KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

pe Test:)CT		(See Instruct	tions on Re	verse Side))				
Open Flow Deliverability	4-21-		Test Date 4/26/20					No. 15 -20346-00 0	•		
ompany osewood Resou	ırces				Lease Bowma	n			2-8	Well Number	
ounty nerman	Locatio NESE	on	Section 8				RNG (E/ 39W	W)	Acres Attributed 80		
eld oodland			Reservoir Niobrara			Gas Gathering Conn Branch Systems In			RE(CEIVE	
ompletion Date 28/204			Plug Bac 1205'	Plug Back Total Depth 1205'			Packer Set at			JAN	0 3 20
asing Size 1/2"	Weight 10.5#		Internal E 4.052	Diameter	Set at 1199'		Perforations 984'		To 1014'	PEC JAN KCC W	VICHI
bing Size One	Weight	t	Internal E	Diameter	Set	Set at		rations	То	_	.0, ,,
pe Completion (Dingle (Convent			Type Flui Dry Ga	d Production	า		Pump Ur Flowin	nit or Traveling	Plunger? Yes	/ No	
oducing Thru (An n nulus	nulus / Tubing)	% C	arbon Dioxi				Gas Gravity - G _o . 6			
ertical Depth(H)				Pres	ure Taps				(Meter Run) (Prover) Size		
essure Buildup:		20	12 _{at} 5	:15	(AM) (PM)	Taken 4-	26	20	12 5.25	(AM(PM)	
ell on Line:	Started 4-26	20	12 at 5	:35	(AM)(PM)	Taken 4-	27	20	12 at6:15	(AM) (PM)	
	1			OBSERVE	D SURFAC	E DATA	1		Duration of Shut-	in 24 Hours	- 3
tatic / Orifice namic Size operty (inches)	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential re in Inches H ₂ 0	Temperature t t Wellhe		Wellhead	Casing Tubing wellhead Pressure (P_u) or (P_1) or (P_c) (P_w) or (P_1) or (P_c) sig psia psig psia		Duration Liquid Produced (Hours) (Barrels)			
hut-In					12	26.4	poig	poru			
Flow					7	21.4	<u> </u>		24	0	
			1	FLOW STR	EAM ATTR	IBUTES					1
Plate Press Defficement F _b (F _p) Mode Circle one: Meter or Prover Pressure Prover Pressure Press Extension Prover Pressure Prover Pressure		Gravity Flowing Temperature Factor Factor F,		Fa	Deviation Metered Flor Factor R Fpv (Mcfd)		v GOR (Cubic Fe Barrel)	Gravity			
								10			•
	45.10			OW) (DELIV		-				² = 0.207	
)2 = :	(P _w)² =_	Choose formula 1 or 2:	P _d ≠		1	o 14.4) +		:	(P _g)	' =	7
$(P_c)^2 - (P_a)^2$ (I) or $(P_c)^2 - (P_d)^2$	(P _e) ² (P _c) ² - (P _w) ² 1. P _c ² - P _c ² LOG of formula		tormula 1. or 2. and divide p2.p2 Assigned		pe = "n" - or signed	n x 106		Antilog	Open Flow Deliverability Equals R x Antilog		
		divided by: $P_c^2 - P_w^2$	by:		Stand	lard Slope				(Mcfd)	-
en Flow		Mcfd @ 14.6	i5 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia	
The undersigne facts stated there						0	_{day of} D	ecember	ort and that he ha	as knowledge of 20 12	
	Witness (if	any)				6) ON	1 arll	COMPANY	el .	
	For Commi	esion						Cher	cked by		

JAN 0 3 2013

KCC WICHITA

correct to the best of my knowledge and belief based upon available production summaries and lead of equipment installation and/or upon type of completion or upon use being made of the gas well here. I hereby request a one-year exemption from open flow testing for the Bowman 2-8 gas well on the grounds that said well: (Check one)	re true and
and that the foregoing pressure information and statements contained on this application form and correct to the best of my knowledge and belief based upon available production summaries and lead of equipment installation and/or upon type of completion or upon use being made of the gas well here. I hereby request a one-year exemption from open flow testing for the Bowman 2-8 gas well on the grounds that said well: (Check one)	ase records
correct to the best of my knowledge and belief based upon available production summaries and lead of equipment installation and/or upon type of completion or upon use being made of the gas well here. I hereby request a one-year exemption from open flow testing for the Bowman 2-8 gas well on the grounds that said well: (Check one)	ase records
of equipment installation and/or upon type of completion or upon use being made of the gas well here I hereby request a one-year exemption from open flow testing for the Bowman 2-8 gas well on the grounds that said well: (Check one)	
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 staff as necessary to corroborate this claim for exemption from testing.	y Commissio
Date: 12/20/12	
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.

W394
Bowman 2-8
North Goodland
Goodland
None
April-12

1

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	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF MCF	DOWN	(Maximum length 110 character
4/1/2012		5	18	10	0
4/2/2012		5	18	10	0
4/3/2012		5	18	11	0
4/4/2012		5	18	11	0
4/5/2012		5	18	10	0
4/6/2012		5	18	10	0
4/7/2012		5	18	10	0
4/8/2012		5	18	10	0
4/9/2012		5	18	10	0
4/10/2012		5	18	10	0
4/11/2012		5	18	10	0
4/12/2012		5	18	10	0
4/13/2012		5	18	10	0
4/14/2012		5	18	10	0
4/15/2012		5	18	9	0
4/16/2012		5	18	10	0
4/17/2012		5	18	10	0
4/18/2012		5	18	7	3
4/19/2012		5	18	11	0
4/20/2012		5	18	10	0
4/21/2012		5	18	10	0
4/22/2012		5	18	10	0
4/23/2012		5	18	10	0
4/24/2012		5	18	9	0
4/25/2012		5	18	10	0 shut in for state
4/26/2012		12	18	0	24 opened up
4/27/2012		7	20	4	9.5
4/28/2012		6	19	11	0
4/29/2012		6	19	11	0
4/30/2012		6	19	10	0
5/1/2012		0	0	0	0

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KCC WICHITA

W394
Bowman 2-8
North Goodland
Goodland
None
May-12

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
5/1/2012		6	19	10	0	
5/2/2012		5	18	10	0	
5/3/2012		5	18	11	0	
5/4/2012		5	18	10	0	
5/5/2012		5	18	10	0	
5/6/2012		5	18	10	0	
5/7/2012		5	18	10	0	
5/8/2012		5	18	10	0	
5/9/2012		5	18	10	0	
5/10/2012		5	18	10	0	
5/11/2012		5	18	10	0	
5/12/2012		5	18	10	0	
5/13/2012		5	18	10	0	
5/14/2012		5	18	10	0	
5/15/2012		5	18	10	0	
5/16/2012		5	18	10	0	
5/17/2012		5	18	10	0	
5/18/2012		5	18	10	0	
5/19/2012		5	18	10	0	
5/20/2012		5	18	10	0	
5/21/2012		5	18	10	0	
5/22/2012		5	18	10	0	
5/23/2012		5	18	10	0	
5/24/2012		5	18	10	0	
5/25/2012		5	18	10	0	
5/26/2012		5	18	10	0	
5/27/2012		5	18	10	0	
5/28/2012		6	19	9	2	
5/29/2012		6	19	9	2.5	
5/30/2012		6	19	10	0	
5/31/2012		5	18	11	0	

W394
Bowman 2-8
North Goodland
Goodland
None
June-12

JAN 0 3 2013 KCC WICHITA

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