Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

	: en Flo liverab					Test Date	See Instruc	tions on Re	everse Side	API	No. 15						
Company	,							Lease		15-	181-20543-			Well Nur	mber		
Noble Et	nergy	Inc				0		Billinge	r 	DNO (E	7.44		11-1		***************************************		
County Sherman			Location SE-SE-NW-NW			Section 1		6S	TWP 6S		RNG (E/W) 40W			Acres A	ttributed		
Field Prairie Star						Reservoir Niobrara					hering Conr Morgan	nection					
Completic 10/5/201		te				Plug Bac 1555	k Total Dep	th		Packer S	Set at						
Casing S 7", 4-1/2				ight #, 10	.5#	Internal D 9-7/8",		Set at 381, 1596		Perio	rations 2		то 1396				
Tubing Size 2 3/8			Weight 4.7#			Internal D		Set at		Perfo		То					
Type Con Single (-	n (Do					d Productio	n		Pump Ur Yes	nit or Traveling	g Plunger?	Yes	/ No			
		(Anı	nulus / Tul	oing)			% Carbon Dioxide								Gas Gravity - G		
Tubing Vertical D	enth/l				<u>-</u>	·	Pres	sure Taps					Matar E	Run\ (Dr	over) Size		
vertica: L	epanti	''					ries	sure raps				(ivietei F	iuii) (Fi	over) Size		
Pressure	Buildu	ıp:	Shut in _	0/23	2	0_13_at_9.	:00	(AM) (PM)	Taken		20) at		(<i>,</i>	AM) (PM)		
Well on L	ine:		Started _1	0/24	2	0 13 at 9	:00	(AM) (PM)	Taken	····	20) at		(AM) (PM)		
							OBSERVE	D SURFAC	E DATA			Duration o	of Shut-i	n_24	Hours		
Static / Dynamic Property	Orif Siz (inch	e:e	Circle of Mete Prover Pre psig (P	r ssure	Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (F	sing I Pressure P _t) or (P _c)	Wellhe	Tubing ad Pressure r (P _c) or (P _c)	Duratik (Hour			l Produced Sarrels)		
Shut-In			baid (i	,	inches ri ₂ 0			psig 52	psia	psig	psia						
Flow						ļ. 				1	<u> </u>						
							FLOW ST	REAM ATTE	RIBUTES		. 1						
Plate Coeffiec · (F _b) (F Mcfd	ient ")	Pro	Circle one: Meter or over Pressur psia	е	Press Extension P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{tt}	F.	viation actor F _{pv}	Metered Flo R (Mcfd)		GOR Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m		
						(OPEN FILE	OW) (DELIV	/FRARII ITY	() CALCUI	ATIONS		I					
(P _c) ² =		_:	(P _w)	ı² =	:	•	• •		•	+ 14.4 =	<u> </u>			e 0.20			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²			ose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_a^2$	LOG of formula 1, or 2.		Backpressure Cu Slope = "n"or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)			
					M-14-0-14	05		Dal' annul	L 1144 .			Maria	4.05				
Open Flor		lana	d authoriti	h	Mcfd @ 14.		ototoo that l	Deliveral		to make th	as above rep	Mcfd @ 14			ladas of		
		-	-		report is true			•			ne above rep ecember	on and that	i ne na		20 <u>13</u> .		
													KC	C V	VICHITA		
			Witne	ss (if an	у)			•			For	Company	D	EC 3	0 2013		
	,		For C	ommissi	on						Che	ecked by			EIVED		

exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Billinger 11-1 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Charly Jahran.	
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Billinger 11-1 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Charly Jahran.	
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Billinger 11-1 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Change Noble Energy Inc.	
and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Billinger 11-1 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. visinot 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Chary Jahana	I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the	
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Billinger 11-1 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 vis 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013	that the foregoing pressure information and statements contained on this application form are true and
I hereby request a one-year exemption from open flow testing for the Billinger 11-1 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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Change Walkers	rect to the best of my knowledge and belief based upon available production summaries and lease records
(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	
(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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013	
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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013	
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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature:	(Check one)
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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date:	is a coalbed methane producer
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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013	is cycled on plunger lift due to water
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 Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Chanyl Johnson	is a source of natural gas for injection into an oil reservoir undergoing ER
I further agree to supply to the best of my ability any and all supporting documents deemed by Commissi staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Changle Johnson	is on vacuum at the present time; KCC approval Docket No
staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Charyl Johnson	is not capable of producing at a daily rate in excess of 250 mcf/D
staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/2013 Signature: Charyl Johnson	
Date: 12/5/2013 Signature: Chary Johnson	I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
Signature: Charyl Johnson	f as necessary to corroborate this claim for exemption from testing.
Signature: Charyl Johnson	
Signature: Charyl Johnson	12/5/2013
3	9: <u>12/3/2010</u>
J .	
J .	
3	
	Signature: Charyl Johnson
Title: Completions Supervisor	Title: Completions Supervisor

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.

KCC WICHITA