KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	: en Flow	, ,	MSI		(See Instruct	ions on Re	verse Side)					
☐ Dell	lverabil	ty			Test Date 9/21/20					No. 15 -20333-00	- 10)		
Company Rosewoo		our	ces			· · .	Lease Ihrig					1-15	Well Nu	mber
County Location Sherman SESE			Section 15		TWP 7S			RNG (E/W) 39W			Acres A	attributed		
				Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.					•		
Completion Date 10/29/2003			Plug Bac 1201'	Plug Back Total Depth				Packer Set at						
Casing Size Weight			Internal 0		Set at Perforations 1205' 1006'			To 1039						
	Tubing Size Weight			Internal C	Diameter	Set at			rations		То		 ,,	
Type Com Single (*0.	Type Flui Dry Ga				Pump Unit or Traveling Plunger Flowing			77 Yes / No		
Producing	Thru		ulus / Tubing)		arbon Dioxi	de		% Nitrogen			Gas Gravity - G _e		
Annulus Vertical D)				Pressure Taps						•	Run) (P	rover) Size
1039'	-		9-20)2	_ 11 . 3	Flang :55		9-	 21		11 .	2" 4:10		
Pressure (tarted 9-21							20				AM) (PM) AM) (PM)
							D SURFAC						24 Lin 24	Hour
Static / Orifice Dynamic Size Property (inches)		Meter Prover Pressure			Flowing Well Head Temperature		Casing Wellhead Pressure (P ₊) or (P ₁) or (P ₆)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _o)		Ouration of Shut Ouration (Hours)		Liquid Produced (Barrels)	
Shut-In		+	psig (Pm)	Inches H ₂ 0			psig 6	psla 20.4	palg	psia			 	
Flow							7	21.4			24		0	
				_		FLOW STR	EAM ATTR	IBUTES						
Plate Coefficient (F _b) (F _p) Modd		Gircle one: Matter or Prover Pressure psia Press Extension P _m x h		Gravity To		Flowing Temperature Factor F ₁₁	perature Factor		tor R		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
										7				
(P _e)² =			(P)² =_		(OPEN FL	OW) (DELIV		') CALCUL P _a - 14.4) +) ² = 0.2) ² =	07
(P _e) ² - (P or (P _e) ² - (P	•	(P.)²- (P _w)²	1. P _e ² - P _e ² 2. P _e ² - P _e ² Wided by: P _e ² - P _e ²	LOG of formula 1, or 2, and divide	P.2. P.2	Backpre Slo	issure Curve pe = "n" - or isigned lard Slope		LOG [An	tilog	Op Del Equals	en Flow verability R x Antilog Mctd)
					-		-							
Open Flov	L v	•	<u>_</u> l	Mcfd @ 14.	65 psia		Deliverat	ollity	i		Mcfd @	14.65 ps	sla	
		ned	authority, on	behalf of the		states that h		•	o make th			•		ledge of
he facts st	ated th	erein	, and that sa	d report is true	and correc	t. Executed	this the _2	8	day of _D	ecember				20 11
			Witness (if	any)				5	DU	ull For	Company	10	W	CEIVE
			For Commis	ssion						Che	cked by		-APR	2-4-2

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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APR 2 4 2012

KCC WICHITA

W407

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North Goodland
Goodland
None
September-11

	Casing			Н		REMARKS
DATE	PSI	STATIC	MCF	D	NWC	(Maximum length 110 characters)
9/1/2011		7	20	5	0	
9/2/2011		8	21	2	12	
9/3/2011		8 2	21	6	0	
9/4/2011		7	20	6	0	
9/5/2011		7	20	7	0	
9/6/2011	,	7	20	7	0	
9/7/2011		6	19	8	0	
9/8/2011		5	18	12	0	
9/9/2011		6	19	6	0	
9/10/2011		6	19	7	0	
9/11/2011		6	19	7	0	
9/12/2011		6	19	7	0	cal
9/13/2011		6	19	6	0	
9/14/2011		6	19	7	0	
9/15/2011		6	19	8	0	
9/16/2011		5	18	8	0	
9/17/2011		5	18	7	0	
9/18/2011		5	18	7	0	
9/19/2011		6	19	7	0	
9/20/2011		6	19	7	0	shut in for test
9/21/2011		6	19	0	24	opened up
9/22/2011		7	20	6	2	
9/23/2011		7	20	7	2.5	
9/24/2011		7	20	4	15	
9/25/2011		7	20	6	0	
9/26/2011		7	20	7	0	
9/27/2011		7	20	6	2	
9/28/2011		6	19	8	0	
9/29/2011		7	20	7	0	
9/30/2011		6	19	7	2.5	
10/1/2011		0	0	0	0	

Total 195

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Thrig 1-15
North Goodland
Goodland
None

October-11

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
10/1/2011		6	19	9	0	
10/2/2011		5	18	9	0	
10/3/2011		5	18	8	0	
10/4/2011		5	18	7	0	
10/5/2011		5	18	7	0	
10/6/2011		5	18	8	0	
10/7/2011		5	18	8	0	
10/8/2011		5	18	8	0	
10/9/2011		5	18	8	0	
10/10/2011		5	18	8	0	
10/11/2011		5	18	8	0	
10/12/2011		5	18	8	0	
10/13/2011		5	18	8	0	
10/14/2011		5	18	8	0	
10/15/2011		5	18	8	0	
10/16/2011		5	18	8	0	
10/17/2011		5	18	8	0	
10/18/2011		4	17	8	0	
10/19/2011		4	17	8	0	
10/20/2011		4	17	8	0	
10/21/2011		5	18	6	2	
10/22/2011		5	18	7	0	
10/23/2011		5	18	7	0	
10/24/2011		5	18	7	0	
10/25/2011		6	19	4	2	
10/26/2011		5	18	8	0	
10/27/2011		5	18	7	0	
10/28/2011		5	18	7	0	
10/29/2011		5	18	7	0	
10/30/2011		5	18	7	0	
10/31/2011		5	18	7	0	

Total 234

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Ihrig 1-158 * ...
North Goodland
Goodland
None

Nov	ember-	1	1
Nov	ember-	1	1

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
11/1/2011		5	18	7	0	
11/2/2011		5	18	7	0	
11/3/2011		5	18	7	0	
11/4/2011		5	18	8	0	
11/5/2011		5	18	8	0	
11/6/2011		5	18	7	0	
11/7/2011		5	18	8	0	
11/8/2011		5	18	8	0	
11/9/2011		5	18	7	0	
11/10/2011		5	18	8	0	bp
11/11/2011		5	18	8	0	
11/12/2011		5	18	8	0	
11/13/2011		5	18	8	0	
11/14/2011		5	18	8	0	
11/15/2011		5	18	7	0	
11/16/2011		5	18	7	0	
11/17/2011		5	18	7	0	
11/18/2011		5	18	8	0	
11/19/2011		5	18	6	0	
11/20/2011		5	18	6	0	
11/21/2011		5	18	7	0	
11/22/2011		5	18	6	0	
11/23/2011		5	18	7	0	
11/24/2011		5	18	7	0	
11/25/2011		5	18	7	0	
11/26/2011		5	18	7	0	
11/27/2011		5	18	7	0	
11/28/2011		5	18	7	0	
11/29/2011		5	18	7	0	
11/30/2011	·	5	18	7	0	
12/1/2011		0	0	0	0	

Total 217