KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test						(See Instruc	tions on Rev	erse Side	9)					
	en Flo liverat				Test Date: 12/1/2009				API No. 15 15-199-20373					
Company		rcoc		. ""	12/1/20	03	Lease			133-200104		Well Nun	nber	
Raven Resources, LLC County Location					Section	Finley Section TWP			RNG (E/	W)	#1-21	#1-27 Acres Attributed		
Wallace County NE4 SE/4				27		118		42W						
Field						Reservoir Niobrara				Gas Gathering Connection Closed gathering system (West Kansas Pipeling				
Completion Date 8/2008				•	Plug Back Total Depth 1242.77'				Set at					
Casing Size Weight 4 1/2" 10.5				Internal I	Diameter	Set at 1285.5'		Perforations 1030' - 1057'		То				
Tubing Size Weight 2.3/8" 4.7			Internal I	Diameter	Set at 1020.16'		Perforations		То					
ype Com		n (De			Type Flu	id Productio			Pump Ur No	nit or Traveling	Plunger? Yes	/ No		
		(Anı	nulus / Tubing)	% (% Carbon Dioxide				en	Gas G	Gas Gravity - G		
Tubing														
Vertical D 1300'	epth(F	1)				Pres	sure Taps				(Meter .500	Run) (Pro	over) Size	
Pressure	Buildu	p:	Shut in 12-	1 2	0 09 at 1	0:30 am	(AM) (PM)	Taken_12	2-2	20	09 _{at} 10:30	am (A	.M) (PM)	
Vell on Li	ine:		Started 12-2	2 20	09 at 1	0:30 am	(AM) (PM)	Taken 12	2-3	20	<u>09</u> at <u>10:30</u>	am (A	M) (PM)	
*						OBSERVE	D SURFACE	DATA			Duration of Shu	t-in 24	Hours	
Static /	ynamic Size Prove		Circle one: Pressure Meter Differential		Flowing Well Head Temperature		. Casing Wellhead Pressure			ubing ad Pressure	Duration		Produced	
Property			Prover Pressu psig (Pm)	re in Inches H ₂ 0	t	t	(P _w) or (P _t	or (P _c) psia	(P _w) or psig	(P _t) or (P _c)	(Hours)	(Barrels)		
Shut-In	hut-in .500"		14.5	0			6		6		24	0	0	
Flow	w .500" 15 4				3	3			24	0				
						FLOW STR	REAM ATTRI	BUTES	Т			т		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Gravity Factor F		Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic F Barret	eet/	Flowing Fluid Gravity G _m	
o_)2 =		:	(P) ² =	:	(OPEN FL	• •	ERABILITY)	CALCUL - 14.4) +) ² = 0.20 ³	7	
				Choose formula 1 or 2:	Backpre Backpre			sure Curve			V 0		n Flow	
$(P_c)^{1/2} (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		formula 1. or 2.		Slope = "n" or Assigned		n x LOG		Antilog	Deliverability Equals R x Antilog			
(' c' - ('	d'			livided by: P _c ² - P _w ²	and divide by:	P _c ² - P _w ²		d Slope		L J			flefd)	
												<u> </u>		
Open Flov	w			Mcfd @ 14.6	35 psia		Deliverabil	ty			Mcfd @ 14.65 ps	sia		
The u	ındersi	ignec	d authority, on	behalf of the	Company, s	states that h	e is duly aut	norized to	make th	e above repo	rt and that he h	as knowle	dge of	
e facts st	ated th	herei	n, and that sa	id report is true		araenn	=n		day of		<u></u>	RE	CEIVE	
Witness (if any)					KANSAS	RECEIVED KANSAS CORPORATION COMMISSION				For Company			JUN 0 4 20	
			(•						, 5, 0	- general	11	U T ∠[

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	Ė					See Instruc	tions on Rev	rerse Sid	e)	tana ara		100		
U Op	en Flo	11			Test Date	\•			۸ ا	No. 15		K L		
De De	liverabi	lly			Test Delle	,.			API	170, 13				
Company					Lease Finler							100	Number 27	
County Location				1 U 	Section	والمستعلقين والمتراد والمتعادم والمت	TWP		RNG (E		entreprotective ex	* A THE LOOP DROWNING	Attributed	
Walls	u.	المساعدة		E neguven neverkungskripen komm	27.	water water to find a right	115	والمستوادية والمستوادية	42	W		1 .		
Field					Reservoir	•		Gas		haring Conn	ection			
			and the same and the	a - a regerga rom a d'amphag gro mar can	Nucl									
Completic		8			- T - 1	k Total Dept			Packer 5	et at				
8-4-08 Casing Size Weight			2 %	internal D	227 ` Dameter	Sat a	Antonia som oper. III	Perio	rations	To				
4½″ /0.5			5 **			128	5.5	1030'-1057'						
Tubing Size Weight				Internal Diameter Set at				/030'-1057' Perforations To						
23/8	- 4. 	Circlinates	4. 7 escribe)	Cacagogalani arananyi aranimada ara	1020.16									
					Type Flui	d Production	n ·		Pump U	nit or Traveling	Plunger?	Yes / No)	
COZ	<i>/-</i> /.	200	ulus / Tubing	······································	61.7	arbon Dioxi	lda.		% Nitrog	account of the state of the sta	G	an Pant de		
	- ,	•	wius r roomg	<i>)</i> ,	76 C	AIDON DIOX	ine		AP INITION	SEST.	G	as Gravity	* C3 ₅₁	
3ue Vertical D	epth(H	i)			er estremen ara artiflere com a c	Pres	sure Taps	***************************************			(lvl	leter Run)	(Prover) Size	
				2-/20	. A ()	/A : 24		-	12-2			مانته ناست ديد شاشيد	ramana sanakan di arawa	
ressure	Buildin													
Well on L	ine:		Started <u>/2</u>	-Z 20	0	10:30	(80) (PM)	Taken	12.3	20	<i>9</i> % at	O: 30	_ (AGA (PM)	
				······································		OBSERVE	D SURFACE	E DATA			Duration of	Shut-in	24 HOL	
Static / Orlfice		ce	Girefor pine: Pressure		Flowing	Well Head		Casing Wellhead Pressure		Tubling Welshead Pressure			guid Produced	
Dynamic Size Property (inches			Prover Pressur		Temperature †	Temperature (P _a) or (P ₁)			(P _w) or (P _i) or (P _c)		Outation (Hours)	L L	(Barrels)	
	(111,000		psig (Pm)	Inches H ₂ 0			psig	ព្រះដែ	baig	pssa				
Shut-In	. 50	20	14.5	0		ľ	8		6		24	<u>' </u>	0	
Flow . S		500 15		4			3		_3		24	,	0	
	L				***************************************	FLOW STE	REAM ATTR	BUTES	and in an overnous property of	<u></u>		<u> </u>	····	
			Circle and		T	1	Flowing					Cartholicae Wiley (Co.) The price of	Flowing	
Plate Coefficient (F _b) (F _p) Mold			Meter or	Press Extension	Grav	. ,	Temperature	10 6	rviolion Metered Flor actor R F _{en} (Mold)		w. GOA (Cubic Fee		Fluid	
		Pro	verPressure psià	✓ P _a xh	F	•	Factor F _t ,	ar t			9 '	Barrel)	Gravay G	
MIGRO	·		g-us-				- 51							
					<u>l</u>	ALL ROSE OF COMME	W. W	.			1			
					(OPEN FL	OW) (DELIV	/ERABILITY) CALCU	LATIONS			$(P_a)^2 = 0$	0.207	
(P ₅)*=		;	(P _a) ² =		P.=		% (F	- 14.4)	+ 14.4 =			(P _d) ² =	rajtar	
117 12 1	ים ני	15		Choese formula 1 or 2: 1, P _e - P _e 2	LOG of			ssure Curv	9	ГП			Open Flow	
(P _e) ³ - (P _a) ²		(P _e)2 - (P _m)2		2. P. P.	formula 1, or 2.		Slope = "n"		n x	LOG	Aniilog		Deliverability Equals R x Anti	
(P _c)2- (P _d)²		١.	entertay: P* P	Systyllia fores	P.2. P.8		signed ard Stope		L J			(Mcfd)	
		TAN-MA-POI		, E . P			<u> </u>		1-			-		
					-	**************************************				··· · · · · · · · · · · · · · · · · ·				
					1	\		mote to manualiza		- Annual Control]			
Open Flo	W.			Mold @ 14.	65 psia		Deliverati	älity			Motd @ 14.	65 psia		
			d	h-h-16 -6 th-	C	10.61	ha la distr or	dharinad	to make i	ha nhava ran	art and that	he hae ke	Audodaa Al	
		-		behalf of the							aranı Midi			
he lects s	stated t	herei	in, and that se	id report is true	and correc	t. Executed	d this the	14	day of	May	majorithes and t	Cabon e di Hales C.	, 20 10	
										-	2-12	and the same of th		
2.277 **********		·	Without (II	ariy)						For	Company			
	* - 11:00 pages - 1			under state of the		RECEIVED)	ericanomical pel (**.:	white higher a				\-/ 	
			For Consti	issinn K	ANSAS COR	PORATION (COMMISSION			Che	icked by	RECEI	VEU	
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KCC WICHITA

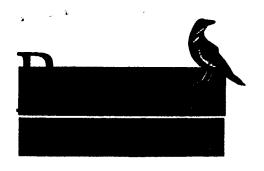
I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Raven Resources, LLC
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Finley 1-27
gas well on the grounds that said well:
(Check one) is a coalbed methane producer
is cycled on plunger lift due to water
is a source of natural gas for injection into an oil reservoir undergoing ER
is on vacuum at the present time; KCC approval Docket No
is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: 5/21/18
RECEIVED KANGAS CORPORATION COMMISSION MAY 2 0 2010 CLASSICAVATION DIVISION WICHITA, KS RECEIVED Signature: Jun 0 4 2010 KCC WICHIT

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.



June 1, 2010

Jim Hemmen Kansas Corporation Commission Conservation Division Finney State Office Building 130 S. Market, Room 2078 Wichita, KS 67202-3802

Re: Raven Resources, LLC

Form G-2 – Finley #1-27

Dear Mr. Hemmen,

Please find enclosed herewith the (Resubmitted) Form G-2 on the Finley #1-27. You previously denied the request for exemption on the Finley #1-27 because the form was not signed. As I indicated by email last week, that was simply an overlooked page.

Mr. Stewart has now signed the Finley #1-27 Form G-2. I submitted the exact same document so you will see the previously "received" file stamps.

Let me know if you need anything else.

Respectfully,

Linda H. McGuire

LHM; idi

Enclosures: Finley 1-27, Form G 2

RECEIVED

JUN 0 4 2010

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