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

Type Test:	•					(See Instru	ctions on Re	verse Side,	,					
_	en Flov	N			·				_	~	3.200	· OPC	-00-0	
_	iverabi				Test Date		API No. 15 - 023 - 200				, ,			
L 00		iii y										Well Number	<del></del>	
Company				T			Lease Uark	rine		•	L-29			
	Pr	oa.	uction, Inc		Section		TWP	<u>Harkins</u>		W)	. Acres Attributed		ed .	
County Cheyenne			C-NW		29			4S		J				
ield	ime	:	C-N	Q - 14 M		Reservoir		Gas Gathering Cor			tion			
Benkelman					Niobrara					(N	<u> </u>			
Completio					Plug Back Total Dept		th			et at				
8/77		*			Ū									
Casing Size			Weight		Internal Diameter		Set a	Set at		rations	То			
4.5			- -				1392'		<u> 1217'</u>		<u> 1237'</u>			
Tubing Size Weight					Internal D	Diameter	Set	Set at		rations	То	То		
										·	Olympia You	-No		
ype Com	pletion	(De	scribe)		Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No					
Single Gas									% Nitrogen Gas Gravity - G					
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				78 Milliogen					
Casing											(Meter F	Run) (Prover)	Size	
Vertical Depth(H) Pressure Taps (Meter Hun) (Prover)														
												<del> </del>		
Prageiira	Builder	o: <sup>s</sup>	Shut in7	/619	99 at _8	8:00	_ (XX) (PM)	Taken	7/	7 19	99 at 8:00	X <b>X</b> M) (	PM)	
Pressure Buildup:       Shut in														
Vell on Li	ne:	S	itarted	19	at		_ (AM) (PM)	iaken				,		
						000501	ED CUDEAC	E DATA			Duration of Shut-	in	Hours	
				<del>1</del>		OBSERV	ED SURFAC			Tubino	Buration of cites	<u>"                                    </u>		
Static /	Orific	i <i>meter</i> or		Pressure Differential in (h) Inches H <sub>2</sub> 0	Flowing	Well Head	Wallbook	sing I Pressure	Tubing Wellhead Pressure		Duration	Liquid Produ		
Dynamic	Size				Temperature t	Temperatur	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		$(P_w)$ or $(P_t)$ or $(P_c)$		(Hours)	(Barrels)		
Property	inche						psig	psia	psig psia			<del> </del>		
Shut-In							121	1				İ .		
								-	ļ					
Flow									<u> </u>					
						FLOW ST	REAM ATT	RIBUTES					<del></del>	
Diete			Circle one:	Brees			Flowing	Day	viation	Metered Flov	GOR		wing	
Plate Coeffiecient		Meter or		Press Extension		Gravity Factor			actor R		(Cubic Fe	ev Gr	uid Lvity	
(F <sub>b</sub> ) (F <sub>p</sub> )		Prover Pressure		√P <sub>e</sub> xH <sub>e</sub>	F		Factor F <sub>11</sub>		F <sub>pv</sub> (Mcfd)		Barrel)		3	
Mcfd		psia					'11				<del></del>			
					(OBEN E)	טאי יטבו י	VERABILITY	() CALCIII	ATIONS		(5.)	² = 0.207		
					•						(P <sub>a</sub> ) (P <sub>d</sub> )			
(P <sub>c</sub> )² =		: (P <sub>w</sub> ) <sup>2</sup> =		<u> </u>	: P <sub>a</sub> =		% (P <sub>c</sub> - 14.4)				ره ۲۰		<del>-</del>	
(0.12.40.12		/0		1 D 2 D 2	LOG of	$\Gamma$ $\neg$	Backpressure Cu		1			Open Flow Deliverability		
(P <sub>c</sub> ) <sup>2</sup> • (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> )² - (P <sub>m</sub> )²		1. P <sub>e</sub> <sup>2</sup> · P <sub>a</sub> <sup>2</sup>	formula		I I	Slope = "n"		-0G	Antilog	Equals R x Antilog		
(P <sub>c</sub> )2 • (P <sub>d</sub> )2		1		2. P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup>	and divide	1. or 2. and divide p2. p2		Assigned Standard Slope		L J		Mcfd		
			div	rided by: Pc2 - Pu	by:	<u> </u>	Stan	uaru Siope						
			1											
	$\dashv$				1									
									l		RECEIVED			
Open Flow Mcfd @ 14.65 psia						Deliverability Metal COMMISSION								
		oned	authority on h	ehalf of the C	ompany, sta	ates that he	is duly autho	orized to m	ake the at	ove report and	that he has know	yledge of the	iacts	
		_					2.	3 1 day c		cember	DEC	2 8 1953	9	
lated ther	ein, an	d tha	at said report is	true and corre	ect. Execut	ed this the		day c	DI - 7/	0	1) =1			
									1/0 Kg	11/ 1		ation Division	on	
			Witness (if a	any)		<del></del>			7000	For	Company Wicinit	<del>a, Kansas</del>		
				••				(	/				<del></del>	
			F 0					<u>`</u>		Che	cked by			

I declare under penalty or 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>Lobo PRoduction</u> , <u>Inc.</u> and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.  I hereby request a permanent exemption from open flow testing for the <u>Harkins 1-29</u> gas well on the grounds that said well:
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 incapable of producing at a daily rate in excess of 150 mcf/D    Date: 12/23/99
Signature: <u>flu fader</u> Title: <u>Owner/Operator</u>

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.