	Class A Common		17.90	537.00
20.00	CEMENT MATERIALS	Pozmix		9.35	187.00
2.00	CEMENT MATERIALS	Gel		23.40	46.80
150.00	CEMENT MATERIALS	ASC	<b>GL#</b> 9308	20.90	3,135.00
750.00	CEMENT MATERIALS	Kol Seal		0.98	735.00
70.50	CEMENT MATERIALS	FI-160	DESC. cernent prod	18.90	1,332.45
37.50	CEMENT MATERIALS	Flo Seal	CS #8'	2.97	111.38
254.44	CEMENT SERVICE	Cubic Feet Charge	)	2.48	631.01
213.00	CEMENT SERVICE	Ton Mileage Charge		2.60	553.80
1.00	CEMENT SERVICE	Production Casing	WELL # KOPITZ	3,099.25	3,099.25
20.00	CEMENT SERVICE	Pump Truck Mileage	*	7.70	154.00
1.00	CEMENT SERVICE	Manifold Rental		275.00	275.00
20.00	CEMENT SERVICE	Light Vehicle Mileage		4.40	88.00
1.00	EQUIPMENT SALES	5-1/2 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 Basket	ENTERED	395.00	395.00
5.00	EQUIPMENT SALES	5-1/2 Centralizer		57.00	285.00
1.00	EQUIPMENT SALES	5-1/2 AFU Insert	MAY <b>0</b> 8 2014	335.00	335.00
1.00	CEMENT SUPERVISOR	Jason Thimesch			
1.00	EQUIPMENT OPERATOR	Scott Priddy			
ALL DD101	C ADE NET DAVABLE	Subtotal			12,266.69

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$

2,177.13

ONLY IF PAID ON OR BEFORE
May 18, 2014

TOTAL	12,800.48
Payment/Credit Applied	
Total Invoice Amount	12,800.48
Sales Tax	533.79
Subtotal	12,266.69

\_2177.13

10,623,35

# ALLIED OIL & GAS SERVICES, LLC 062379 Federal Tax I.D. # 20-8651475

REMIT TO P.O. B	OX 93999	1 2537 A O <i>76</i> 7	100010111011	d	SER	VICE POINT: Med Lod	. Ks
SOUTI	HLAKE, T	EXAS /60	192	4/22/14	4/23/14		
DATE 4/23/14	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START 400AA	JOB FINISH S 15 AM
	WELL #	8	LOCATION 281+6		lwest I sout	COUNTY	STATE
CLEASE Koppitz	ircle one)	۵	34 ved, Son				
			7 4 VEGT, 500		1 . 0	-43-4	
CONTRACTOR				OWNER Z	otus Open	aling	
TYPE OF JOB F	-	TI	5570	CEMENT			
CASING SIZE 3			PTH 5491	AMOUNT OR	DERED 50.	5x 60:40:	4% Gel,
TUBING SIZE	<u> </u>		PTH	150x C	lea A ASC+	5# Kolsent + .	5 %FL-160 +
DRILL PIPE		DE	EPTH	4# Flores			
TOOL		DE	PTH	-	class A 30	1.0 1700	627 60
PRES. MAX			NIMUM	_ COMMON_Z	1037 FT 50	<u> </u>	187 00
MEAS. LINE			IOE JOINT 42		20:	火@ <u>4-3-3</u> 火@ <u>23-40</u>	46.80
CEMENT LEFT I	N CSG. ک	(2		GEL		<u>~ @2510</u> @	70.00
PERFS.			/ 11 0	_ CHLORIDE _ ASC /	50 3x	@20.90	3135.00
DISPLACEMEN'					L 750	@ 98	735.00
	EQ	UIPMEN	r	£1-160	70.5=	@ 18.90	1332.45
				Floseal		@ 2.97	
PUMP TRUCK	CEMEN'	TER Ja	in Thomash	- Uncar			
# 892/555		Cott				@	
BULK TRUCK			•				
# 364	DRIVER	Rox (	JM27			@	
BULK TRUCK		,				@	
#	DRIVER	<u> </u>		<ul> <li>HANDLING</li> </ul>		@	
				MILEAGE _			
	Rl	EMARKS	:	1,216.92	= 20%	TOTA	L 6084.62
Run 5	491 5	1/2 CASIL	٠٦	<del></del>	SER	VICE	
Duon ba	11 + Bir	ease cir	κυζατίων				
Plug B	17 + MOI	se u/:	<u>50,5%</u>	DEPTH OF J	OB <u>5491</u>	2007.55	
1 CASING	tung	150 3×	ASC		CK CHARGE		
wask	Runge +	- Lines	01/2 11 - hull -	_ EXTRA FOC _ MILEAGE _	OTAGE	@	154.00
	with	7.50 f	obly mehuster	_ MILEAGE _ _ MANIFOLD		@	275.00
_ OBUMP 1	olug +	FROAT TR		- MANIFULD	20	@ 4.40	88.00
				Mandling	254.44	@2.48	631.61
	11	. 0	.L.	mileage	20/2.60/10.6	Š	553.80
CHARGE TO: _	Lotu	s Upe	eraling	- 960.21 =	. 20 %	тот	AL 4801.06
STREET				_ 900111.5	ac.	1011	1
CITY		STATE	ZIP	_	PLUG & FLO	AT EQUIPM	ENT
				1- Rubbe	rplug	@	<u>85.00</u>
				1-Guide	<u> shoe</u>	@	281.60
To: Allied Oil	& Gas Se	rvices. LI	.C.	1-Baske	<i>F</i>	@	395.00
Vou are herehi	, remieste	d to rent of	rementing equipment	5-centra		_	.335.00 ,335.00
and furnish cer	menter an	d helper(s	s) to assist owner or	1-AFU IN	15ert	@	
contractor to d	o work as	is listed	The above work was	s A	Olscant	_	190/ 00
done to esticfs	ction and	supervisi	on of owner agent or	70	VISCUII	TOT	AL /38/.00
contractor I h	ave read	and under	stand the "GENERA"	L			
TEDME AND	רותאחוד	IONS" lie	sted on the reverse sic		X (If Any) ———		_ ?
I EKMIS KND			\	TOTALCH	ARGES/a	2,266.6	8
	1(1	. '1-	) 				PAID IN 30 DAYS
PRINTED NAM	TE LOOK	71N 1	Trom	DISCOUNT			LWIN IIA 20 NW 12
`	161	$ \mathcal{T} $	<u>)</u>	ΝΣ	+ 10,08	74.55	
SIGNATURE	KAK	1/2 1/6	Drow	<del>_</del>	•		

#### \*\*CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED\*\*

Company Name:	Lotus Operating
Fracture Start Date/Time:	6/27/14 13:13
Fracture End Date/Time:	6/27/14 14:40
State:	Kansas
County:	Barber
Legal Description:	2-35S-12W
API Number:	15-007-24158-0000
Well Name:	Koppitz #8
Longitude:	-98.6012925
Latitude:	37.0301344
Total Clean Fluid Volume* (gal):	388,290

Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	1.00	388,290	3,240,280
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	128	961
Plexset 730	0.90	128	961
Plexsurf 580 ME	0.95	93	737
Plexsurf 580 ME	0.95	93	737
Plexslick 957	1.11	305	2,825
Claymax	1.09	185	1,683
Plexgel 907L-EB	1.02	377	3,209
Plexgel Breaker 10L	1.10	5	46

Ingredients Section:

Total Slurry Mass (Lbs) 3,534,983

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%	3,240,280	91.66325%	
Sand (Proppant)	Uniman	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100.00%	282,600	7.99438%	
Plexcide B7	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	5.00%	11	0.00031%	
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	0.00099%	
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50.00%	481	0.01360%	
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60.00%	577	0.01632%	
Plexsurf 580 ME	Chemplex	Product Stabalizer	Methyl Alcohol	67-56-1	10.00%	74	0.00209%	
Plexsurf 580 ME	Chemplex	Product Stabalizer	2-Butoxyethanol	111-76-2	50.00%	369	0.01043%	
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25.00%	706	0.01998%	
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%	2,246	0.06354%	
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

\*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 Data 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 who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.