KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		O.1		(See Instruct	ions on Rev	erse Side,)				
✓ Open Flow✓ Deliverabilty					Test Date: 10/21/2013				APł No. 15 181-20343-0000				
Company LOBO PRODUCTION, INC.				Lease ARMSTRONO			RONG	1		2-1A	Well Number		
County Location SHERMAN SE NE NE				Section 1		TWP 8S		RNG (E/W) 40W		Acres Attributed			
Field GOODLAND GAS FIELD				Reservoir NIOBRARA			Gas Gathering Co. LOBO PRODU						
Completion Date 4-14-04			Plug Back Total Depti 1294'		Packer Set at		Set at						
Casing Size 4 1/2"				Weight 11.60#/13.50		Internal Diameter		Set at 1323'		rations 6'	то 1242 '	· · · · · ·	
Tubing Size Weight				Internal Diameter		Set at		Perfo	rations	То			
Type Con			escribe)		Type Flui	d Production	1	-	Pump Ui	nit or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) ANNULUS			% C	arbon Dioxi	de		% Nitrogen		Gas Gravity - G _g .5877				
Vertical D		l)				Press	sure Taps					Run) (Prover) Size	
Pressure	Buildu	p:	Shut in 10/2	21 2	0_13 at_0	700	(AM) (PM)	Taken_10	/22	20	13 _{at} 0930	(AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 26.5 Hours	
Static / Orifice Dynamic Size Property (inches)		θ	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P) or (P_t) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							psig 12	psia	psig	psia			
Flow													
						FLOW STR	EAM ATTRI	BUTES				··············	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Gravity Factor F		Flowing Devia Factor F ₁₁		ctor R		w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
	t		····		(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(D)	······································	
(P _c) ² =		_:	(P _w) ² =_	:	P _d =	9	6 (P	- 14.4) +	14.4 =	:	(P _a)	² = 0.207 ² =	
(P _c) ² - (i		(F	(P _w) ² - (P _w) ²	thoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide	P _c ² · P _w ²	Slope	sure Curve e = "n" or igned rd Slope	nx	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
									-				
Open Flo	w			Mcfd @ 14.	65 psia	 -	Deliverabil	ity			Mcfd @ 14.65 psi	a	
The	undersi	igned	d authority, on			tates that h		horized to			ort and that he ha		
the facts s	tated ti	nerei	n, and that sai	d report is true	and correc				, ,	ecember	1 mi	, 20 13	
			Witness (if	any)		KUU	WICH	H / //	ura	For	company	<i>w</i> ~	

DEC 04 2013

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator LOBO PRODUCTION, INC.
and that th correct to the of equipme	the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records and installation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the ARMSTRONG 2-1A of the grounds that said well:
l furthe	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date: 12/0	
	Signature: Buland A. Mille: OWNER/OPERATOR

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.