KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				(See Instruc	tions on Rev	erse Side)					
☐ of	pen Flo	w			Tool Date				A (1)	No. 45				
√ D€	eliveral	bilty			Test Date 9/27/20					No. 15 199-20333	-00)OC)	
Compan Raven F		ırces	s, LLC		•		Lease Westfield	- 1				#2-36	Well Nu	mber
County Wallace	Соиг	nty	Locati NE/4 N		Section 36		TWP 11S		RNG (E/ 42W	W)			Acres A	attributed
Field					Reservoi Niobrara					nering Conn gathering s		(West K	ansas	Pipeline)
Completi 7/2008	on Da	te			Plug Bac 1143.49	k Total Depi	th		Packer S	et at				
Casing S 4 1/2"	Size		Weigh 10.5	t	Internal (Diameter	Set at 1195			rations -966' 972'-	-976'	To 982'-9	88'	
Tubing S 2 3/8"	ize		Weigh	t	Internal (Diameter	Set at 930.8			rations		То		
Type Cor N2 Frae			escribe)	<u> </u>	Type Flui Only G	d Production			Pump Un	it or Traveling	Plunge	r? Yes	(No)	
Producin		-	nutus / Tubing	9)		arbon Dioxi	de		% Nitrog	en		Gas Gn	avity - (
Tubing Vertical C	Depth(i	H)				Pres	sure Taps	· · · · · · · · · · · · · · · · · · ·				(Meter F	Run) (Pi	rover) Size
1210'			0.10		44 6						44	.500"		2
Pressure	Buildu	•	Shut in 9/2		0 11 at 9	\	(PM) '					9 am		AM) (PM)
Well on L	.ine:		Started 9/2	2	0 11 at 9		(PM) (PM)	Taken 9/	20	20	at	9 am	<u> </u>	AM) (PM)
			Circle one:	1		OBSERVE	D SURFACE				Duratio	n of Shut-	in 24	Hours
Static / Dynamic Property	Orlf Siz (Inch	20	Meter Prover Pressu psig (Pm)	Pressure Differential In Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P _w) or (P ₁)	ressure	Welihea	ubing ad Pressure (P _t) or (P _a)		ration lours)		d Produced Barrels)
Shut-In	.500)	15.2	0			8	<i>p</i> 3.0	8	paia	24		0	
Flow	.500)	15.6	3			5		5	RECEIVI	24		0	
						FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension Pmxh	Grav Fact F _g	or T	Flowing Femperature Factor F _{f1}	Fa	ctor	CC WYC CC WYC	i	GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m
								<u>L</u>						
(P _e) ² =		•	(P _w)² =		(OPEN FLO	• •	ERABILITY)	CALCUL - 14.4) +				(P _a) ² (P _d) ²	e 0.2	07
(P _e)2- (I	D 12			Choose formula 1 or 2	_		Backpress	sure Curve		Г 7	i	· a/		en Flow
or (P _e) ² - (i	-	, r		2. P _c ² -P _s ²	formula 1. or 2. and divide	P ₀ ² -P _w ²	Assi	e = "n" or gned rd Slope	nxL	og	Аг	ntilog	Equals	verability R x Antilog Mcfd)
<u> </u>	<u></u>				<u> </u>			_				<u> </u>		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @	14.65 psi	a	
				behalf of the				- <i>+</i>	make the	above repo		hat he ha		edge of 20 <u>//</u> .
			Witness (ii	any)			7		. •	For (Company			
	-		For Comm	ission			•			Che	cked by			

I declare under penalty of perjury under the laws of the state of Kansas	•
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Raven Re	
and that the foregoing pressure information and statements contained on the correct to the best of my knowledge and belief based upon available production.	• •
of equipment installation and/or upon type of completion or upon use being ma	
I hereby request a one-year exemption from open flow testing for the Wes	_
as 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 u	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 do	ocuments deemed by Commissio
taff as necessary to corroborate this claim for exemption from testing.	
Pate:	
Pate: _//////	RECEIVED
	NOV 1 / 200
	14 2011
Signature:	RECEIVED NOV 1 4 2011 KCC WICHITA
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.

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:				((See Instruc	tions on Rev	erse Side)			NOV	•	(2)
	pen Flo elivera	_			Test Date 9/27/20					No. 15 199-20333	K	NOV CC W/ #2-36	U4 4	2011
Compan Raven F		ırces	, LLC			-	Lease Westfield	<u> </u>	•	•••		#2-36		saber
County Wallace	Cou	nty	Locati NE/4 N		Section 36		TWP 11S		RNG (E. 42W	(W)	. <u>-</u>		Acres /	Attributed
Field					Reservoi Niobran					hering Conn gathering s		(West K	ansas	Pipeline)
Completi 7/2008	on Da	te			Plug Bac 1143.49	k Total Dep	th		Packer 5	Set at	·			
Casing S 4 1/2"	Size		Weigh 10.5	t	Internal (Diameter	Set at 1195			rations '-966' 972'-	976'	то 982'-9	88'	
Tubing S 2 3/8"	ize		Weigh 4.7	t	Internal I	Diameter	Set at 930.8		Perfo	rations		То	•	
Type Cor N2 Fra		n (D	escribe)	·	Type Flui	d Production	n		Pump Ur No	nit or Traveling	Plunge	r? Yes	/ No	•
Producin Tubing	g Thru	ı (An	nulus / Tubinç)	% C	arbon Dioxi	ide		% Nitrog	en		Gas Gr	avity - (i,
Vertical D	Depth(H)			,	Pres	sure Taps					(Meter F	Run) (P	rover) Size
Pressure	Builde	ib:	Shut in9/20	32	11 at 9	am	(AM) (PM)	Taken_9/	27	20	11 at		· (AM) (PM)
Well on L	ine:		Started 9/27	7 2	0 11 at 9	am	(AM) (PM)	Taken <u>9/</u> 2	28	20	11 at	9 am	(AM) (PM)
			,			OBSERVE	D SURFACE	DATA			Duratio	n of Shut-i	_{in_24}	Hours
Static / Dynamic Property	Orti Si: (Inct	ze	Circle one: Meter Prover Pressu psig (Pm)	Pressure Olfferential In Inches H,0	Flowing Temperature 1	Well Head Temperature t	Casir Wellhead P (P ₊) or (P ₁)	ressure	Wellhe	Publing ad Pressure (P _t) or (P _c)		ration ours)		d Produced Barrels)
Shut-In	.500)	15.2	0			8	рена	8	рыа	24		0	
Flow	.50)	15.6	3			5		5		24		0	
						FLOW STR	REAM ATTRIE	BUTES						,
Plate Coeffied (F _b) (F Moto	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{rt}	Fai	ation ctor	Metered Flov R (Mcfd)	v	GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m
					(0.00)									
(P _c) ² =		_:	(P _w) ² =	:	OPEN FLO		'ERABILITY) % (P _e	- 14.4) +		:		(P _a)² (P _d)²	= 0.2	07
(P _e) ² - (l or (P _e) ² - (l		(F) _o)²- (P _w)²	Choose formula 1 or 2 1. P ₀ ² - P ₂ ² 2. P ₀ ² - P _d ² #Wided by: P ₀ ² - P ₀ ²	LOG of formula 1, or 2. and divide	P. 2. P. 2	Slope 	sure Curve e = "n" of gned d Stope	nxl	.og []	An	tilog	Deli Equals	en Flow verability R x Antilog McId)
			!							:				
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @	14.65 psia	a	
		•	•	behalf of the						e above repo		hat he ha		edge of
			Witness (if	eny)			Δ.		م رپ	For C	Company			· · · · · · · · · · · · · · · · · · ·
			For Commi	ssion						Chec	ked by			

			tate of Kansas that I am authorized to request
		R. 82-3-304 on behalf of the opera	
and that	the foregoing pressure	e information and statements of	contained on this application form are true and
		· ·	ilable production summaries and lease records
			n use being made of the gas well herein named.
l here	by request a one-year	r exemption from open flow testi	ng for the Westfield 2-36
gas well o	on the grounds that sa	id well:	
	(Check one)		
	is a coalbed	methane producer	
	is cycled on	plunger lift due to water	
	is a source o	of natural gas for injection into a	n oil reservoir undergoing ER
	is on vacuun	n at the present time; KCC appro	oval Docket No
	is not capab	le of producing at a daily rate in	excess of 250 mcf/D
		the best of my ability any and a	. Il supporting documents deemed by Commission testing.
Date:	10/25/11	-	RECEIVED NOV 0 4 2011 KCC WICHITA
		4	
		Signature: <u>Alexa</u>	g. Wenles
		Title: / Y	g. punces

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.

TO:14057737488

Form G-2 (Hev 7/03)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	ctions on Re	verse Sida)				
☐ Op	en Flov	V			~				401	No. 45			
De De	liverabl	lty		•	Test Date 1/27//1				API	No. 15			
Company	,		<u>-</u>		14 1/11		Lease					Well Nu	
						u	JesTF:	_ الحاخ			_	2-36	<u> </u>
County			Locati	on	Section		TWP		RNG (E/	W)		Acres A	ttributed
) <u> </u>
Field					Reservoir	7			Gas Gal	hering Conne	ection	′1	ECE,
Completic	n Date				Plug Bac	k Total Der			Packer S	et at		Mai	- 1/8
, , , , , , , , , , , , , , , , , , ,							 -				4		04
Casing Si	ze		Weigh	1	Internal (Diameter	Set a	ıt	Perfo	rations	Tól	Cu	· <01
													ECENE 04 201 CHIZA
Tubing SI	Z O		. Welgh	}	Internal (Diameter	Set s	ıt	Perfo	rations	10	,	
Type Con	noletion	(De	scribe)		Type Flui	d Productio	n .		Pump Ur	it or Traveling	Plunger? Yes	s / No	
1,70 00.	·p·•··•·	(=,	,,,,,,		1,400 1 101	a 1 10000111	217						
Producing	Thru	(Anr	ulus / Tubing)	% (arbon Diox	dde		% Nitrog	en	Gas C	3ravity - (3,
Vertical D	epth(H)		·		Pre	ssure Taps				(Meter	r Run) (Pi	rover) Size
Pressure	Bulldup);	Shut in 9/3	16 2	0 <u>/l</u> at_	1100	(AM) (PM)	Taken	9/27_	20	11 at 5:0	<u>u</u> (AM) (PM)
Well on L	ino.										11 at 9:0		
***************************************			JIG 100				- (/10) (10)	TEXAL!					
						OBSERV	ED SURFACI	E DATA			Duration of Shu	11-in 24	Hours
Static /	Orific	an an	Circle one:	Prossure	Flowing	Well Head	Cas		1	ubing			d Dan dan ad
Dynamic	Size)	Meter Prover Pressu	Differential in	Temperature	Temperatur	Department I	_	1	ed Pressure (P _r) or (P _e)	Quration (Hours)		d Produced Barrels)
Property	(inche	15)	paig (Pm)	Inchos H ₂ 0		1	paig	psic	psig	psta			
Shut-In				0			8		8		24	(0
Flow				 			3		5		24		<u>~</u>
			<u> </u>		L	<u> </u>	!				77	ئـــــــــــــــــــــــــــــــــــــ	<u></u>
						FLOW ST	REAM ATTR	BUTES					I
Plate Coeffieci			Circle one: Mater or	Press Extension	Grav	•	Flowing Temperature		iation	Metered Flov			Flowing Fluid
(F _b) (F	.)	Pro	vor Pressure	√ P_xh	Fac F		Factor		ctor	Pi (Mcfd)	(Cubic 9 Barre		Gravity
Mold	_		peta	- m			F _{ti}		-			<u> </u>	- G _m
					1 .								
					(OPEN FL	OW) (DELI	VERABILITY	CALCUL	ATIONS)² = 0.2	07
(P _e)2 =		:	(P _w) ² =	:	P _d =			, , - 14.4) +		:	(P	a) ² =	
	$\neg \tau$			Choose formula 1 or 2	•	1 1		ssure Curve		г п			en Flow
(P _e)2 - (i	°.)"	(P	(P_)*- (P_)2	1. P.* P.*	LOG of formula		Slor	01		.og	Antilog	Doi:	iverability
(P _a)2- (F)*			2. P.* P.*	1. or 2. and dhrida	P.º. P.º	As	signed					R x Antilog (Mcfd)
			'	evided by: P. P.	by:	<u> </u>	Stand	ard Slope			<u>.</u>		
												↓	
					1								
Open Flor				Mcfd @ 14.	AS nele		Deliverab	ility				sia	
			·-·			 -		-			· · · · · · · · · · · · · · · · · · ·		
The	ındorsi	gnod	authority, or	behalf of the	Company, s	states that	he is duly au	thorized to	o make th	e above repo	rt and that he h	nas know	ledge of
the facts s	lated th	erel	n, and that se	ld report is true	and correc	t. Execute	d this the		day of			, 8	20
			Witness (II	eny)			-			For C	Sompony		
		_											
			For Comm	ssion			_			Chec	ked by		

Form G-2 (Rev. 7/03)

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 Rower 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 LUCITFICIA 3-3L 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 op racuum at the present time; KCC approval Docket No. Is not capable of producing at a daily rate in excess of 250 mcf/D
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rouse 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 Lucal Field 3-3L 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 opvacuum at the present time; KCC approval Docket No.
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 opvacuum at the present time; KCC approval Docket No.
(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 opvacuum at the present time; KCC approval Docket No.
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 opvacuum at the present time; KCC approval Docket No
is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is op vacuum at the present time; KCC approval Docket No.
is a source of natural gas for injection into an oil reservoir undergoing ER is opvacuum 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. **RECENTED** **NOV 0 4 2011 **CC WICHITA**
Date: _9/27 KCC WICHITA
Signature:

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.