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

Static   Orifice Dynamic Size   Property   Orifice Dynamic Size   Property   Orifice (inches)   Property   Property   Orifice plant   Property   Orifice (inches)   Property   Property   Orifice plant   Orifice (inches)   Property   Orifice plant   Orif	Type Test	t:	(127) <			(	(See Instruct	tions on Re	everse Side	<del>)</del> )				
Company Rosewood Resources  Crouch Rosewood Resources  Crouch Rosewood Rosewood Resources  Crouch Rosewood Rose	Test Dat						est Date: API No. 15							
Crounty   Location   Section   TWP   RNG (EW)   Acres Attributed   Section   SWNE   3   78   38W   80   80   80   80   80   80   80						4-26-20	06			18	1-20326-00 -	.oo		
Sherman SWNE 3 75 39W 80  Field Reservoir Gas Gathering Connection Branch Systems Inc.  Complainten Date Plug Back Total Depth 1201  Casing Size Weight Internal Diameter Set at 1007 1037  Tabing Size Weight Internal Diameter Set at 1007 1037  Tabing Size Weight Internal Diameter Set at 1007 1037  Tabing Size Weight Internal Diameter Set at Perforations To none  Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes (No.)  Flooring Trun (Annalus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G, Gannulus (Meter Run) (Prover) Size Flooring Trun (Annalus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G, Gas G			urces						l			1-3	Well N	umber
Scand Completion Date   Page Back Total Depth   Packer Set at   Partorations   To   To   To   To   To   To   To   T	•												Attributed	
8-19-2003		ıd							<u>•</u>					
1037   1037   1037   1037   1037   1037   1038   1037   1038	•			,		-	k Total Dept	th		Packer	Set at			
Tubing Size Weight Internal Diameter Set at Perforations To None Once Type Completion (Describe)  Type Fluid Production Pump Unit or Traveling Plumper? Yes (No)  Producing Thru (Annulus / Tubing)  Annulus  Vertical Depth(H)  Pressure Tape  (Meter Run) (Prover) Size  Flange  2.  Pressure Buildup: Shut in 4-26  20 06 at 12:20  (AM) (PD)  Taken 4-27  20 06 at 5:20  (AM) (PD)  Taken 4-28  20 06 at 1:20  (AM) (PD)  Taken 4-28  20 06 at 1:20  (AM) (PD)  Token Prover Pressure (Meter Run) (Prover) Size  Flowing  Token Prover Pressure (Meter Run) (Prover) Size  OBSERVED SURFACE DATA  Duration of Shut-in 24  House Prover Pressure (Prover)  Flow Prover Pressure (Prover)  Flow Prover Pressure (Prover)  Flow Prover Pressure (Prover)  Flow Run Trilleures  FLOW STREAM ATTRIBUTES  FLOW STREAM ATTRIBUTES  FLOW (Cools former)  Flow Pressure (Prover)  Flow Pressure (Prover)  Flow Pressure (Prover)  Flow (Prover)  Flow Run Trilleures  Flowing  Flowing  Flowing  Casing  Carenty  Flowing  Flow	•	ize		-			Diameter						 7'	
Type Completion (Describle) Single (Vertical) Type Fluid Producing True Producing True (Annalus / Tubing) % Carbon Dixxide % Nitrogen Gas Gravity - G, Annulus % Nitrogen Gas Gravity - G, Meter Run) (Prover) Size 1037 Flange 2' Pressure Buildup: Shut in 4-26 20 06 at 12:20 (AM) (P) Taken 4-27 20 06 at 5:20 (AM) (P) Taken 4-28 20 06 at 12:20 (AM) (P) Taken 4-28 20 (AM) (P) Taken 4	_	ize					Diameter							
Producing Thru (Annulus / Tubing)	Type Com			•				n				Plunger? Ye	s (No	)
Vertical Depth(+)	Producing	Thru (A	<u> </u>	lubing)		<u></u>		de	<del></del>			•		
Pressure Buildup: Shut in 4-26 20 06 at 12:20 (AM) (AM) Taken 4-27 20 06 at 5:20 (AM) (AM) Taken 4-28 20 06 at 5:20 (AM) (AM) Taken 4-28 20 06 at 1:20 (AM) (AM) Taken 4-28 20 06 at 1:20 (AM) (AM) Taken 4-28 20 06 at 1:20 (AM) (AM) (AM) Taken 4-28 20 06 at 1:20 (AM) (AM) (AM) Taken 4-28 20 06 at 1:20 (AM) (AM) (AM) (AM) (AM) (AM) (AM) (AM)	Vertical D							-				(Mete	er Run) (F	rover) Size
Well on Line: Started 4-27 20 06 at 5:20  OBSERVED SURFACE DATA  OUTation of Shut-in 24 House Property (Inches) (Inches) (Inches H,0) (	Pressure	Buildup:	Shut in	4-26	2	06 <sub>at</sub> 1		<del>-</del>	Taken_4-	27	20	06 <sub>at</sub> 5:20		(AM) (PM)
Static / Orifice Original Property (Inches)   Pressure Property (Inches)   Pressure Property (Inches)   Pr	Well on Li	ine:	Started	4-27	2	06 at 5	:20	(AM) (PM)	Taken 4-	28	20			$\widetilde{}$
Static   Office   Prover Pressure   Prover Pre							OBSERVE	D SURFAC	E DATA			Duration of Sh	ut-in_24	Hours
Shut-in   Inches H <sub>2</sub> 0   Inches H <sub>2</sub> 0   Inches H <sub>3</sub>	Dynamic	Static / Orifice   Meter   Differential   Dynamic   Size   Prover Pressure   in		Temperature	emperature Temperature		Wellhead Pressure Wellhe		ead Pressure		, .	1 '		
Flow STREAM ATTRIBUTES  Plate Coefficient (F <sub>b</sub> )(F <sub>p</sub> ) Meler or Prover Pressure paid (P <sub>p</sub> ) <sup>2</sup> = (P <sub>p</sub> ) <sup>2</sup> = (P <sub>p</sub> ) <sup>2</sup> - (P <sub>p</sub> ) <sup>2</sup> (P <sub>p</sub> ) <sup>2</sup> - (P <sub>p</sub> ) <sup>2</sup> (P <sub>p</sub> ) <sup>2</sup> - (P <sub>p</sub> ) <sup>2</sup> (P <sub>p</sub> ) <sup>2</sup> - (P <sub>p</sub> ) <sup>2</sup> (P <sub>p</sub> ) <sup>2</sup> - P <sub>p</sub> - P <sub></sub>			psig	(Pm)	Inches H <sub>2</sub> 0				·····		psia			
Plate Coefficient (F <sub>0</sub> )(F <sub>0</sub> ) Meter or Prover Pressure paia (P <sub>0</sub> ) = (P <sub>0</sub> ) <sup>2</sup> = (P <sub>0</sub> ) <sup>2</sup> - (P <sub>0</sub> ) <sup>2</sup> (P <sub>0</sub> )	Flow							5				24	0	
Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Modd Prover Pressure pia (P <sub>p</sub> ) <sup>2</sup> = (P <sub></sub>							FLOW STR	EAM ATTR	IBUTES	1				
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_o)^2 =                                   $	Coeffieci (F <sub>b</sub> ) (F <sub>p</sub>	ient	Meter or rover Press	rure	Extension	Fac	tor T	remperature Factor	Fa	ctor	R	(Cubic	Feet/	Fluid Gravity
(P <sub>c</sub> ) <sup>2</sup> = : (P <sub>w</sub> ) <sup>2</sup> = : P <sub>d</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = : (P <sub>d</sub> ) <sup>2</sup> = Choose formula 1 or 2:											11			
Chocked formula 1 or 2:  1. P <sub>o</sub> <sup>2</sup> - P <sub>o</sub> <sup>2</sup> or (P <sub>o</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> 2. P <sub>o</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>o</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> Deliverability  Open Flow  Mcfd ② 14.65 psia  Deliverability  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the  Open Flow  Mcfd ③ 14.65 psia  Deliverability  Mcfd ③ 14.65 psia  Deliverability  Mcfd ③ 14.65 psia  Deliverability  Mcfd ③ 14.65 psia	(P )2 =		(P	) }2	-	-			-					
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 27 day of July 20 06  Witness (if any)  For Company  Checked by	(P <sub>o</sub> )²- (F	P <sub>a</sub> ) <sup>2</sup>		Cho 2	1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpre Slo 	essure Curve pe = "n" - or signed	n v	LOG		O De	pen Flow liverability s R x Antilog
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 27 day of July  Witness (if any)  For Company  Checked by														
the facts stated therein, and that said report is true and correct. Executed this the day of July  Witness (if any)  For Company  Checked by	Open Flov	N			Mcfd @ 14.	65 psia		Deliverab	oility			Mcfd @ 14.65 p	osia	
For Commission RECEIVED		-	ein, and th	hat said	report is true			•			uly n U		has know	rledge of 20 06
			For	Commission	on		R	ECEI	/ED	, ,	Chec	sked by		

JUL 2 8 2006 KCC WICHITA

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and th	at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records
of equi	oment installation and/or upon type of completion or upon use being made of the gas well herein named.  Breby request a one-year exemption from open flow testing for the Crouch 1-3
	Il 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 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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as	necessary to corroborate this claim for exemption from testing.
Date:	7/27/2006
	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.

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Well Name: Crouch 1-3

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Pumper:  $\frac{306}{}$ 

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	:						SPM	
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4	16		12			3		
5	16		1/2		4	3	·	
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Well Name:

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Pumper: Month 4/06

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