KOLAR Document ID: 1383365

Confident	tiality Re	equested:
Yes	No	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL	HISTORY -		WELL &	IEASE
VVELL	nisioni ·	DESCRIP	WELL Q	LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / 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.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD □ Gas □ DH □ EOR	Elevation: Ground: Kelly Bushing:
	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 EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner 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 #:	
SWD Permit #: EOR Permit #:	Location of fluid disposal if hauled 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 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 Drill Stem Tests Received						
Geologist Report / Mud Logs Received						
UIC Distribution						
ALT I II III Approved by: Date:						

KOLAR Document ID: 1383365

Operator Nar	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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 Sheets)		Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
·	*		és 🗌 No	Ν	lame	e		Тор	Datum
Samples Sent to Geological Survey Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:			ies No ies No ies No						
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Туре	e of Cement	# Sacks Used			Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes ns? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	IPLE	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)			Bottom	
Shots Per Perforation Perforation Bridge Plug Br Foot Top Bottom Type Br			Bridge Plug Set At		Acid,		ementing Squeeze		
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Black Gold Kansas George, LLC
Well Name	GEORGE 7
Doc ID	1383365

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	22	Portland	4	NA
Production	5.875	2.875	6.5	657	Class A	75	See Ticket



250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

			10000	UNNICAN	LJERVIC						
Customer	Black Gold	d Kansas Geo	orge, LLC		Customer Name:	Chris McGov	/n (REP.)	Ticket No.:		5016	1
Address:	3825 Edwa	ards RD #200			Contractor:	McGown Dril	Date				
City, State, Zip:		Cincinnati,	Ohio 45209		Job type	Longstring	Longstring Well Type: Oil				
Service District:	Madison, I	Ks			Well Details:	Sec	:	Twp		R:	
Well name & No.	George # 7	7			Well Location:	Bronson	County:	Bourbon	State:	ł	Kansas
Equipment #	-	Equipment #	Driver	Equipment #	Driver	TRUCK CALI	ED			AM PM	TIME
230	Kevin					ARRIVED AT				AM PM	4:20
241	Josh					START OPER				AM PM	
26	Jake					FINISH OPER	RATION			AM PM	
						RELEASED				AM PM	4:45
						MILES FROM	STATION TO	O WELL			38
L											
Product/Service					Unit of	0	List	Gross			
Code	Description	iip. One Way			Measure mi	Quantity 38.00	Price/Unit \$3.25	Amount \$123.50			Net Amount \$93.86
<u>c001</u> c004		on Mile Charg	0		ea	1.00	\$300.00	\$123.50			\$93.80 \$228.00
c020	Cement Pu		C		ea	1.00	\$675.00	\$675.00			\$513.00
cp006		Class A Cemer	nt		sack	75.00	\$16.25	\$1,218.75			\$926.25
cp000	Bentonite (lb	141.00	\$0.30	\$42.30			
cp015	Calcium - 0				∞ Ib	212.00	\$1.00	\$212.00			\$161.12
cp038	Rubber Plu				ea	1.00	\$30.00	\$30.00			\$22.80
cp030	Mud Flush				gal	210.00	\$1.00	\$210.00			\$159.60
c002		o. One Way			mi	38.00	\$1.50	\$57.00			\$57.00
TERMS: Cash in advan							Creese	¢ 2969.55	Noti		¢0 400 79
Credit terms of sale for a date of invoice. Past due	e accounts may p	pay interest on the ba	lance past due at tl	he rate of 1 1/2% per		T	Gross:		Net:		\$2,193.78
month or the maximum lesser amount. In the ev						Taxable	\$ -	Tax Rate:			
collection of said account such collection. In the event	nt, Customer her	eby agrees to pay all	fees directly or ind	irectly incurred for		rvice treatments desi on on newly drilled or			Sale Tax:	\$	-
right to revoke any and a	all discounts prev	viously applied in arriv	/ing at net invoice p	rice. Upon		not taxable.	1		Total:	\$	2,193.78
revocation, the full invoid collection. Prices quoted	d are estimates o	only and are good for	30 days from the d	ate of issue. Pricing	Date of	f Service:		10	/9/2017		
loes not include federal	. state. or local ta	axes, or rovalties and	stated price adjust	ments Actual							

collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash. DISCLAIMER NOTICE:

This technical data is presented in good faith, but no warranty is given by and H.S.I assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services.

Authorization below acknowledges receipt and acceptance of all terms and conditions stated above.

Jake Heard

CEMENTING LOG

Company	Black Gold Kansas Geor	ge,LLC Lease 0				ame/No.	George # 7	
Company Type Job		Type & Amt	Material	Class A	2% gel 3% Cc	ame/110.		
Field	Longstring 0	Ticket Num		50161	2% ger 5% CC			
	-			20101				
CASING DATA		-						
Size	2.875		Weig	ht		6.4 Collar		
Casing Depth		0 Bottom	657			1		
Drill Pipe:	Size	Weight	Collar					
Open Hole:	Size	5.875 T.D. (ft)	662 P.B. t	ο (π)				
CAPACITY FA								
Casing	Bbls/Lin. ft.		0.00579 Lin. ft					
Open Holes	Bbls/Lin. ft.		Lin. ft	-				
Drill Pipes	Bbls/Lin. ft.		Lin. ft					
Annulus	Bbls/Lin. ft.		0.0255 Lin. ft					
Porforations	Bbls/Lin. ft. From (ft)	То	Lin. ft					
Perforations		10	Amou	111L				
CEMENT DAT								
Spacer Type	Mudflush	2.						
Amt. 5 BBL	Sks Yield	ft ³ / _{sk} Densit	y (PPG)					
LEAD								
Pump Time (ł	nrs)	Туре			Excess			
Amt.	Sks Yield	ft ³ / _{sk} Densit	y (PPG)					
TAIL								
Pump Time (ł	nrs)	Type A 29	% Gel 3% C.C		Excess		25%	
Amt.	75 Sks Yield	1.41 ft ³ / _{sk} Densit	y (PPG)				14.8	
WATER								
Lead	gals/sk	Tail	6.8	5 gals/sk	Total (Bbls.)		12.23	
Pump Trucks	Used						230	
Bulk Equipme	ent							
							241	
	ent: Manufacturer							
Shoe: Type					Depth			
Float: Type	0				Depth			
Centralizers:	Quantity	Plugs: Top			Bottom			
Stage Collars								
Special Equip				2.0				
Disp. Fluid Ty	pe Freshwater	Amt. (Bbls.)			Weight (PPG)			
Mud Type					Weight (PPG)			

COMPANY REPRESENTATIVE

Chris McGown

Jake Heard CEMENTER

TIME	PRESSU	RES PSI	FLU	JID PUMPED DA	ATA	
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED/ TIME PERIOD	RATE (BBLS MIN.)	REMARKS
						On location saftey meeting
						Spot in and rig up
						Hook up to tubing
4:20 PM	100		5		4	Break circulation
	100		5			Pump Mudflush
	100		4			Pump water
	100		5			Pump dyed water
	180		18.83		4	Mix and pump cement
						Stop
						Wash pump and lines
						Drop plug
	200		4		3	Displace
4:45 PM	1250		4		3	Bump plug
	0					Release pressure
						Shut in well
						Rig down and leave location
						Thanks Jake, Kevin and Josh



Operator:

Black Gold Kansas George, LLC

George #7

Bourbon Co, KS 19-25-22E API # 15-011-24570-00-00

Spud Date:	10/5/2017	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.10'	Longstring:	657.05'
Surface Cement:	4 sx	Longstring Date:	10/9/2017
Longstring:			

Driller's Log

Тор	Bottom	Formation	Comments
0	3	Soil & Rock	
3	10	Clay	
10	28	Lime	
28	30	Blk. Shale	
30	34	Lime	
34	41	Shale	
41	44	Lime	
44	46	Shale	
46	59	Lime	
59	112	Shale	
112	117	Lime	
117	221	Shale	
221	221.5	Lime	
221.5	225	Shale	
225	228	Lime	
228	233	Shale	
233	241	Lime	
241	257	Shale	Limey
257	259	Red Bed	
259	319	Shale	
319	341	Lime	
341	343	Blk. Shale	
343	350	Lime	
350	367	Shale	

George #7					
Bourbon Co., KS					
367	367.5	Lime			
367.5	397	Shale			
397	410	Lime			
410	417	Blk. Shale			
417	422	Lime			
422	532	Shale			
532	533	Lime			
533	570	Shale			
570	573	Grey Sand	No odor		
573	604	Shale			
604	608	Muddy Shale	White		
608	610	Sand	Grey sand		
610	612	Sand	Laminated, sand, fair bleed, good odor		
612	616.5	Sand	Laminated, good bleed, good gas push		
616.5	617.5	Sand	Laminated, slight bleed, good gas push		
617.5	622	Sand	Good bleed, laminated, good gas push		
622	635	Sand	Laminated, grey sand, water sand		
635	645	Sandy Shale			
645	662	Shale			
662		TD			

Top perf. 603 Bottom Perf. 611