KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test:	_	16	ASI			(-	See Instruc	tions on He	iverse Side	יי				
	en Flov verabi	-	11 000		Test Date: API No. 15 3/9/2012 181-20399-000									
Company Rosewoo	d Res	sourc	ces			01012012	<u>-</u>	Lease Armstro	ong			41-1		Number
County Location Sherman NENE			Section 12			TWP 9S		RNG (E/W) 40W		Acres Attrib				
Field Goodland				Reservoir Niobrara			Gas Gathering Con Branch Systems II					RECEIV JAN 03 KCC WICH		
Completio	n Date	0				Plug Back Total Dept 1191'								JAN 03
/18/2006 asing Size Weight				Internal C	Diameter	Set at 1191'		Perforations		то 960'		KCC MICH		
7/8" 6.5# ubing Size Weight				2.441 Internal Diameter			Set at		928' Perforations		To		VO VVICE	
one ype Com							d Production	en .	Pump Unit or Traveling			g Plunger? Yes / No		
ingle (onal) ulus / Tubi	nal	.	Dry Ga	arbon Diox	ide			wing trogen	Gas	Gravity	- G
nnulus		(Ama	ulus / 1404	ugj		76 C	AIDON DIOX	iida		/0 141	nogen	.6	Charly	α ₉
ertical D		1)			Pressure Taps							(Mete	r Run) ((Prover) Size
60' ressure	n:l.d	C	3-	8		0 12 at 1	Flar 0:35		Taken 3-	.9		12 _{at} 10:4	5	_(AM) PM)
ressure /ell on Li			ihut in Started _3-	9		0at 02 at		(AM) (PM)	Taken 3	-10		12 _{at} 11:3		_((AM)(PM)
							ODOEDW!					S		4 Hours
itatic /	ic/ Dritice		Pressure Differential Flowing Well Head			Ca	Casing		Tubing	Duration of She	U(-H)	Liquid Produced		
namic Siz		hes) Prover Pressur		sure	in Temperature Tempera		'	(P _w) or (P ₁) or (P _c)		Wellhead Pressure (P _w) or (P _t) or (P _c)		(Hours)		(Barrels)
ihut-in			F - • V	•				psig 10	24.4	psig psla				-
Flow								2	16.4			24	0	
						· ·	FLOW ST	REAM ATTI	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m xh	on Factor		Flowing Temperature Factor F ₁₁	emperature Factor		Metered Flo R (Mcfd)	w GO (Cubic Barr	Feet/	Flowing Fluid Gravity G _m
										1				
						(OPEN FL	OW) (DELI	VERABILIT	Y) ÇALCUI	.ATIOI	vs	(F)²= ().207
(c) ² =		_ :	(P _w) ²		: ose formula 1 or 2	P _a =		% ((P _c - 14.4) +	14.4	= :	(F	P _a) ² =	
$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²			1. P _c ² -P _s ² 2. P _c ² -P _d ² sed by: P _c ² -P _s ²	LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" Assigned Standard Slope		١,	x LOG	Antilog	0	Open Flow Deliverability als R x Antilog (Mcfd)
				ŀ										
			· · · · · · · · · · · · · · · · · · ·											
pen Flo	N		····		Mcfd @ 14.	65 psia		Delivera	bility			Mcfd @ 14.65	psia	
		-	•		ehalf of the			•		day o	December	ort and that he	has kno	owledge of , 20 <u>12 .</u> .
			Witnes	s (if an	y)					/	For	Company	· • •	
			For Co	mmissi	on						Che	scked by		

JAN 0 3 2013

KCC WICHITA

state of Kansas that I am authorized to request rator Rosewood Resources, Inc. contained on this application form are true and allable production summaries and lease records on use being made of the gas well herein named. ting for the Armstrong 41-12
an oil reservoir undergoing ER roval Docket No in excess of 250 mcf/D all supporting documents deemed by Commission testing.
Janul Glille

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.

W443
Armstrong 41-12
South Goodland
Goodland
None
March-12

JAN 0 3 2013 KCC WICHITA

	Casing		HRS		REMARKS
DATE	PSI ST	ATIC MCF	DOW	/N	(Maximum length 110 characters)
3/1/2012	0	13	2	0	
3/2/2012	0	13	2	0	
3/3/2012	0	13	2	0	
3/4/2012	0	13	2	0	
3/5/2012	0	13	2	0	cal
3/6/2012	0	13	0	0	flowing <1, pat checked and said accurate
3/7/2012	0	13	0	0	flowing 0.00, flowed 0.00 yday, shut in
3/8/2012	0	13	0	0	24hr shut in for state
3/9/2012	10	23	0	24	opened, pinched to 3mcf
3/10/2012	2	15	1	0	
3/11/2012	1	14	0	0	
3/12/2012	1	14	0	0	
3/13/2012	1	14	0	0	shut in
3/14/2012	1	14	0	0	
3/15/2012	11	24	0	0	opened to 5mcf
3/16/2012	1	14	1	0	
3/17/2012	0	13	0	0	
3/18/2012	0	13	0	0	
3/19/2012	1	14	0	0	shut in
3/20/2012	7	20	0	0	
3/21/2012	11	24	0	0	opened up
3/22/2012	1	14	1	0	
3/23/2012	0	13	0	0	
3/24/2012	0	13	0	0	
3/25/2012	0	13	0	0	
3/26/2012	0	13	0	0	
3/27/2012	0	13	0	0	
3/28/2012	0	13	0	0	
3/29/2012	0	13	0	0	
3/30/2012	0	13	0	0	
3/31/2012	0	13	0	0	

Total

W443
Armstrong 41-12
South Goodland
Goodland
None
April-12

RECEIVED

JAN 0 3 2013

KCC WICHITA

	Casing			Н	RS	REMARKS		
DATE	PSI	STATIC MCF		DOWN		(Maximum length 110 characters		
4/1/2012		0 1;	3	0	0			
4/2/2012		0 1:	3	0	0			
4/3/2012		0 1:	3	0	0			
4/4/2012		0 1:	3	0	0			
4/5/2012		0 1:	3	0	0			
4/6/2012		0 1;	3	0	0			
4/7/2012		0 1:	3	0	0			
4/8/2012		0 13	3	0	0			
4/9/2012		0 1:	3	0	0			
4/10/2012		0 13	3	0	0			
4/11/2012	1	0 1:	3	0	0			
4/12/2012	1	0 13	3	0	0			
4/13/2012	1	0 13	3	0	0			
4/14/2012	1	0 13	3	0	0			
4/15/2012	ı	0 13	3	0	0			
4/16/2012	I	0 13	3	0	0			
4/17/2012	I	0 13	3	0	0			
4/18/2012	I	0 1:	3	0	0			
4/19/2012	1	0 13	3	0	0			
4/20/2012	I	0 13	2	0	0			
4/21/2012	1	0 13	3	0	0			
4/22/2012	4	0 13	3	0	0			
4/23/2012	•	0 13	3	0	0			
4/24/2012	+	0 13	3	0	0	shut in		
4/25/2012	(0 13	3	0	0			
4/26/2012	19	0 23	3	0	0			
4/27/2012	1:	2 2:	5	0	0			
4/28/2012	1.	3 20	5	0	0			
4/29/2012	1	4 27	7	0	0			
4/30/2012	1:	5 28	3	0	0			
5/1/2012	() ()	0	0			

Total

W443 Armstrong 41-12 South Goodland Goodland None May-12 RECEIVED

JAN 0 3 2013

KCC WICHITA

	Casing]	HRS	REMARKS
DATE	PSI	STATIC	MCF]	DOWN	(Maximum length 110 characters)
5/1/2012	16	5 29		0	0	shut in for a week
5/2/2012	16	29		0	0	opened to 4 mcf
5/3/2012	2	. 15		1	0	shut in
5/4/2012	1	. 14		0	0	
5/5/2012	14	27		0	0	
5/6/2012	16	29		0	0	
5/7/2012	17	30		0	0	
5/8/2012	17	30		0	0	opened up
5/9/2012	2	! 15		1	0	-
5/10/2012	1	. 14		1	0	
5/11/2012	1	. 14		1	0	
5/12/2012	1	. 14		0	0	
5/13/2012	1	. 14		1	0	
5/14/2012	1	. 14		0	0	
5/15/2012	1	. 14		0	0	
5/16/2012	1	. 14		0	0	SHUT IN
5/17/2012	1	. 14		0	0	
5/18/2012	12	25		0	0	
5/19/2012	14	27		0	0	
5/20/2012	15	28		0	0	
5/21/2012	16	29		0	0	
5/22/2012	17	30		0	0	
5/23/2012	17	30		0	0	
5/24/2012	4	17		1	0	
5/25/2012	2	! 15		1	0	
5/26/2012	3	16		0	6	
5/27/2012	2	15		0	0	
5/28/2012	2	15		0	0	
5/29/2012	2	15		0	1	
5/30/2012	2	15		0	0	shut in
5/31/2012	1	. 14		0	0	

7

Total