KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruct	tions on Rev	erse Side)					
Open Flow														
✓ Deliverability			Test Date: 10/21/2013				AP! No. 15 181-20268 - 0000							
Company		 DU(CTION, IN				Lease ARMS1	rong	<u> </u>			Well Nu	ımber	
County Location SHERMAN SW SW NW			Section 12		TWP 8S			(W)	Acres Attributed					
Field GOOD	LAND) G.	AS FIELD		Reservoir NIOBF					thering Conn	ection CTION, INC.			
Completion 11 / 13)			Plug Bac 1231'	k Total Dept	th	W-	Packer	Set at				
Casing S 4.5	ize		Weigh	l	Internal [Diameter	Set at 1301		Perfo	rations 3'	то 1190'			
Tubing S	ize		Weigh	t	Internal [Diameter	Set at	t	Perfo	rations	То			
Type Cor			escribe)		Type Flui	d Production	1		Pump U	nit or Traveling	Plunger? Yes	/ No		
Producing	g Thru	(Anı	nulus / Tubing))	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr .5877		G,	
Vertical D)				Pres	sure Taps					Run) (P	rover) Size	
Pressure):	Shut in	21 2	13 at 0	900	(AM) (PM)	Taken 10)/22	20	13 _{at} 0945		(AM) (PM)	
Well on L	.ine:		Started								at		, ,, ,	
						0000000						24.	75	
			Circle one:	Pressure		OBSERVE	D SURFACE		· .	Tubing	Duration of Shut-	in	Hours	
Static / Orifice		Meter	Differential	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure		Wellhead Pressure		Duration	Liqui	d Produced		
Property	(inche		Prover Pressu psig (Pm)	re in Inches H ₂ 0	t	t	(P _w) or (P _t		- "	r (P,) or (P _c)	(Hours)	(Barrels)	
Shut-In			F-3 (,	110100 1120			psig	psia	psig	psia		 -		
Silutin					ļ. <u>-</u>		16					<u> </u>	· - ··	
Flow			<u> </u>						<u></u>					
						FLOW STR	EAM ATTRI	BUTES		_				
Plate			Circle one:	Press	Grav	rity	Flowing	Dev	iation	Metered Flor	w GOR		Flowing	
Coeffiecient (F _b) (F _p)		Meter or Prover Pressure		Extension	Fact	tor	emperature Factor	Factor		R	(Cubic Fe	et/	Fluid Gravity	
Mefd			psia	P _m x h	F,	·	F _{f1}	F	pv .	(Mcfd)	Barrel)		G _m	
				٠.										
L				<u> </u>	(ODEN EL	OW OF U	ERABILITY)	041011						
(P)2			(P _w) ² =		•	, ,	•	_ 14.4) +				² = 0.2	07	
(P _c) ² =		_ :	····	Choose formula 1 or 2	P _d =		· T	•		·	(P _d):	T =	 -	
'(P _o)² - (P _a)²		$(P_a)^2 \cdot (P_w)^2$		1. P _c - P _a 2	LOG of formuta			ssure Curve e = "n"		LOG			Open Flow	
or $(P_a)^2 \cdot (P_d)^2$]		2. P _c ² -P _d ²	1. or 2. and divide			orsigned			Antilog		Deliverability Equals R x Antilog	
(, ,	a'		1	livided by: Pc2 - Pw	2 by:	P _c ² · P _w ²		rd Slope		_ L 'J			(Mcfd)	
	-													
							<u> </u>							
					<u> </u>		<u> </u>						<u></u> .	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 psi	a		
The (undersi	gnec	authority, on	behalf of the	Company, s	tates that he	e is duly aut	horized to	make th	e above repo	rt and that he ha	s know	ledge of	
the facts s	tated th	erei	n, and that sa	id report is true	and correc	t. Executed	this the 1st	t "	dayof D	ecembe	1		20 13 .	
		- *	· · · · · · · ·	- p - 1			WICH		77		Wi.		- v	
			Witness (if	any)			- TIOI1	''''///	uro	un vi	· / / / / / /	W-		
			AAITIG22 (II	carry,		DEC	0 4 2044	1		For C	Сотрапу			

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	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
	·
	der Rule K.A.R. 82-3-304 on behalf of the operator LOBO PRODUCTION, INC.
	going pressure information and statements contained on this application form are true and
	t of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the ARMSTRONG 12-A
gas well on the g	rounds that said well:
(Checi	·
	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 agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessai	y to corroborate this claim for exemption from testing.
- 40/04/204	
Date: 12/01/201	<u> </u>
	Signature: Buland A. Miller
	Title: OWNER/OPERATOR
	- MO:

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.