KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

i

Open Flow Deliverability Company Rosewood Resc County Sherman Field Goodland Completion Date 9/13/2006 Casing Size 4 1/2" Tubing Size NONE	burces, Inc. Location SWNE/)	Lease C. Ihri	. <u>-</u> - ·	API 181	No. 15 -20461-01-0		Well Number	
Rosewood Resi County Sherman Field Goodland Completion Date 9/13/2006 Casing Size 4 1/2" Tubing Size	Location SWNE/		21 Reservoir		C. Ihri	a				Well Number	
Sherman Field Goodland Completion Date 9/13/2006 Casing Size 4 1/2" Tubing Size	SWNE/	. —	21 Reservoir		TWP	9			32-21		
Goodland Completion Date 9/13/2006 Casing Size 4 1/2" Tubing Size					7 S	• •				Acres Attributed 80	
9/13/2006 Casing Size 4 1/2" Tubing Size			Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.					
4 1/2" Tubing Size		Plug Back Total Depth 3264'			th	Packer Set at				<u></u>	
	10.5#	Internal Diameter 4.000				Set at Perforations 3264' 3179'			то 3194'	•	
	Weight	•	Internal Diameter			t at Perforations			То	_	
Type Completion Single (Horizo					n	Pump Unit or Traveling Plunger? Yes No Flowing					
Producing Thru (A	ucing Thru (Annulus / Tubing) % Carbon Dioxi				de	de % Nitrogen				Gas Gravity - G	
Vertical Depth(H) 3292'					sure Taps				(Meter Run) (Prover) Size		
	Pressure Buildup: Shut in 2-3 20 10 at 1:10				(AM (PM) Taken 2-4			20	10 at 1:25	(AM) (PM)	
Well on Line:	Started 2-4	20	10 at 1	25	(AM)(PM	Taken <u>2</u>	-5	20	10 at 2:10	(AM) (PM)	
				OBŞERVE	D SURFAC	E DATA			Duration of Shut	in 72 Hours	
Dynamic Size	namic Size Prover Pressure in Temperature		Well Head ture t t Casing Wellhead Pressure (P_w) or (P_1) or (P_0) psig psia			Tubing Wellhead Pressure (P_w) or (P_i) or (P_o) psig psia Tubing Duration (Hours)			Liquid Produced (Barrels)		
Shut-In					34	48.4	pong	ponz			
Flow					22	36.4			72	0	
				FLOW STE	REAM ATTI	RIBUTES	i				
Coefficient Meter or Exte		Press Extension Pmxh	Gravity Te Factor F _g		Flowing Temperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow GOI R (Cubic (Mcfd) Barre		Gravitu	
								28			
(P _c) ² =	: (P _w) ² =	:	(OPEN FLO	OW) (DELIV		Y) CALCUI (P _c - 14.4) +		:	(P _a)	2 ² = 0.207	
$ \begin{array}{c cccc} (P_c)^2 \cdot (P_a)^2 & (P_c)^2 \cdot (P_w)^2 & Choose formula 1 o \\ & 1. & P_c^2 \cdot P_a^2 \\ & & & \\ (P_c)^2 \cdot (P_d)^2 & & & \\ & &$		 P_c² - P_d² P_c² - P_d² 	LOG of formula 1, or 2, and divide p 2_ p 2		Backpressure Curve Slope = "n"		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)	
Open Flow		Mcfd @ 14.	65 psia		Delivera	bility			Mold @ 14.65 ps	ia	
The undersig	ned authority, on	behalf of the	Company, s		ne is duly a	uthorized t	_		 	as knowledge of	
the facts stated the	erein, and that said	l report is true	and correc	t. Executed	I this the _1	16	day of	o W I	(R 1 1	20 10	
_	Witness (if a	ny)					/ V	For	Ompany (CN)	AS CORPORATION C	

	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 the correct of equi	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 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 C. Ihrig 32-21H
gas we	(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 rther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: _	12/16/10
	Signature: <u>Janul Gelve</u>

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

JAN 26 2011

W2270 C. Ihrig 32-21H North Goodland Goodland None February-10

	Casing		•	Н	RS	REMARKS	
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)	
2/1/2010	1.	3 2	6	24	0	cd	
2/2/2010	23	3	6	0	22		
2/3/2010	20	5 39	9	0	24		
2/4/2010	28	3 4	1	0	24		
2/5/2010	22	2 3:	5	32	0		
2/6/2010	16	5 25	9	32	1.5		
2/7/2010	1:	5 2	8	29	1		
2/8/2010	14	2	7	28	0		
2/9/2010	1′	7 30	0	15	18		
2/10/2010	2	3	4	2	24		
2/11/2010	28	3 4	1	0	24		
2/12/2010	2:	3	8	5	15		
2/13/2010	34	4	7	0	24		
2/14/2010	28	3 4	1	9	12		
2/15/2010	20	3	9	7	18		
2/16/2010	2	7 4	0	17	8		
2/17/2010	2:	3	8	25	8		
2/18/2010	2	. 34	4	29	8		
2/19/2010	20) 3	3	27	6		
2/20/2010	13	3	1	28	5		
2/21/2010	10	5 2	9	32	0		
2/22/2010	14	2	7	30	0		
2/23/2010	1.	3 2	6	29	1		
2/24/2010	13	3 2	6	28	0		
2/25/2010	13	3 20	6	26	1.5		
2/26/2010	1:	5 2	8	21	5.5		
2/27/2010	1;	3 2	6	29	1		
2/28/2010	13	3 2	6	28	0		
3/1/2010	() (0	0	0		
3/2/2010	(0	0	0		
3/3/2010	()	0	0	0		

Total 532

RECEIVED KANSAS CORPORATION COMMISSION

JAN 26 2011

W2270 C. Ihrig 32-21H North Goodland Goodland None March-10

	Casing			HRS	REMARKS	
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)	
3/1/2010	1:	2 2	5	28	0 bp	
3/2/2010	1:	2 2	5	28	0	
3/3/2010	1:	2 2	5	27	0	
3/4/2010	1:	2 2	5	24	0	
3/5/2010	1-	4 2	7	19	0 cal	
3/6/2010	1	1 2	4	24	0	
3/7/2010	1	1 2	4	28	0	
3/8/2010	1) 2	3	28	0	
3/9/2010	1	2	3	27	0	
3/10/2010	1	2	3	27	0	
3/11/2010	10	2.	3	26	0 bp	
3/12/2010	1	2	3	26	0	
3/13/2010	1) 2	3	26	0	
3/14/2010	1	1 2	4	24	0	
3/15/2010	1	2	3	27	0	
3/16/2010	1	2	3	26	0	
3/17/2010	1	2	3	26	0	
3/18/2010	1) 2	3	26	0 bp	
3/19/2010	1	2	3	25	0	
3/20/2010	į	9 2	2	26	0	
3/21/2010	į.	2	2	25	0	
3/22/2010	!	2	2	25	0	
3/23/2010	i	9 2	2	25	0	
3/24/2010		9 2	2	25	0 opened to 35 mcf	
3/25/2010		3 2	1	27	0	
3/26/2010		3 2	1	26	0	
3/27/2010		3 2	1	26	0	
3/28/2010		3 2	1	26	0	
3/29/2010		7 2	0	26	0	
3/30/2010		7 2	0	25	0	
3/31/2010		8 2	1	25	0	

Total 799

RECEIVED KANSAS CORPORATION COLIMISSION

JAN 26 2011