KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side)				
Open Flow				Test Date	Test Date:				No. 15	()(\)			
√ De	liverat	ilty			11/19/1					199-20354	<u>-0000</u>		
Company Raven F		rces	, LLC				Lease Westfield	d			#4-31	Well Number	
			Locati SW/4 S		Section 31		TWP 11S		RNG (E/W) 41W		Acres Attributed		
Field				,	Reservoir Niobrara				Gas Gathering Conr Closed gathering		nection system (West Kansas Pipeline)		
Completie 8/2008	on Dat	ө			Plug Bac 1077'	k Total Dep	th		Packer S	Set at		<u> </u>	
Casing Size 4 1/2"			Weight 10.5		Internal Diameter		Set at 1092'		Perforations 896'		то 930'		
Tubing Size 2 3/8"			Weight 4.7		Internal Diameter		Set at 912'		Perforations		То		
Type Completion (De "Single Gas"			escribe)		Type Fluid Production Only Gas		n	Pump Unit No		nit or Traveling	or Traveling Plunger? Yes (No)		
	g Thru	(An	nulus / Tubing	3)	% Carbon Dioxide				% Nitrogen		Gas Gravity - G		
Tubing Vertical D)anth/l	41				Proc	sure Taps				(Meter F	Run) (Prover) Size	
1100'	zopinti					7 103	заго тара				.500"	(41) (110101) 0120	
Pressure	Buildu	p:	Shut in	19 2	0_11_at_1	2:20 p.m	(AM)(PM)	Taken 11	/20	20	11 at 12:20 p	OM (AM) (M)	
Well on L	.ine:		Started 11/2	20 20	11 at 1	2:20p.m.	(AM) (PM)	Taken 11	/21	20	11 at 12:20p	.m. (AM) (PM)	
			_		_	OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic Property	Orifi Siz (inch	0	Circle one: Meter Prover Pressu	1	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P _w) or (P,	Pressure	Wellhe	Tubing ad Pressure · (P _t) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-in	.500))	psig (Pm) 15.2	Inches H ₂ 0			psig 10	psia	psig 10	psia	24	0	
Flow	.500)	15.6	3			6		6		24	0	
						FLOW STR	REAM ATTRI	BUTES					
Plate Coeffied (F _b) (F Mofd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Grav Fact	tor	Flowing Temperature Factor F _{rt}	Fa	ation ctor	Metered Flow R (Mcfd)	y GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
								<u> </u>					
/D \2 -			(D \2 -		•	• •	'ERABILITY) % (P.	CALCUL. + (14.4		•	(P _a) ⁽ (P _d)	= 0,207	
(P _c) ² =		<u>-</u> :	I	Choose formula 1 or 2	1	$\overline{\Box}$		sure Curve	14:4		(4)		
(P _c) ² - (l or (P _c) ² - (l		(F	P _c) ² - (P ₂) ²	 P₆² - P₈² P₆² - P₆² divided by: P₆² - P₆² 	LOG of formuta 1, or 2, and divide by:	P _c ² - P _w ²	Slope Ass	e = "n" or igned ird Slope	nxl	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				<i>-</i>				<u> </u>			· · · · · · · · ·		
Open Flow Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 psia					
		•	•	aid report is true				thorized to 44h		e above repo		s knowledge of, 20	
			For Comm	ission			_			Chec	ked by	EC-1-6-2011	

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Raven Resources, LLC
	oregoing pressure information and statements contained on this application form are true and
	best of my knowledge and belief based upon available production summaries and lease records
of equipment i	installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the Westfield #4-31
	e grounds that said well:
(Cł	neck 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
ĺ	is not capable of producing at a daily rate in excess of 250 mcf/D
l further a	gree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as neces	sary to corroborate this claim for exemption from testing.
4014410	
Date: 12/14/2	2011
	1 ch
	Signature Land
	Title: _Managing Member

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.

RECEIVED

DEC 1 6 2011