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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes			0		.,	(See Instru	ctions on Re	verse Side	e)					
	pen Flo eliveral				Test Date 12/4/20					No. 15 199-20368 1	0000			
Compan Raven f		ırces	s, LLC				Lease Gebhar	ds				Well Number		
County Location Wallace County NE/4 SE/4			Section 12S TWP				RNG (E/W) 42W			Acres Attributed				
Field					Reservoir Niobrara				Gas Gathering Connection Closed gathering system (West Kansas Pipeline)					
Completi 8/2008	on Da	te			Plug Bac 1187.46	k Total De 6'	pth		Packer S	et at				
Casing S 4 1/2"			Weigh 10.5		Internal Diameter Set at 1229					rations - 901'	То			
Tubing S			Weigh	<u> </u>	Internal Diameter Set at 861.1				Perforations					
Type Cor CO2 Fr	ac					d Producti			Pump Un	it or Traveling		(No)		
Tubing			nulus / Tubing)	% (Carbon Dio:	xide		% Nitrog	en	Gas Gr	avity - G _g		
Vertical I	Depth(I	H)				Pre	ssure Taps				(Meter) .500"	Run) (Prover) Size		
Pressure	Buildu			4 2						20	09 _{at} 9 am	(AM) (PM)		
Well on L	ine:		Started 12-5	2	o <u>09</u> at <u>9</u>	am	_ (AM) (PM)	Taken 12	2-6	20	09 _{at} 9 am	(AM) (PM)		
						OBSERV	ED SURFAC	E DATA			Duration of Shut-	in 24 Hours		
Static / Dynamic Property	Orif Siz (inch	e.	Circle-one Meter Prover Pressu psig (Pm)	Meter Differential Flowing Temperature t Tem		d Pressure	Duration (Hours)	Liquid Produced (Barrels)						
Shut-In	Shut-In .500"		15.8	0			6	6		psia	24	0		
Flow	.500)"	16.5	6	3 3 3 FLOW STREAM ATTRIBUTES			24	0					
Plate			Circle ane:				Flowing	IBUTES	<u> </u>			Florida		
Coefficient (F _b) (F _p) Mcfd		Meter or Exter		Press Extension P _m xh	Gravity Factor F _g		Temperature Factor	erature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m		
<u> </u>														
(P _c) ² =		:	(P _w) ² =_	:	P _d =	OW) (DELI	VERABILITY % (F) CALCUL! 'c - 14.4) +			(P _a)² (P _d)²	= 0.207		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Thoose formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	la 1 or 2: P 2 LOG of formula P 2 1. or 2. and divide P 2 P 2		Backpressure Curve Slope = "n"		n v l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flor	<u> </u>			Mcfd @ 14.0	55 psia		Deliverab	ility		<u>_</u>	Mcfd @ 14.65 psi	a		
The u	ındersi	ignec	authority, on	behalf of the	Company, s	tates that I			make the		t and that he ha			
he facts st	tated th	nerei	n, and that sai	d report is true	and correct	Executed REC SAS CORPO	This the CEIVED RATION COMM		lay of			, 20		
			Witness (if	any)		MAY	2 0 2010			For Co	ompany			
			For Commis	sion	· · · · · · ·		_			Check	red by			

CONSERVATION DIVISION WICHITA. KS

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Ope	en Flov	,				tions on Rev						
Deliverability				Test Date:				API	No. 15			
ompany	nutrateress f	TELEVISION OF STREET				Lease		······································	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O		Well No	
sacron recorded to	a. omene	THE PERSONNEL REPORT OF THE PERSONNEL PROPERTY.	manuscrist consequences according			Sebhar	dr_		Commence on the Commence of th		/-3	
County		Locs	ition	Section		TWP		RNG (E	-		Acres /	Attributed
<i>Yallo</i> Teld	CL.	n i galime esp nami keng	ggiste i skale gje par agaser kigen sa	Reservoi	*	115		421	hering Conn	nation		
, one				Nick	-			Gas Gai	neing Com	3C(10))		
Completio	n Date				k Total Dept	ih		Packer \$	iet at			•
8-6-6	8			118	7.46							
lasing Si			Weight		Internal Diameter		Sel at		rations	To	* =	
41/2	en de	10	<u> </u>	Internal Diameter		1229.53		869		9-901	m.mar	
ADMIR DW		*****	pr. ye.	machine Menticide		Set at		Perfo	rations	To		
2 3/g	niotion	(Describe)	<u> </u>	Time Dui	d Droduction	86/	.18	Duma Ha	il as Tensalius	Plunger? Yes	4678	
COZ			•	iype mu	n Fronticios	•		բա ոք Մ	iii or itaveiing	riunger? res	/ (NO)	
roducina	Thru	Annulus / Tubi	na)	% (arbon Dioxi	de		% Nitrog	en	Ges G	ravity - (
		•	- 					, c rangg	~ ; •	043 G	entrity - v	4 8
ertical D	epth(H)	**************************************			Pres	sure Taps		·····		(Meter	Run) (P	rover) Siz
Not the construction of the	T	***			**************************************						.50	
ressure (Buildup	: Shut in	2-4 2	10 <i>09</i> at	9:00	(AD) (PM)	Taken	12.5	20	09 al 9:0	20	(PM)
rell on Li	ne:	Started	2 ح-ج	0.09 al	9:00	(GA) (PM)	laken	12-6	20	09 at 9:0	0	AN IPM
				A STATE OF A STATE OF						Terresta		/ · · · ·
					OBSERVE	D SURFACE	DATA			Duration of Shut	-in	2 % HO
Static / Orifice		B Circle one		Flowing	Well Head	Casing		Tubing		Champion 6 %		
Dynamic Stze		Prover Pres		in temperature tempera		Wellhead Pressure (P _a) or (P _i) or (P _c)		Wellhead Pressure (P _n) ∞ (P ₁) or (P _n)		Ouration Like (Hours)		d Produce: Barrels)
roperty	(inche	s) psig (Pm	tnches H ₂ 0	t	t	psig	psta	psig	psia			
Shud-In	.50	15.8	0			6		6		24		0
Flow	.50			26.113		3		3		24	†	<u></u>
1				L	FLOW STR	EAM ATTRIE	BUTES	L				
Plate		Glicite one:	Press			Flowing		1				Flowing
Coefficient		Meter or	Extension	Gravity Factor		Temperature		iation ctor	Matered Flow	GOR (Cubic Fr		Fluid
		Prover Pressure psia	Paxh	F		Factor F _a		P*	(Mctd)	Sarrel)		Gravity
		pue				**			~·········			G _r
			<u> </u>				<u> </u>					
		400.50				ERABILITY)					$r^2 = 0.2$	
,)2 =	*****	; (P _a) ³	Ghoose formula 1 or 2	P, =	9	7	• 14.4) +	14.4 =	:	(P _a)) ² =	· 5. g=-, *
(P _c)2 - (P)²	(P _a) ² - {P _a) ²	1, P. 2 - P. 2	LOG at		Backpress Slope			[]			en F¥ow
(P _a) ² - (P			2. P. 2. P. 2	tarenuta 1. or 2.			gned	nxl	.0G	Antilog		iverability R x Antil
(F ₀) (F,	۰′		andores P. 2 - P.	end divide	P.2-P.2	Standar					1 '	Mcfd)

pen Flow Mcfd @ 1		Mcfd @ 14.	65 psia		Deliverabili	Deliverability		Mcfd @ 14.65 psla			******	
		ned authority			lates that h) make th	**** <u>*</u>	rt and that he ha		ledge of
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fects sta	·	Viiness	and the second second second	C		€. '=		2	12	TSE_		

MAY 20 2010

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Raven Resources, LLC
	going pressure information and statements contained on this application form are true and
	it of my knowledge and belief based upon available production summaries and lease records
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Gebhards 1-35
	rounds that said well:
(Checi	k 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
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: 5/8	
MAY	CEIVED ORATION COMMISSION 2 0 2010 Signature:
CONSER	VATION DIVISION Title: ////////////////////////////////////
0.4	

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.