

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1154825

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:			Sec	TwpS. R			
Address 2:			Feet	from $\ \square$ North / $\ \square$ South Line of Section			
City: St	ate: Ziŗ	D:+	Feet	from East / West Line of Section			
Contact Person:			Footages Calculated from Ne	arest Outside Section Corner:			
Phone: ()			□ NE □ NW	□ SE □ SW			
CONTRACTOR: License #			GPS Location: Lat:	, Long:			
Name:				. xx.xxxxx) (e.gxxx.xxxxx)			
Wellsite Geologist:			Datum: NAD27 NAD27				
Purchaser:			County:				
Designate Type of Completion:			Lease Name:	Well #:			
New Well Re-	·Fntrv	Workover	Field Name:				
			Producing Formation:				
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground: Kelly Bushing:				
☐ Gas ☐ D&A ☐ OG	☐ ENHR	☐ SIGW ☐ Temp. Abd.	Total Vertical Depth:	Plug Back Total Depth:			
CM (Coal Bed Methane)	G3W	iemp. Abd.	Amount of Surface Pipe Set a	and Cemented at: Feet			
Cathodic Other (Core, Expl., etc.):			Multiple Stage Cementing Co				
If Workover/Re-entry: Old Well Inf				Feet			
Operator:			If Alternate II completion, cement circulated from:				
Well Name:			, ,	w/sx cmt.			
Original Comp. Date:			loot doparto.	U/ U/_			
	_	NHR Conv. to SWD					
Deepening Re-perf. Plug Back	Conv. to GS		Drilling Fluid Management F (Data must be collected from the				
Commingled	Permit #:		Chloride content:	ppm Fluid volume: bbls			
Dual Completion	Permit #:		Dewatering method used:				
SWD	Permit #:		Location of fluid disposal if ha	uled offsite:			
☐ ENHR	Permit #:		On and an Name				
GSW							
				License #:			
Spud Date or Date Rea	iched TD	Completion Date or		TwpS. R			
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:				_ Lease N	lame: _			Well #:			
Sec Twp	S. R	East	West	County:							
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ing and shut-in pressu	ires, whe	ther shut-in pre	ssure reach	ned stati	c level, hydrostat	tic pressures, bott				
Final Radioactivity Log files must be submitte						gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital el	ectronic log	
Drill Stem Tests Taken Yes No (Attach Additional Sheets)					L					Sample	
Samples Sent to Geol	ogical Survey	_ Ye	es No		Nam	е		Тор	Da	tum	
Cores Taken Electric Log Run		Y€									
List All E. Logs Run:											
			CASING		Ne						
				onductor, su	rface, inte	rmediate, producti			T		
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		d Percent itives	
			ADDITIONAL	CEMENTIN	IG / SQL	EEZE RECORD					
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks Used Type and Percent Additives							
Perforate Protect Casing	Jop Zollow										
Plug Back TD Plug Off Zone	Plug Back TD										
1 ag on zono											
Did you perform a hydrau	ılic fracturing treatment o	n this well?	•			Yes	No (If No, ski	o questions 2 ar	nd 3)		
	otal base fluid of the hydra		J	,	0		_ , , ,	p question 3)			
Was the hydraulic fractur	ing treatment information	submitted	to the chemical o	disclosure reç	gistry?	Yes	No (If No, fill	out Page Three	of the ACO-1	<i>)</i>	
Shots Per Foot PERFORATION RECORD - Bridge Plu Specify Footage of Each Interval Pe						Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth				Depth	
Openity i obtage of Lac						,		,			
TUBING RECORD:	Size:	Set At:		Packer At	:	Liner Run:					
							Yes No				
Date of First, Resumed Production, SWD or ENHR. Producing Me Flowing			Producing Meth Flowing	od: Pumping Gas Lift Other (Explain)							
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er Bl	ols. G	as-Oil Ratio		Gravity	
DISDOSITIO	ON OF GAS:			1ETHOD OF	COMPLE	TION		PRODUCTIO	N INTEDVA		
Vented Sold			Open Hole	Perf.	Dually	Comp. Com	nmingled	THODOGHC	ZIA IIA I ELIAN		
(If vented, Sub			Other (Specify)		(Submit)	ACO-5) (Subr	mit ACO-4)				

Anderson County, KS Well: Zastrow 23-HP

Lease Owner: Haas

Town Oilfield Service, Inc. Commenced Spudding: 7/8/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
16	Soil / Clay	161
48	Shale	64
29	Lime	93
13	Shale	106
3	Lime	109
3	Shale & Lime	112
1	Lime	113
46	Shale	159
12	Lime	171
7	Shale	178
37	Lime	215
7	Shale	222
21	Lime	243
4	Shale	247
23	Lime	270
4	Shale	274
3	Lime	277
6	Sandy Shale	283
18	Shale	301
4	Sand	305
5	Sandy Shale	310
15	Shale	325
15	Sandy Shale	340
57	Shale	397
9	Sand	406
4	Sandy Shale	410
. 23	Shale	433
2	Lime	435
6	Shale	441
3	Lime	444
3	Shale	447
11	Lime	458
8	Shale	466
10	Sand	476
4	Sandy Shale	480
8	Shale	488
7	Sand	495
6	Sandy Shale	501
6	Shale	507
2	Coal	509

Anderson County, KS Town Oilfield Service, Inc. Commenced Spudding: Well: Zastrow 23-HP (913) 837-8400 7/8/2013 (913) 837-8400

7/8/2013

Lease Owner: Haas

2	Lime	511
2	Shale	513
7	Lime	520
4	Shale	524
4	Lime	528
6	Shale	534
4	Lime	538
25	Shale	563
10	Lime	573
19	Shale	592
2	Lime	594
10	Shale	604
4	Lime	608
11	Shale	619
5	Sand	624
5	Sandy Shale	629
36	Shale	665
18	Sandy Shale & Sand	683
24	Shale	707
2	Lime	709
6	Shale	715
5	Sand	720
2	Sand	722
18	Core	740
3	Sand	743
2	Broken Sand	745
10	Sandy Shale	755
65	Shale	820-TD



TICKET NUMBER 42143	
LOCATION OHOUS KS	
FOREMAN Case Kenneds	

Ravin 3737

AUTHORIZTION_

	hanute, K\$ 6672 or 800-467-8676		ELD HCKE	CEMEN	IMENT REP IT	ORT	,	,
DATE	CUSTOMER#	WEL	L NAME & NÚM		SECTION	TOWNSHIP	RANGE	COUNTY
7/12/13	3451	Zaste	50 # 23	3 HP	NW 13	20	20	ANI
CUSTOMER /	0 Ded 1.							
MAILING ADDR	<u>as Petroleu</u> Ess	our	·· -	4	TRUCK#	DRIVER	TRUCK#	DRIVER
1155	1 -4	Svite.	3-1-	1	48	Casken		
CITY		STATE	ZO) ZIP CODE	-{	10106	GarMoo	<u> </u>	
۱ ،	. 1				503	MikHa		
Leawago	1 -		(160211 55/p11]	1075	Kei Det		<u> </u>
JOB TYPE CH	7777	oll oill	5°/F"	HOLE DEPTI	18201	CASING SIZE &	WEIGHT 27	G"EVE
CASING DEPTH		DRILL PIPE		_TUBING			OTHER	
SLURRY WEIGH		SLURRY VOL_		WATER gal/s	k	CEMENT LEFT I		
DISPLACEMENT	1	DISPLACEMEN		MIX PSI		RATE 4.56	pm	
REMARKS: Le	ld sately a		gsteblishe	d circula	stion, wi	xalt pune	200 +	+ Premium
sel tolle	week by	Α	resh water		ed & pur		Sts 50/50	Poznix
cement			se reme		syrtace f	eshed pun	,	pumped
3/2" unp	oer plug to	casing		59 666	tresh was	er, prosu	red to 8	00 PSI.
released	piessute, s	hut in	casing.					
								
						-() $+$		
	_					-11-4		
						1-)1		
ACCOUNT	· 		1				<u> </u>	
ACCOUNT CODE	QUANITY o	r UNITS	DE	SCRIPTION of	SERVICES or PRO	ррист	UNIT PRICE	TOTAL
5401	1		PUMP CHARGI	E				1085.00
5406	25	mi	MILEAGE	<i>.</i>				105,00
5402	793'		Chsing +	potage				
5407	Minimu	Μ	ton mil	eage				368,00
5502C	a ho	5	80 Va	c	-	<u> </u>		180.00
						 -		100.
1124	110 3	اح	50/50 Pc	2444	rement			1715 60
11183	385 :	#=	Dear	6.0				1265,00
4402		2	Premiu	11				84.70
710	· · · · · · · · · · · · · · · · · · ·		<u>~ ~ ~ ~</u>	2000 PIC	ÿ			29.50
+								
- +	· .,-							
					· ·		2000	
+	 -				- F	COM		
					i i	V DOM	PIGIOM .	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

7.65%

SALES TAX

ESTIMATED TOTAL

DATE_

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

August 09, 2013

Mark Haas Haas Petroleum, LLC 11551 ASH ST., STE 205 LEAWOOD, KS 66211

Re: ACO1 API 15-003-25827-00-00 Zastrow 23-HP NW/4 Sec.13-20S-20E Anderson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Mark Haas