KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open Fl	ow E	BSI			See Instruc	ctions on Re	overse Side						
Delivera	bilty			Test Date 9/18/20					No. 15 -20326-00 -	. _			
Company Rosewood R	esou	rces				Lease Crouch				1-3	Well Number		
County Sherman		Location	on	Section 3		TWP 7S		RNG (E/	W)		Acres Attributed		
Field Goodland				Reservoi Niobrara					nering Conn Systems In				
Completion Da 8-19-2003	ite			Plug Bac 1201'	k Total Dep	th		Packer S			, 		
Casing Size 4 1/2"	sing Size Weight			Internal I 4.090	Diameter	Set 121		Perfor	ations	то 1037'			
Tubing Size none		Weigh	l	Internal [Diameter	Set	at	Perfor	ations	То	~		
Type Completion				Type Flui Dry Ga	d Productio	n		Pump Un Flowin	it or Traveling	Plunger? Yes	/ (No		
Producing Three	ı (Anı	nulus / Tubing)	% C	Carbon Diox	ide		% Nitroge		Gas Gr	avity - G _g		
Vertical Depth(H)				Pres Flan	sure Taps					Run) (Prover) Size		
Pressure Build		Shut in 9-18	2	07 at 9	:00		Taken 9-	19		07 at 9:00	(AM) (PM)		
Well on Line:	٠,	Started 9-19	20	07 at 9	:00	(PM)	Taken 9-	20	20	07 at 4:00	(AM)(PM)		
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours		
Dynamic Si	amic Size Meter Differential		t lemperature (P		Wellhead (P _w) or (F	Casing Ihead Pressure) or (P _t) or (P _c)		ubing id Pressure (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)			
Shut-In			2			psig 6	20.4	psig	psia		·		
Flow						5	19.4			24	0		
				1	FLOW STF	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd	Pro	Circle one: Meter or ver Pressure psia	Press Extension P _m x h	Grav Fact F _e	tor	Flowing Temperature Factor F ₁₁	Fa	iation ctor : pv	Metered Flov R (Mcfd)	v GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G _m		
									11				
(5.)		(5.) 0		•	OW) (DELIV		•				2 = 0.207		
$(P_c)^2 = {(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$	(P	(_c) ² - (P _w) ²	: Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² Iivided by: P _c ² - P _c ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo	ssure Curve pe = "n" - or signed lard Slope		og []	(P _d) ²	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			, c w	-									
Open Flow		<u>.</u>	Mcfd @ 14.0	SE pela		Deliverat	silitu.			Mcfd @ 14.65 psi	<u> </u>		
· · · · · · · · · · · · · · · · · · ·	ianer	Lauthority on			tates that h		•	n make the		rt and that he ha			
the facts stated	•	•				•			ovember	T and that he ha	2 ,20 97 .		
		Witness (if	anul		R ANSAS COR	ECEIVE	ONAMINESA O	Jon	nll	Company Company	lp_		
		For Commi		K		N 152				cked by			

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	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 Rosewood Resources, Inc. going pressure information and statements contained on this application form are true and those of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. The est a one-year exemption from open flow testing for the Crouch 1-3 ounds that said well:
(Check	
Date: 11/29/2007	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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KANSAS CORPORATION COMMISSION

W396 Crouch 1-3 North Goodland Goodland None September-07

	Casing			H	RS	REMARKS
DATE	PSI	STATIC	MCF	DO	OWN	(Maximum length 110 characters)
9/1/2007		6 1	8	12	0	
9/2/2007		6 1	8	12	0	
9/3/2007		6 1	8	12	0	
9/4/2007		6 1	8	12	0	
9/5/2007		6 1	8	12	0	
9/6/2007		5 1	8	13	0	
9/7/2007		5 1	8	13	0	
9/8/2007		5 1	8	13	0	
9/9/2007		5 1	8	13	0	
9/10/2007		5 1	8	13	0	
9/11/2007		5 1	8	13	2	
9/12/2007		5 1	8	13	4.5	
9/13/2007		5 1	8	. 11	0	
9/14/2007		5 1	8	11	0	
9/15/2007		5 1	8	11	0	
9/16/2007		6 1	9	10	3	
9/17/2007		6 1	9	10	0	
9/18/2007		6 1	9	13	0	si 9:00 cp6
9/19/2007		9 2	2	0	. 0	open 9:00am cp9
9/20/2007		4 1	7	20	0	
9/21/2007		5 1	8	13	0	
9/22/2007		5 1	8	13	0	
9/23/2007		5 1	8	13	0	
9/24/2007		5 1	8	13	0	
9/25/2007		5 1	8	13	0	
9/26/2007		5 1	8	13	0	•
9/27/2007		5 1	8	14	0	
9/28/2007		5 1	8	13	0	
9/29/2007		5 1	8	13	0	
9/30/2007		5 1	8	13	0	
10/1/2007					0	

Total

368

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W396 Crouch 1-3 North Goodland Goodland None October-07

	Casing			HRS		REMARKS		
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)		
10/1/2007		4 1	7	10	0			
10/2/2007		4 1	7	10	0			
10/3/2007		4 1	7	10	0			
10/4/2007		4 1	7	10	0			
10/5/2007		4 1	7	10	0			
10/6/2007		4 1	7	10	0			
10/7/2007		4 1	7	10	0			
10/8/2007	·	4 1	7 ·	10	0			
10/9/2007		4 1	7	10	0			
10/10/2007		4 1	7	10	0			
10/11/2007		4 1	7	14	0			
10/12/2007		4 1	7	14	0			
10/13/2007		4 1	7	11	0			
10/14/2007		4 1	7	11	0			
10/15/2007		4 1	7	11	0			
10/16/2007	•	4 1	7	12	0			
10/17/2007		4 1	7	12	0			
10/18/2007	•	4 1	7	12	0			
10/19/2007	•	4 1	7	12	0			
10/20/2007	•	4 1	7	12	0			
10/21/2007		4 1	7	12	0			
10/22/2007		4 1	7	12	0	•		
10/23/2007		4 1	7	12	0			
10/24/2007		4 1	7	12	0			
10/25/2007		4 1	7	12	0			
10/26/2007		4 1	7	12	0			
10/27/2007		4 1	7	12	0			
10/28/2007		4 1	7	12	0			
10/29/2007		4 1	7	12	0			
10/30/2007		4 1	7	12	0			
10/31/2007		4 1	7	12	0			

Total 353

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W396 Crouch 1-3 North Goodland Goodland None November-07

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2007		3	16	12	0	
11/2/2007		3	16	12	0	· · · · · · · · · · · · · · · · · · ·
11/3/2007		3	16	12	0	
11/4/2007		3	16	12	0	
11/5/2007		3	16	12	0	
11/6/2007		3	16	12	0	
11/7/2007	,	3	16	12	0	
11/8/2007		7	20	9	6	
11/9/2007		4	17	9	3	
11/10/2007		4	17	12	0	
11/11/2007		4	17	12	0	
11/12/2007		4	17	12	0	,
11/13/2007		4	17	12	0	•
11/14/2007		4	17	12	1	
11/15/2007		5	18	11	3	bp
11/16/2007		4	17	11	12	
11/17/2007		7	20	3	7	
11/18/2007		5	18	7	0	
11/19/2007		4	17	14	0	bp
11/20/2007		4	17	13	0	
11/21/2007		3	16	13	0	
11/22/2007		4	17	10	2	
11/23/2007		4	17	9	2	
11/24/2007		4	17	10	0	
11/25/2007		4	17	10	0	
11/26/2007		7	20	10	2	
11/27/2007		4	17	10	0	
11/28/2007		4	17	10	0	
11/29/2007		4	17	10	0	
11/30/2007		3	16	9	3	bp
12/1/2007	•				0	

Total 322

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