KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flov	. 8	ISI		((See Instruc	tions on Re	overse Side))					
	liverabi	-	,		Test Date 5/23/20					l No. 15 1 -20461-01- 0	0			
Company		sour	ces, Inc.				Lease C. Ihri	gg		-	32-21	Well Num	ber	
County Shermar	1		Location SWNE/		Section 21		TWP 7S		RNG (E.	/W)		Acres Att 80		
Field Goodlan	d				Reservoir Niobrara					thering Conne Systems Inc			RECEIVIAN 03; COWICH	'En
Completic 9/13/20		e			Plug Bac 3264'	k Total Dep	oth		Packer	Set at			JAN n3	2010
Casing Si 4 1/2"	ize	-	Weight 10.5#		Internal 0 4.000	Diameter	Set 32 6		Perfo 317	orations '9'	то 3194'	Kr	ر کو تا این	KU 13
Tubing Si	ze		Weight		Internal (Diameter	Set	at	Perfo	orations	То	,,,,	C WICH	IITA
Type Con Single (•			·	Type Flui Dry Ga	id Productio	in		Pump U	nit or Traveling	Plunger? Yes	No		
Producing	Thru		, ulus / Tubing)			Carbon Diox	ide		% Nitrog	-		avity - G	 I	
Annulus Vertical D		1)				Pres	ssure Taps				,6 (Meter I	Run) (Pro	ver) Size	
3292'						Flan	ige				2"			
Pressure	Buildu		Shut in 5-22		12 _{at} 1		(AM)(PM)				12 _{at} 12:25		M) (PM)	
Well on L	ine:	5	Started 5-23	20	12 _{at} 1.	2:25	(AM)(PM	Taken 5-	-24	20	12 _{at} 1:10	. (A	M) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in 24	Hours	
Static / Dynamic Property	Orific Size (inche	∍	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (sing I Pressure P,) or (P _c)	Wellhe	Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)		Produced arrels)	
Shut-In		_	parg (111)	menes 11 ₂ 0			psig 12	psia 26.4	psig	psia				
Flow							7	21.4			24	0		
			···			FLOW STE	REAM ATT	RIBUTES		1				
Plate Coeffied (F _b) (F Mofd	ient		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m xh	Grav Fac F	tor	Flowing Temperature Factor F,	Fa	viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	,	Flowing Fluid Gravity G _m	
										21				
			47.10		•	OW) (DELIV		•				² = 0.20°	7	
(P _c) ² =		:		: hoose formula 1 or 2:	P _a =			P _c - 14.4) + essure Curve		: :	(P _d)	T		
(P _c) ² - (I or (P _c) ² - (I		(P,) ² - (P _w) ²	1. P _c ² - P _s ² 2. P _c ² - P _c ² vided by: P _c ² - P _s ²	LOG of formula 1. or 2. and divide by:	P.2-P.2	Sid	ppe = "n" - orssigned dard Slope	n x	LOG	Antilog	Delivi Equals (n Flow erability R x Antilog fcfd)	
				<u>-</u>										
Open Flo	w			Mcfd @ 14.6	35 psia		Delivera	bility			Mcfd @ 14.65 ps	ia		
The	undersi	gned	authority, on	behalf of the	Company, s	states that h	he is duly a	uthorized t	to make t	he above repo	rt and that he ha	s knowle	edge of	
the facts s	tated ti	nereir	n, and that said	d report is true	and correc	ct. Executed	d this the 2	<u>.</u> 0	day of _	December	···	. , 20	12	
			Witness (if a	anvi				(Jai	rull	Guy	ω		
									<i>(</i>	Por C	shad by			
			For Commis	SIDA						Chec	ked by			

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correct to the best of my knowledge and belief based upon available production summaries and lease record of equipment installation and/or upon type of completion or upon use being made of the gas well herein name. I hereby request a one-year exemption from open flow testing for the	NOO THOI II	., .
and that the foregoing pressure information and statements contained on this application form are true as correct to the best of my knowledge and belief based upon available production summaries and lease record equipment installation and/or upon type of completion or upon use being made of the gas well herein name. I hereby request a one-year exemption from open flow testing for the		to request
of equipment installation and/or upon type of completion or upon use being made of the gas well herein name. I hereby request a one-year exemption from open flow testing for the		re true and
I hereby request a one-year exemption from open flow testing for the C. Ihrig 32-21H gas well 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commistaff as necessary to corroborate this claim for exemption from testing. Date: 12/20/12	correct to the best of my knowledge and belief based upon available production summaries and lea	ise records
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Signature: Date:	is not capable of producing at a daily rate in excess of 250 mcf/D	
·	I further agree to supply to the best of my ability any and all supporting documents deemed by staff as necessary to corroborate this claim for exemption from testing.	/ Commissio
·	Date: <u>12/20/12</u>	
·	Signature:	w
Title: Production Assistant	Title: Production Assistant	
IIIIe: 1 Toddollott Assistant	HIIIe:	,,,,

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

May-12

	Casing		HRS	REMARKS
DATE	PSI S'	TATIC MCF	DOWN	(Maximum length 110 characters)
5/1/2012	7	20	23	0 pinched 1mcf to keep out wtr, was 16mcf
5/2/2012	7	20	23	0
5/3/2012	6	19	23	0
5/4/2012	6	19	22	0
5/5/2012	7	20	22	0
5/6/2012	7	20	22	0
5/7/2012	7	20	22	0
5/8/2012	7	20	21	0
5/9/2012	6	19	21	0
5/10/2012	6	19	21	0
5/11/2012	6	19	21	0
5/12/2012	6	19	21	0
5/13/2012	6	19	21	0
5/14/2012	6	19	21	0
5/15/2012	6	19	21	0
5/16/2012	6	19	20	0
5/17/2012	6	19	20	0
5/18/2012	6	19	20	0
5/19/2012	6	19	20	0
5/20/2012	6	19	20	0
5/21/2012	6	19	20	0
5/22/2012	6	19	20	0 shut in for state
5/23/2012	12	18	0	24 opened up
5/24/2012	7	20	19	0
5/25/2012	7	20	23	0
5/26/2012	6	19	21	0
5/27/2012	6	19	20	0
5/28/2012	8	21	21	2
5/29/2012	8	21		2.5
5/30/2012	7	20	23	0
5/31/2012	7	20	23	0

Total

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

June-12

	Casing			H	RS	REMARKS
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)
6/1/2012		7 2	0	22	0	
6/2/2012		7 2	0	22	0	
6/3/2012	į	5 1	9	21	0	
6/4/2012	į	5 1	9	21	0	
6/5/2012	(5 1	9	21	0	
6/6/2012	į	5 1	9	21	0	
6/7/2012	(5 1	9	21	0	
6/8/2012	į	5 1	9	21	0	
6/9/2012	į	5 1	9	21	0	
6/10/2012	1:	5 2	8	20	20	
6/11/2012	1.	5 2	8	20	14	
6/12/2012	1:	5 2	8	20	7	
6/13/2012	1:	5 2	8	20	3	
6/14/2012	1:	5 2	8	20	1	
6/15/2012	1:	2 2	5	21	2.5	
6/16/2012		7 2	0	22	0	
6/17/2012	•	7 2	0	22	0	
6/18/2012	•	7 2	0	22	0	
6/19/2012		7 2	0	22	2	
6/20/2012	•	7 2	0	22	2	
6/21/2012	•	7 2	0	22	0	
6/22/2012	•	7 2	0	21	0	
6/23/2012	•	7 2	0	21	0	
6/24/2012	•	7 2	0	21	0	
6/25/2012		7 2	0	21	0	
6/26/2012	,	7 2	0	21	0	
6/27/2012	,	7 2	0	21	0	
6/28/2012	,	7 2	0	21	0	
6/29/2012	,	7 2	0	21	0	
6/30/2012		7 2	0	21	0	
7/1/2012					0	

633

Total

W2270 C. Ihrig 32-21H North Goodland Goodland None July-12

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	Casing				IRS	REMARKS
DATE	PSI	STATIC	MCF	I	OOWN	(Maximum length 110 characters)
7/1/2012		7	20	20	0	
7/2/2012		7	20	20	0	
7/3/2012		7	20	20	2	
7/4/2012		7	20	20	0	
7/5/2012		7	20	20	7	
7/6/2012		7	20	20	1.5	
7/7/2012		7	20	20	0	
7/8/2012		7	20	20	0	
7/9/2012		6	19	21	0	
7/10/2012		6	19	21	0	
7/11/2012		6	19	21	0	
7/12/2012		6	19	21	0	
7/13/2012		6	19	21	0	
7/14/2012		6	19	21	0	
7/15/2012		6	19	21	0	
7/16/2012		6	19	21	0	
7/17/2012		6	19	21	0	
7/18/2012		6	19	20	0	
7/19/2012		6	19	20	0	
7/20/2012		6	19	20	0	
7/21/2012		6	19	20	0	
7/22/2012		6	19	20	0	
7/23/2012		6	19	20	0	
7/24/2012		6 1	19	20	0	
7/25/2012		6 1	19	20	0	
7/26/2012		6 1	19	20	0	
7/27/2012		6 1	19	20	0	
7/28/2012		6 1	19	20	0	
7/29/2012		6 1	19	20	0	
7/30/2012		6 1	19	20	0	
7/31/2012		6 1	19	20	0	

Total