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

Type Test:						(See Instructions on Reverse Side)												
✓ Open Flow						Test Date:					۸۵	No. 15						
Deliverabilty					05/31/2014					033	140. 15 3-1 <del>30</del> %	21,36	07-0	000				
Company COMANCHE RESOURCES COMPANY								Lease LILLIAN						Well Number 16-1				
County Location COMANCHE SW SE SE					Section 16			TWP 32S		RNG (E/W) 19W				Acres Attributed 640				
Field BIRD EAST					Reservoir MISSISSIPPI			Gas Gathering ( ENOGEX			Conn	ection						
Completion Date 04/26/2012				Plug Bac N/A	k Total D	ept	h Packe 5068			cker Set at 065'				_	· <u> </u>			
Casing Size Weight 5 1/2" 17#					Internal Diameter			Set at 5932		Perforations 5151-56', 5460-6				т <sub>о</sub> 68' 5214' - 23'				
Tubing Size Weight 2 3/8" 4.78#					Internal Diameter			Set at 5065		Perforations				То				
Type Completion (Describe) GAS					Type Fluid Production			า		Pump Unit or Traveling Plung PLUNGER				nger? Yes / No				
Producing Thru (Annulus / Tubing)					% (	% Carbon Dioxid			% Nitro			rogen G				Gas Gravity - G <sub>g</sub>		
Vertical E	Depth(F	1)					P	ress	sure Taps		_				(Meter	Run) (P	rover) Size	
Pressure Buildup: Shut in 5/31 20 14 at 9:00 AM (AM) (PM) Taken 6/01								01		20	14 a	9:00 A	M	(AM) (PM)				
Well on Line: Started				2	0 at	at		(AM) (PM) Taken_		20		at			(AM) (PM)			
			<u> </u>	_			OBSER	VE	D SURFACE	DATA				Durati	on of Shut	. <sub>in_</sub> 24	Hours	
Static / Orifice Dynamic Size Property (inches		9 Prover Pressure		Diffe	ssure rential in	Flowing Temperature		rature Wellhead P		essnie	essure Wellhe		Tubing ead Pressure or (P,) or (Pe)		Duration (Hours)		Liquid Produced (Barrels)	
				,	s H <sub>2</sub> 0	t	1			psia psig		psia						
Shut-In Flow	Flow		_				<del> </del> -	-			180#	+ + + + + 22		24	24			
			<u> </u>				FLOW S	TR	EAM ATTRIE	UTES	<u> </u>			<u> </u>		ــــــــــــــــــــــــــــــــــــــ		
Plate		_	Circle one:	Pro	ess	Grav			Flowing	Γ	ation	Motoro	d Flori		GOR		Flowing	
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> )		Meter or Prover Pressure			Extension		tor	Temperature Factor		Deviation Factor		Metered Flow R		*	(Cubic Fee		et/ Fluid Gravity	
Mcfd		psia		<b> </b>	√ P <sub>m</sub> x h		9	F,,		F <sub>pv</sub>		(Mcfd)		_	Barrel)		G <sub>m</sub>	
				I	-	(OPEN FL	OW) (DEI	LIVE	ERABILITY)	CALCUL	ATIONS				(P)	<sup>2</sup> = 0.2		
(P <sub>c</sub> ) <sup>2</sup> =		<u>=:</u> _	(P <sub>w</sub> ) <sup>2</sup> =		<u>-:</u>	P,=		%	6 (Р <sub>с</sub>	- 14.4) +	14.4 =	_==	:		(P <sub>a</sub> )		<del></del>	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>		LOG of formula			Backpressure Curve Stope = "n"		n x	.00			Antilog		Open Flow Deliverability	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		ď		C	2. $P_c^2 - P_d^2$ fivided by: $P_c^2 - P_w^2$		P.2 - P.2	Assigr Standard		ned	∍d				Andog		Equals R x Antilog (Mcfd)	
													_					
2 5						25	· <del></del>		D-10		<u> </u>					<u> </u>	<u></u>	
Open Flov						65 psia			Deliverabili						14.65 ps			
		-	n, and that s			• •	t. Execut	teď		<b>L</b>		ECEME	•	nt and	that ne na		20 <u>14</u>	
		•				KANSAS CO	Receiv ORPORATIO		OMMISSION	Con	ran	che	_ 1/6	Les	OUN	(2)	Co.	
			Witness (			DE	EC 24	_ 2	014	C	CUM	ic	Force	Company	es			
			For Comm	nission			ERVATION WICHITA,				-		Chec	cked by				

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Comanche Resources Company</u> 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 Lillian #16-1
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 Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 10/21/2014
Received  WANSAS CORPORATION COMMISSION  DEC 2 4 2014 Signature: Conservation division  Wichita, ks Title: ENGINEERING/PRODUCTION ANALYST

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.