KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Dunbar S2-13 Danbar	ype Test:					(See Instruc	tions on Re	verse Side	»)			
Deliverability Lease Dunbar 32-13						Test Date) :			API I	No. 15		
Dunbar John Escription Lossition NE-Se-SW-NE 13 28 39W Acres Attributed Acre	Deli	verabil	lty									0-00	
Pressure Purp P	Company Noble Energy Inc										Well Number		
internal Diameter Set at 17#, 11.6# 978°, 6.14* 152°, 144.5 Perforations To 152°, 144.5 152°, 144												Acres Attributed	
internal Diameter Set at 17#, 11.6# 978°, 6.14* 152°, 144.5 Perforations To 152°, 144.5 152°, 144									=		ection	ion RECEIVE	
internal Diameter Set at 17#, 11.6# 978°, 6.14* 152°, 144.5 Perforations To 152°, 144.5 152°, 144	2/4/2008)			•				Packer S	et at		DEC 05 20
bing Size Weight Internal Diameter Set at Perforations To 3/3/8" 4.7# 1.995 1289 per Completion (Describe) Type Fluid Production Pump Unit or Traveling Plungor? Yes / No perforations To 3/1 20 12 at 1:15 (AM) € Nitrogen Gas Gravity - G (Meter Run) (Prover) Size of the production Saltwater Yes (Meter Run) (Prover) Size of the production Substitution of the production of the provent Pressure Taps (Meter Run) (Prover) Size of the provent Pressure Started 3/1 20 12 at 1:15 (AM) € No Taken 20 at (AM) (PM) (PM) Taken 20 at (AM) (PM) Taken 20 at (AM													
Type Fluid Production Saltwaler yes / No yes / N	Tubing Size 2 3/8"			Weight		Internal (Internal Diameter		Set at		ations	То	
Source Buildrup: Shut in 2/29 20 12 at 1:15 (AM) (AM) (AM) (AM) (AM) (AM) (AM) (AM)	ype Com	•	(De			Type Flui	Type Fluid Production			,			
essure Buildup: Shut in 2/29 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 20 12 at 1:15 (AM) (M) Taken 20 at (AM) (PM) poli on Line: Started 3/1 (AM) (PM	roducing		(Ann	ulus / Tubin	g)					•			avity - G _g
Started 3/1 20 12 at 1:15 (AM) (PM) Taken 20 at (AM) (PM)		epth(H))	······································			Pres	ssure Taps				(Meter I	Run) (Prover) Size
Started 3/1 20 12 at 1:15 (AM) (PM) Taken 20 at (AM) (PM)	Proceura F	Buildur	,. (2/2	<u>.</u> !9	n 12 _{at} 1	:15	(AM) PM	Taken		20	at	(AM) (PM)
Tubing T	•												
Continue							OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in_24Hours
FLOW STREAM ATTRIBUTES FLOW STREAM ATTRIBUTES Flowing Temperature Pactor Formula Part (Med y) Flowing Temperature Pactor Formula Part (Med y) Fig. (P _x) ² (P _y	Static / Dynamic	ic Size		Meter Prover Press	Differential ure in	Temperature	Temperature	Wellhead Pressure		Wellhead Pressure			I I
Flow STREAM ATTRIBUTES Plate Coefficient (F ₂) (F ₃) (F ₃) (Country Possure Posia (F ₃) (F ₃) (F ₃) (Country Possure Posia (F ₃) (F ₃) (F ₃) (Country Possure Posia (F ₃) (F ₃) (F ₃) (Country Possure Posia (F ₃) (F ₃) (Country Possure Posia (F ₃) (F ₃) (Country Possure Posia (F ₃) (Country Possure Possure Posia (F ₃) (Country Possure Po	Shut-In	(1110.110	,	psig (Pm)	Inches H ₂ 0				psia	psig	psia		
Plate Coefficient (F ₂) (F ₀) Meter or Prover Pressure pial (F ₀) (F ₀) (F ₀) (P	Flow				-								
Coefficient Coef							FLOW STI	REAM ATTR	IBUTES				
Per Flow Mcfd @ 14.65 psia Deliverability The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the30	Coeffiecient $(F_b)(F_p)$		Meter or Prover Pressure		Extension	Fac	tor Temperature Factor		Fa	actor	R	(Cubic Fe	et/ Fluid Gravity
Per Flow Mcfd @ 14.65 psia Deliverability The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the30													
Choose formula 1 or 2: 1. P _c ² - P _s or (P _c) ² - (P _g) ² or (P _c) ² - (P _g) ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² Den Flow Mcfd © 14.65 psia Deliverability The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the 30 day of November Witness (if any) Den Flow Slope = "n" Assigned Standard Slope November n x LOG n x LOG Antilog Antilog Antilog Antilog Mcfd © 14.65 psia Deliverability Mcfd © 14.65 psia Deliverability Mcfd © 14.65 psia For Company	-			(5.) 2		•	• •		-				
(P _c) ² - (P _a) ² (P _c) ² (P _e	c) ² =	T	=	(P _w)* =					-			(F _d)	
Deliverability Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the30	$(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$				2. P _c ² -P _d ²	2. P _c ² -P _d ² 1. or 2. and divide		Slope (Assi		l n x I	.og	Antilog	Deliverability Equals R x Antilog
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facts stated therein, and that said report is true and correct. Executed this the 30 day of November , 20 12 . Witness (if any)	Open Flov	N			Mcfd @ 14	.65 psia		Deliveral	ollity			Mcra @ 14.65 ps	ila
Witness (if any) For Company			-	•				•					
					•					-			
Far Commission Checked by				Witness	(if any)						For C	Company	
				For Com	mission			-			Che	cked by	

exempt status u and that the for	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc egoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records
	stallation and/or upon type of completion or upon use being made of the gas well herein named. Juest a one-year exemption from open flow testing for the
	grounds that said well:
I further agr	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 ree to supply to the best of my ability any and all supporting documents deemed by Commissionary to corroborate this claim for exemption from testing.
	Signature: Title: Regulatory Apalyst

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.