## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(	See Instruc	ctions on Rev	erse Side	)					
Op	en Flo	w			Took Date				401	No 45				
✓ Deliverabilty				Test Date: 12/7/2009			API No. 15 15-199-20358 0000							
Company Raven F		ırces	, LLC				Lease Lutters					#3-25	Vell Nu	mber
County Location Wallace County NE/4 NE/4			Section 25		TWP 11S			W)	•	Acres Attributed				
Field	*******				Reservoir					hering Conn gathering s		Vest K	ansas	Pipeline)
Completic 7/2008	on Da	te			Plug Bac 1162.22	k Total Dep	oth		Packer S					
Casing S 4 1/2"	ize		Weigh	nt	Internal [	ternal Diameter Set at 1204.4'			Perforations 997' - 1024'		То			<del></del>
Tubing Si	ize		Weigh	it	Internal [	Internal Diameter				rations		То		
Type Con		on (D			Type Flui	d Production	n		Pump Ur	nit or Traveling	Plunger?	Yes(	No	
Producing		ı (Anı	nulus / Tubin	g)	% C	arbon Diox	kide		% Nitrog	en		Gas Gra	avity - G	, ,
Tubing Vertical D	epth(l	H)				Pres	ssure Taps					•	Run) (Pr	over) Size
1220'	Duilde		Shut in 12-	7	09 9	am	_ (AM) (PM) <sup>*</sup>	12	2-8	20	09 . 9	.500" am		A14) (D14)
Pressure Buildup: Well on Line:		ıp.	Started 12-	8 2				(AM) (PM) Taken 12-				9 am		AM) (PM) AM) (PM)
						OBSERVE	ED SURFACE	DATA			Duration of	of Shut-i	n 24	Hours
Static / Dynamic	Orif Siz	ze	Circle one: Meter Prover Pressi	Pressure Differential in	Flowing Temperature	Well Head Temperature	Casir Wellhead P	ng ressure	Wellhe	ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Durat (Hou	ion	Liquid	I Produced
Property Shut-In	(inct		psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig 5	psia	psig 5	psia	24		0	
Flow	.500		15.9	3			2		2		24		0	
						FLOW ST	REAM ATTRIE	BUTES	l		<u> </u>		<u> </u>	
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	rity	Flowing Temperature Factor F <sub>ft</sub>	Devi	ation ctor	Metered Flow R (Mcfd)	4	GOR Cubic Fee Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =		<u>.</u> :	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>d</sub> =		/ERABILITY)	CALCUL - 14.4) +		:		(P <sub>a</sub> )²	= 0.20	)7
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slope  Assi	sure Curve e = "n" or gned rd Slope	nxl	.og [ ]	Antilo	og	Deli Equals	en Flow verability R x Antilog Mcfd)
Open Flov	W			Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14	1.65 psia	1	
				n behalf of the										-
			Witness (i	any)		MAY	<b>2 0</b> 201 <del>0</del>			For C	Company			<u> </u>
			For Comm	ission		CONSER	VATION LIVI ICHITA, KS	SION		Chec	cked by			

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Open Flow Test Date: API No. 15  Company Lease			
P <sub>2</sub> 1			
	Well Number		
Lutters	3-25		
County Location Section TWP RNG (E/W)	Acres Attributed		
Wallace 25 //S 423V  Told Reservoir Gas Gathering Connection			
Nickrura	the company		
Completion Date Plug Back Total Depth Packer Set at			
7-29-08 //62.22 Set at Perforations To			
4'/z" 10.5 1204.4' 997'- 1025  ubling Size Weight Internal Diameter Set at Perforations To			
	То		
2 1/8 1/7 983 '  ype Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Ye	s //NB		
COZ Frae			
troducing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas	Gravity • G <sub>g</sub>		
Gritical Deptin(H) Pressure Taps (Mote	r Run) (Prover) Siz		
Super Editory	. 500		
ressure Buildup: Shut in 12-7 20-09 at 9:00 (B) (PM) Taken 12-8 20-09 at 9	00 MM (PM)		
/ell on Line: Started 12.8 20.69 at 9:00 (M) (PM) Taken 12-9 20.69 at 9			
OBSERVED SURFACE DATA Duration of Sh	ut-in <u>24</u> Ho		
Static / Orifice Cucto one: Presaure Differential in the property (inches) Property			
psig (Pm) Inches H <sub>1</sub> 0 psig psis psis	0		
Flow .500 /5 0 3 2 2 2 24	0		
FLOW STREAM ATTRIBUTES			
Colores - Colores	Flowara		
Coofficient Meter or Extension Factor Temperature Factor B (Cubic	Feet/ Fluid		
(F <sub>p</sub> ) Prover Pressure ✓ P <sub>m</sub> ×h F <sub>n</sub> Factor F <sub>p</sub> (Mold) Barri	L Carpailta		
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS			
	2)3 = 0.207 2)2 =		
Choose farmata 1 or 2: Backgreessure Curve	Open Flow		
tormula location	Deliverability Equals R x Antil		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> 2. P <sub>c</sub> P <sub>c</sub> P <sub>c</sub> 1. or 2. and direct P <sub>c</sub> P <sub>c</sub> P <sub>c</sub> Assigned Standard Stope	(Mctd)		
pen Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65	Deļa .		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he	has knov/ledge of		
a facts stated therein, and that said report is true and correct. Executed this the	. 20 10		
Out 271st			
Wrinces (if city) For Company			
PECEIVED  For Commission KANSAS CORPORATION COMMISSION  Checked by			

MAY 20 2010

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 theLutters 3-25
gas well on the grounds that said well:
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: 5/16/0
RECEIVED KANSAS CORPORATION COMMISSION  MAY 20 2010  CONSERVATION DIVISION WICHITA, KS  Signature: Mende

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.