Form G-2 (Rev 8/98)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Pressure Buildup: Shut In	Deliverability WHSIP	Type Test:														
Company Lease	Company Comp	Open Flow				11/9/12				ADI No	15.005.01773	0000				
LINN OPERATING, INC. Section TWP Section TWP Acres Attributed	LINN OPERATING, INC. J TJADEN F A	X	Deliverab	lity WHSIF	•	rest Date: 11/9/12							AF1 140.	13-033-01773		
County Cozation C Section Section 3 TWP RNG (E/W) Acres Attributed Advanced A	County C	Company							•				Well Number			
Reservoir Reservoir Reservoir Gas Gathering Connection PIONEER EXPLORATION, LLC.	Field SPIVEY-GRABS-BASIL Reservoir Mississippi Chat Packer Set at Perforations Plum Back Total Doubt Packer Set at Perforations To 4492 Pulma Size Vertical Depth Proceedings Pluma Back Total Doubt Packer Set at Perforations To Pulma Size Vertical Depth Proceedings To Pulma Size Vertical Depth Proceedings To Pulma Size Vertical Depth Proceedings Pulma Dilatoretro Pulma Size Perforations To Pulma Size Vertical Depth Pulma Dilatoretro SINGLE Gas Pulma Dunit or Travelling Plumaer? Yes / No YES YES No YES	LINN OPERATING,			·										<u> </u>	
Reservoir Mississippi Chat PionEER EXPLORATION, LLC.	Field SPIVEY-GRABS-BASIL Reservoir Mississispi Chat PloNEER EXPLORATION, LLC.	· · · · ·				Section					RNG (E/	-				
SPIVEY-GRABS-BASIL	SPIVEY-GRABS-BASIL	KINGMAN			CSWN	IE				308					40	
Completion Date	Ping Back Total Denth A4492 Packer Set at O5/02/61 A4492 A4402 A		ADC DACII					i Chat						шс		
Casing Size	Casing Size				-	Pluc			Onat							
Tubing Size	14#	· · ·				1 100	-	Jopan					ool at			
Tubing Size Weight Internal Diameter Set at Perforations To	Tubing Size	Casing Siz	e	Weight		Inte	rnal Diameter	ſ	Set a	at			Perforations	s To)	
27/8 6.5 4337	27/8 6.5 Type Fluid Production Pump Unit or Travelling Plunger? Yes / No YES	5 1	/2	14#						410			438	80 4420		
Type Completion (Describe) SINGLE Gas Pump Unit or Traveling Plunger? Yes / No YES Producting Thru (Annulus/Tubing) Annulus Vertical Depth (H) 4458 Pressure Buildup: Shut In 11/18 20 12 at 11:00 (AMN/PM) Taken 20 at (AM)(PM) Taken 20 at (AM)(PM) Static/ Onffice One: Meter Prover Pressure Differential Flowing Property (Inches) psig Inches H ₂ 0 Shut-In Flow FLOW STREAM ATTRIBUTES Pump Unit or Traveling Plunger? Yes / No YES Nitrogen Gas Gravity - G. (Meter Run) (Prover) Size (Meter Run) (Prover)	Type Combletion (Describe) SINGLE Gas Pump Unit or Traveling Plunder? Yes / No YES	Tubing Siz	е	· ·	Internal Diameter Se								Perforations	s To)	
SINGLE Gas PUMP YES	SINGLE Gas PUMP YES								4	337						
Producing Thru (Annulus/Tubing)	Pressure Buildup: Shut In			scribe)												
Vertical Depth (H)	Vertical Depth (H)					9/ 0						O/ Klides				
Vertical Depth (H)	Vertical Depth (H)	Producing		lius/ i ubing)		%C	arbon Dioxide	9				70 INIU	усп	(si	as Caraviiv - Ca.	
Pressure Buildup: Shut In	Pressure Buildup: Shut In 11/18 20 12 at 11:00 (AMN/PM) Taken 11/19 20 12 at 11:00 (AMN/PM) (AMN/PM) Taken 20	Vertical De						Pressu	re Taps				·	(Meter	Run) (Prover) Size	
Well on line: Started 20at(AM)(PM) Taken20at(AM)(PM) OBSERVED SURFACE DATA			•						-					·		
Well on line: Started 20at(AM)(PM) Taken20at(AM)(PM) OBSERVED SURFACE DATA		Proceura P	Suildus:	Shut In	11/18	R	20 12 at			\/DM\	Taken	11/1	9 20	12 at 11:00) (AM)(PM)	
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Property (Inches) psig Inches H ₂ 0 t t psig psia psig psia Shut-In Flow Flowing Temperature Factor	Property (Inches) psig Inches H ₂ 0 t t psig psia psia psig psia 116.0 130.4 pump 24.00	Static/	Orifice	Meter Dif Prover Pressure			Flowing	Well H	lead	Wellhead Pressure		Wellhead Pressure		Duration	Liquid Produced	
Shut-In Flow Flow Flow Flow STREAM ATTRIBUTES Flowing Temperature Factor F	Shut-in 116.0 130.4 pump	1 *							ature _					(Hours)	1	
Flow STREAM ATTRIBUTES Plate Coefficient (F _b)(Fp) Prover Pressure Mefed psia VP _m x H _w Flow STREAM ATTRIBUTES Gravity Flowing Temperature Deviation Retered Flow GOR Flowing Factor Factor Factor Factor Return (Cubic Feet) Fluid Gravity Fluid Gravity	Flow STREAM ATTRIBUTES Plate Coefficient (F ₃)(F)P) Moter or Prover Pressure Psia Pm x Hw Pm x	- 		psig	psig Inche		<u>t</u>	<u> </u>		psig			psia		 	
FLOW STREAM ATTRIBUTES Plate Coefficient Meter or Extension Factor Fact	FLOW STREAM ATTRIBUTES Plate Coefficient (F ₀)(F) Meter or Prover Pressure psia (P _m x H _w F ₀ F ₀	Shut-In			l.					116.0	130.4	pump		24.00		
Plate Circle one: Press. Gravity Flowing Coefficient Meter or Extension Factor	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Flow														
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Mcfd psia P _m X H _w F _n (Mcfd) Barrel) Gravity	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Coefficie						T	•			R		(Cubic Feet/		
	$(P_c)^2 = (P_w)^2 = P_d^2 \qquad (P_c - 14.4) + 14.4 = P_c^2 - P_w^2$ $(P_c)^2 - (P_w)^2 \qquad P_c^2 - P_w^2$	1 (20) (1)			J _{Pm}	x H _w	F g							1 ,	Gravity	
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	$ (P_c)^2 = $						(OPEN FLO	OW) (DE	LIVER	ABILITY)	CALCULA	TIONS			0.207	
_	(P _c) ² - (P _w) ² $ \frac{P_c^2 - P_a^2}{(P_c)^2 - (P_w)^2} = \frac{P_c^2 - P_a^2}{(P_c)^2 - (P_w)^2} = \frac{1.0G \text{ of formula 1. or 2. and divide by}}{1. \text{ or 2. and divide by}} = \frac{P_c^2 - P_w^2}{1. \text{ or 2. and divide by}} = \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} = \frac{P_c^2 - P_w^2}{P_c^$				•	_			,	5 440					≘ 0.207	
$(P_c)^2 = (P_w)^2 = \vdots P_d = $	Code					Pd=	-%	- 1 - (P _c - 14.4)	; - 14.4) + 14.4 = 		 :	(P _n)*			
	Compared to the compared to	(P _e) ² - (P	₂) ² (1	2)2 - (P _w)2					В	Slope = "n"					Deliverability	
LOG of Slope = "n" n x LOG Antilog Deliverability	1. or 2. and divide Standard Slope (Mcfd)		_					n 2 n 2	Ш			nxLOG		Antilog		
1. or 2. Assianed (Mcfd)	by by			(P _o) ²		- (P _w)-	1. or 2.	T _C - P _W	11	Assigned		1				
									4	Standard Slope		"		4		
	Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia				 		<u> </u>		+							
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Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia																
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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 the facts	stated therein, and that said report is true and correct. Executed this the	stated the	rein, and th	at said repo	nt is true a	ano corre	CT. EXECUTED	inis the	-	2011	day or) I) U	<u> </u>	<u> ZUIZ</u>	
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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 the facts stated therein, and that said report is true and correct. Executed this the 20th Rovember 2012	L.K. Kurtarel			VVii	iness (if an	у)							roi Com	ipony		
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 the facts	Witness (if any) For Company	-	<u> </u>	For	Commission	on			_				Checke	ed by		
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 the facts	1 Le Lui Mirah			Wit	ness (if an	y)		 -			~ · · · · · ·	- 1-	For Com	pany		
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 the facts stated therein, and that said report is true and correct. Executed this the 20th Rovember 2012	Witness (if any) Witness (if any)								_						·	
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 the facts stated therein, and that said report is true and correct. Executed this the 20th Rovember 2012	Witness (if any) For Company	For Commission							_	Checked by						

<i>*</i>	
	lare under penalty of perjury under the laws of the State of Kansas that I am authorized to request
•	under Rule K.A.R. 82-3-304 on behalf of the operator LINN OPERATING, INC.
	egoing information and statements contained in this application form are true and
correct to the b	est of my knowledge and belief based upon available production summaries and lease records
of equipment in	stallation and/or upon type of completion or upon use being made of the gas well herein named.
I her	eby request a one-year exemption from open flow J TJADEN F 4
esting for the g	as 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.
X	is not capable of producing at a daily rate in excess of 250 mcf/D
	to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
Date:	11/20/2012
	Signature: L. Huchaul
	Title: Regulatory Specialist

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 measued 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 from 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. it was a verified report of test results.