# SIP

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

Type Test:	:				(-	See Instruc	tions on Rev	erse Side	)				
Open Flow													
Deliverabilty									No. 15 -20331-000	)			
Compony					10/1/200		Lease					Vell Number	
Company Raven R		ces				Westfield Etal					2-31		
				Section 31		TWP 11	, ,			Acres Attributed			
Field					Reservoir Niobrara					hering Conne idstream	ection		
· · · <b>/</b> · · · · · · · · · · · ·				_	Plug Back Total Depth 1008.36			Packer S	Set at				
Casing Si 4.5	Casing Size Weight 4.5 10.5			Internal E 4.090	iameter		Set at Perforations 1045 844		rations	то 878			
Tubing Si 2.375	Tubing Size Weight 2.375 4.7					Set a <b>837</b>	t	Perforations		То			
Type Com Single C		(Des	cribe)		Type Fluid None	Type Fluid Production None			No	nit or Traveling			
Producing Tubing	Producing Thru (Annulus / Tubing) Tubing				% C 0.903	% Carbon Dioxide 0.903			% Nitrogen 25.985		Gas Gravity - G <sub>9</sub> 0.6849		
Vertical Depth(H) 1050					Pressure Taps Flange					(Meter F 2.067	Run) (Prover) Size		
Pressure	Buildup		9/30 hut in		0 08 at 5		(AM) (PM)				08 at 5:00 PI		
Well on Li	ine:	St	tarted	20	) at	2.00.7	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	ED SURFACE	DATA			Duration of Shut-i	nHours	
Static / Dynamic Property		Circle one: Pressure  Meter Differential  Size Prover Pressure in  psig (Pm) Inches H <sub>2</sub> 0		Flowing Temperature t Well Head Temperature t		Wellhead F			Fubing ad Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In				2			12.7	pola	12.7	Polici	24		
Flow													
						FLOW STI	REAM ATTRI	BUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Temperature Fa		viation Metered Flov actor R F <sub>pv</sub> (Mcfd) R KANSAS COR		GOR (Cubic Fee ECEIVEI) PORATION COMMIS	Flowing Fluid Gravity G_m	
										NOV	6 2008 (Pa)2	SION	
					(OPEN FL	OW) (DELI\	VERABILITY)	CALCUL	ATIONS	Course	9 0 2008 <sub>(Pa)2</sub>	= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =		_:					% (P	<sub>c</sub> - 14.4) +	14.4 =		VATION DIVISION: (P.)2 CHITA, KS	!=	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> )	)² - (P <sub>w</sub> )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.	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop  Ass	ssure Curve e = "n" or signed ard Slope	n x	ΓΠ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
0				Mcfd @ 14.	es poia		Deliverabi	ility			Mcfd @ 14.65 psi	a	
Open Flor													
				behalf of the					o make the day of		rt and that he ha	s knowledge of, 20 <u>08</u> .	
			Witness (if	any)			_			For C	Company		
			For Comm	Ission						Che	cked by		

exempt status und and that the foreg correct to the bes of equipment insta	er 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  going pressure information and statements contained on this application form are true and those of the following the following the statements are true and the statements are true are true and the statements are true are true and the statements are true are true are true are true are true and the statements are true
gas well on the gr	ounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>10/24/2008</u>	
	Signature: Desident

#### 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.

## WESTFIELD 2-31 8-21-07

## 

Sample No: 20074079

#### PRECISION WIRELINE AND TESTING NATURAL GAS ANALYSIS REPORT 620-624-4505

Analysis Date: 09/04/07 Sample Date: 08/21/07 Operator: Raven Resources Well Name: Westfield 2-31 Location: 31-115-41W County: Wallace State: Kansas Sample Pressure:

Sample Temperature:

1745 Time:

Sample Source:

Formation: Niobrara

Bottle No: P-

Requested By: Raven Resources

Sampled By:

#### NATURAL GAS ANALYSIS

Octane Rating

	Mole %	GPM
Helium Hydrogen Oxygen Nitrogen Carbon Dioxide Methane Ethane Propane Iso Butane Normal Butane Iso Pentane Normal Pentane Hexanes Plus	0.044 0.000 1.996 25.985 0.903 70.574 0.479 0.000 0.000 0.000	0.128 0.000 0.000 0.000 0.000 0.000 0.008
TOTALS	100.000	0.136
Z Factor: Specific Gravity:		0.9987 0.6849
BTU/cu.ft. (sat, 60 F. BTU/cu.ft. (dry, 60 F.	14.73 psia): 14.73 psia):	712.3 724.9

1.996 844-78 Oxygen Comments:

92.2

RECEIVED KANSAS CORPORATION COMMISSION

NOV 1 2 2008