## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Running Foxes County Leavenworth Field Completion Date 11/15/87 Casing Size 4 1/2" Tubing Size Type Completion Gas Producing Thru (Casing Vertical Depth(H) 1356 Pressure Buildup:	Petroleum Locati SWNES  Weigh 9.5# Weigh (Describe)  Annulus / Tubing	t t		Total Dept ameter ameter Production	Set a 1412 Set a	nt ,	RNG (E/ 22E Gas Gat COG T Packer S  Perfo 135: Perfo	hering Conn ransmission let at rations 3 rations	ection Corporation  To 1356 To	Well Number  Acres Attributed 40  REC  DEC 2  KCC W(  / No  avity - G <sub>g</sub>
Company Running Foxes County Leavenworth Field Completion Date 11/15/87 Casing Size 4 1/2" Tubing Size Type Completion Gas Producing Thru (ACasing Vertical Depth(H) 1356 Pressure Buildup:	Petroleum  Locati SWNES  Weigh 9.5#  Weigh  (Describe)  Annulus / Tubing	on SW	Section 20 Reservoir Burgess Plug Back 1412 Internal Did Type Fluid Nil % Ca	Total Dept ameter ameter Production	J. Heim TWP 8S  h Set a 1412 Set a	nt ,	RNG (E/ 22E Gas Gat COG T Packer S  Perfo 135: Perfo	W) hering Connransmission set at rations arations it or Traveling	ection Corporation  To 1356 To	Acres Attributed 40  REC  DEC 2  KCC WIO
Completion Date 11/15/87 Casing Size 4 1/2" Tubing Size Type Completion Gas Producing Thru (ACasing Vertical Depth(H)	Weigh 9.5# Weigh (Describe)  Annulus / Tubing	t t	Plug Back 1412 Internal Dia Type Fluid Nil	ameter ameter Production	J. Heim TWP 8S  h Set a 1412 Set a	nt ,	22E Gas Gat COG T Packer S Perfo 135: Perfo Pump Ur No	hering Conn ransmission let at rations 3 rations	ection Corporation To 1356 To	Acres Attributed 40  REC  DEC 2  KCC WIO
Leavenworth Field  Completion Date 11/15/87  Casing Size 4 1/2"  Tubing Size  Type Completion Gas  Producing Thru (Casing Vertical Depth(H) 1356  Pressure Buildup:	Weigh 9.5# Weigh (Describe) Annulus / Tubing	t t	Plug Back 1412 Internal Dia Type Fluid Nil	ameter ameter Production	8S h Set a 1412 Set a	2	22E Gas Gat COG T Packer S Perfo 135: Perfo Pump Ur No	hering Conn ransmission let at rations 3 rations	ection Corporation To 1356 To	ACC WIC
Completion Date 11/15/87 Casing Size 4 1/2" Tubing Size Type Completion Gas Producing Thru (ACasing Vertical Depth(H) 1356 Pressure Buildup:	Weigh 9.5# Weigh (Describe) Annulus / Tubing	t	Burgess Plug Back 1412 Internal Dia Internal Dia Type Fluid Nil % Ca	ameter ameter Production	Set a 1412 Set a	2	Perfo Pump Ur No	ransmission set at rations 3 rations without or Traveling	To 1356 To 2 Plunger? Yes	/ No
11/15/87 Casing Size 4 1/2" Tubing Size Type Completion Gas Producing Thru (ACasing Vertical Depth(H) 1356 Pressure Buildup:	Weigh 9.5# Weigh (Describe) Annulus / Tubing	t	1412 Internal Dia Internal Dia Type Fluid Nil % Ca	ameter ameter Production	Set a 1412 Set a	2	Perfo 135 Perfo Pump Ur No	rations 3 rations alt or Traveling	To Plunger? Yes	/ No
4 1/2" Tubing Size  Type Completion Gas  Producing Thru (Casing Vertical Depth(H) 1356  Pressure Buildup:	9.5# Weigh (Describe)  Annulus / Tubing : Shut in 12/	t	Type Fluid Nil % Ca	ameter Production	1412 Set a	2	Pump Ur No	3 rations nit or Traveling	To Plunger? Yes	/ No
Type Completion Gas Producing Thru ( Casing Vertical Depth(H) 1356 Pressure Buildup:	(Describe)  Annulus / Tubing  : Shut in 12/	g)	Type Fluid Nil % Ca	Production	n de	at	Pump Ur No	nit or Traveling	g Plunger? Yes	/ No
Gas Producing Thru (A Casing Vertical Depth(H) 1356 Pressure Buildup:	Annulus / Tubing		Nil % Ca	irbon Dioxid	de	. ,	No			/ No
Casing Vertical Depth(H) 1356 Pressure Buildup:	: Shut in 12/						% Nitrog	en	Gas Gr	avity - G <sub>g</sub>
Vertical Depth(H) 1356 Pressure Buildup:	: Shut in	1 20		Press			% Nitrogen			
Pressure Buildup:		1 20		Pressure Taps			(Meter Run) (Prove			Run) (Prover) Size
Well on Line:			12 at 9:1	15 am	(AM) (PM)	Taken_12	2/2	20	12 at 9:30 at	m (AM) (PM)
		20	) at		(AM) (PM)	Taken		20	at	(AM) (PM)
				OBSERVE	D SURFACI	E DATA			Duration of Shut-	inHou
Dynamic Size	Orlfice Size (inches)  Orlfice  Meter Prover Pressure psig (Pm)  Pressure Differential In Inches H <sub>2</sub> 0		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration Liq (Hours)	Liquid Produced (Barrels)
Shut-In					psig 35	psia	psig	psia	24+	
Flow										
·			F	FLOW STR	EAM ATTR	IBUTES			,	
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension √ P <sub>m</sub> x h	Gravity Factor F <sub>0</sub>	' 1 T	Flowing Temperature Factor F <sub>tt</sub>		iation ctor : pv	Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
D \2 _	: (P <sub>w</sub> ) <sup>2</sup> =		(OPEN FLO							<sup>2</sup> = 0.207
$\frac{(P_c)^2 = {(P_c)^2 - (P_a)^2}}{\text{or}}$ $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_d)^2}$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	P <sub>d</sub> =	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Slop Ass	ssure Curve be = "n" orsigned	n x I	.og	(P <sub>d</sub> ):	Open Flow Deliverability Equals R x Antilog
		divided by: $P_c^2 - P_w^2$	Бу:		Standa	ard Slope				(Mcfd)
										·
Open Flow Mcfd @ 14.65 psia					Deliverability Mcfd @ 14.65 psia					
The undersig					-	_		e above repo	ort and that he ha	s knowledge of
	Witness (i	fany)	:		_			For	Company	
	For Comm	ission						Che	cked by	

## DEC 2 0 2012

## KCC WICHITA

	NOC WICHIA
I declare under penalty of perjury under the laws of the state of Kansas	•
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Running	Foxes Petroleum, Inc
and that the foregoing pressure information and statements contained on t	his application form are true and
correct to the best of my knowledge and belief based upon available producti	on summaries and lease records
of equipment installation and/or upon type of completion or upon use being ma I hereby request a one-year exemption from open flow testing for the	<del>-</del>
·	
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 FR
is on vacuum at the present time; KCC approval Docket No	
is not capable of producing at a daily rate in excess of 25	
is not capable of producing at a daily rate in excess of 25	o meno
I further agree to supply to the best of my ability any and all supporting o	tocuments deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	/ Commission
stan as necessary to corroborate this claim for exemption from testing.	
Date: December 15, 2012	. •
Signature:	/euro
Signature.	- 1
Title: V. C of E	-ngineering
·	•
•	

## 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.