KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:) ن	See Instruc	tions on Rev	verse Side	e) .					
Open Flow					Test Date:				API No. 15					
✓ Deliverabilty						12/4/2009			15-199-20369 (CCC)					
Compan Raven F		ırces	s, LLC				Lease Gebhard	ds ·		·	#2-35	Well Number		
County Location Wallace County NE/4 SW/4				Section 35		TWP				Acres Attributed				
Field					Reservoi Niobrara				Gas Gat Closed	ection system (West Kansas Pipeline)				
Completi 8/2008	on Da	te			Plug Bac 995.90'	k Total Dep	ith .		Packer S	et at				
Casing S 4 1/2"	Casing Size Weight 4 1/2" 10.5				Internal [Diameter	Set at 1038.07'			rations - 825'	То			
Tubing S 2 3/8"	Tubing Size Weight				Internal [Diameter	Set a 811'	Set at Perforations 811'		rations	То			
	Type Completion (Describe) N2 Frac					Type Fluid Production			Pump Ur No	it or Traveling	Plunger? Yes	/ No		
Producin Tubing	g Thru	ı (An	nulus / Tubin	g)	% C	arbon Diox	ide	-	% Nitrog	en	Gas Gr	avity - G _g		
Vertical D	Depth(I	H)			· · · · · · · · · · · · · · · · · · ·	Pres	sure Taps	-			(Meter F .500"	Run) (Prover) Siz		
Pressure	Buildu	ıp:	Shut in 12-	42	09 at 9	30am	(AM) (PM)	Taken_12	2-5	20	09 _{at} 930am	(AM) (PM		
Well on L	.ine:		Started 12-		09 at 9		(AM) (PM)				09 _{at} 9:30 ar			
	······				-	OBSERVE	D SURFACE	DATA			Duration of Shut-	in24Ho		
Static / Dynamic Property	Orif Siz (inch	Meter Different		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Wellhea	ubing ad Pressure $(P_t) \text{ or } (P_c)$ psia	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	t-In .500		14.9	0				рыа	5		24	0		
Flow	.500	15.8 5				2		2		24	0			
						FLOW STF	REAM ATTRI	BUTES			1	· ·		
Plate Coefficeient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Grav Fact F _g	or	Temperature F		ation Metered Flow ftor R (Mcfd)		GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G _m		
			······		(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS					
(P _c) ² =		_:	(P _w) ² =	<u> </u>	P _d =		•	- 14.4) +		:	(P _a) ²	= 0.207		
(P _c) ² - (I		(F	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Slope Assi	sure Curve e = "n" origned rd Slope	n x L	og [Antilog	Open Flow Deliverability Equals R x Antilo (Mcfd)		
		,			1									
Open Flow Mcfd @ 14.65 psia					55 psia		Deliverability				Mcfd @ 14.65 psia			
The u	unders	igned	authority, or	behalf of the	Company s	tates that h	e is dulv aut	horized to	make the	***************************************	t and that he ha			
				id report is true	and correct	. Executed					Tara viat no na			
			Witness (if	any)	- KAI					For Co	ompany	e		
			For Commi	ssion		<u> </u>	20 20 <u>10</u>			- Checl	ked by			

CONSERVATION DIVISION WICHITA, KS

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes					(See Instruc	lions on Revi	erse Side))			
Open Flow Deliverability			Test Date:				API	No. 15				
Company	/						Lease					Well Number 2-35
County Location Wallace			Section	na na nu sub	8 <u>ekhards</u> TWP 1/5		RNG (E/		· ·	Acres Attributed		
Field				Reservoi				With the same and the same and	hering Conne	ection	was to a second	
Completic		te		•	•	k Total Dept	h	v Book Called S	Packer S	iel al	r mer timber elder son	
<i>8-6-08</i> Casing Size			Weigh	I		995.90 ' Internal Diameter		Sel at		rations	To	•
and the second second	41/2" 10.5					/038.07 Set at		Perforations		825'		
	fubing Size Weigi				Internal Diameter			, ,	Perfo	rations	То	
Type Con	npletio	,	escribe)			d Production			Pump Un	it or Traveling	Plunger? Yes	76
NZ Producing	g Thru	(Ans	rulus / Tubing)	% C	arbon Dioxi	de	o transportation of the state o	% Nitrog	en	Gas G	ravity - G _g
Vertical C	enlud	HI			a electrica de analogística.	Progr	sure Taos	·			(Malor	Run) (Prover) Size
VOILICE! E	-cpente					rics	onic taba				(IMBIGE	. 500
Pressure	Builde	ıp:	Shut in/	?-4 ₂	0. <i>02</i> at	9:30	(66) (PM) 1	aken	12-5	20	<i>Q2</i> al _ <i>9:</i> _	30 (M)(PM)
Well on L	ine:	:	Started	<u>2-2-</u> 2	0 22 et	9:30	Ø Ø) (PM) 7	aken	12.6	20	<i>09</i> at <i>9:3</i>	(PM)
			,,,,,			OBSERVE	D SURFACE	DATA			Duration of Shut	-in <u>24</u> Hou
Static / Dynamic Property	ynamic Sizo		Circle one: Mater Prover Prossu psig (Pm)	Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _a) or (P _a) paig paig		Tubing Wellhead Pressure (P _a) \(\text{P}_i \) \(\text{P}_i \) \(\text{P}_i \)		Duration (Hours)	Liquid Produced (Barrels)
Stwit-In	Strut-In . 500		14.9	0			حح	ban	psig	peis	24	0
Flow	٠.5	00	15.8	5			2		2		24	0
			enem			FLOW STR	EAM ATTRIE	UTES				
Plate Coefficcient (F _o) (F _p) Motd			Cincle ann. Maler or ver Pressure pala	Press Extension P _B xh	Grav Fact	or T	Temperature Fa		Alerion Metered Flor actor R F _p , (Mcfd)		GOR (Cubic Fo Barrel)	Granthi.
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P,)	3 = 0.207
P,) =		:	(P _u) ² =	Chaasa famula z ar &	P _d =		ъ (Р <u>.</u>	- 14.4) +	14.4 =	:	(P _a)) ² =
(P _r) ² - (f or (P _r) ² - (f		(F	(₀)9- (P _m)2	1. P.*-P.* 2. P.*-P.*	LOG of termula 1. or 2.		Backpress Slope 	= "T)" 	n x L	og	Antilog	Open Flow Deliverability Equals R x Antilog
, , · · ·	4"			thistopy P _c ² . P _c ²	and divide	P.2 - P.2	Standar			L		(Mold)
Open Flo	N			Mcfd @ 14.6	35 psia		Deliverabili	ly		1	Vlcfd @ 14.65 ps	ia
										•	rt and that he ha	
e facts s	ated t	herei	n, and that sa	ld report is true	and correct	t. Executed	this the	17_	day of	May		, 20 //
		3.4	Wilness Iii	any)		nd Billing; was a green and a species	App and		<i>\Lu</i>	For C	orrpany	re i rese delles i sièmes services dell
			For Commi	sson		RECEI	VED	***********		Charl	ked by	

MAY 20 2010

exempt status under and that the foregoid correct to the best of of equipment installant I hereby request	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Raven Resources, LLC ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Gebhards 2-35
gas well on the grou	nds that said well:
is is √ is I further agree to	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER con vacuum at the present time; KCC approval Docket No cnot capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
RECENTAGE CORPORATION MAY 2 (Signature: AM SMALL Title: Mg Mullulum JN DIVISION

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.