Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:					(See Instruc	ctions on Re	everse Side)				
Open F	low											
Deliverabilty			Test Date	θ:		15-023-20031-00-00						
	· -··· · - · -·· - ··					Lease	1500	<u>жэ.</u>			Well Number	
Company	Product	ion	Inc)'Brie	n		1-31	Well Mulliper	
Lobo Production, Inc. County Location			Section				RNG (E	:/W)		Acres Attributed		
County Location Cheyenne NW 1/4		31		45			J					
Field	-			Reservoi	r			Gas Ga	thering Conne	ction		
			iobrai	ca		KN						
Completion Da				Plug Bac	k Total Dept			Packer	Set at			
11/30		<u> </u>				73 '				·		
Casing Size Weight			Internal [Diameter	Set at		Perf	orations	То			
4.5 9.5#			Internal Diameter		Set et		Poet	orations	То			
Tubing Size Weight			internal L	Jiameter	261	Set at		Diations	10			
vne Completi	on (Describe)			Type Flui	d Production	·		Pump U	nit or Traveling	Plunger? Yes /	No.	
	· · · · · · · · · · · · · · · · · · ·			1,400 1 101		•				,		
Single Gas Producing Thru (Annulus / Tubing)			% Carbon Dioxide			% Nitrogen			Gas Gravity - G _g			
Casing										- 6	.602	
Vertical Depth(H)				Pressure Taps						(Meter F	Run) (Prover) Size	
										2" Pr	over	
5 34	05.41	7	/6 40	99 8	• 00	XXIII (DIII)	Tokon	7/	7 10	99at 8:00	YAYA) (PM)	
ressure Build	•											
ell on Line:	Started		19	at		(AM) (PM)	Taken		19	at	(AM) (PM)	
•					·		•					
· · · · · ·			·		OBSERVE	D SURFAC	E DATA			Duration of Shut-	in Hour	
Static / Or	itica	Circle one: Meter or Prover Pressure psig Pressure Differential in (h) Inches H ₂ 0		Flowing Well Head Temperature t t		Casing Wellhead Pressure (Pw) or (Pt) or (Pc) psig psia		1	Tubing ad Pressure	Duration (Hours)	Liquid Produced (Barrels)	
	Ze Prover							1	r (Pt) or (Pc)			
operty inc	hes ps							psig	psia			
ihut-In					·	118						
_					· · · · · ·		-	h			-	
Flow												
					FLOW STR	EAM ATTR	IBUTES					
Plate Circle one: Press			Gravity _		Flowing Deviat		ation Metered Flow		GOR	Flowing		
Coeffiecient	1	Meter or Extension		Factor		Temperature F		actor R		(Cubic Fed	et/ Fluid Gravity	
(F _b) (F _p) Mcfd	psia	ure	√ P _m x H _w	F	,	Factor F ₁₁	F	ρv	(Mcfd)	Barrel)	G _m	
	,			_		- 11	 				- m	
				(OPEN FLO	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P.)4	= 0.207	
)² =	: (P	(_)2 =	:	P _d =	9	% (F	o _c - 14.4) +	14.4 =	<u>:</u>	(P _a) ²		
	1	Cho	ose formula 1 or 2:	T			ssure Curve	1	ر ٦ ا		Open Flow	
$(P_c)^2 - (P_a)^2$	(P _c) ² · (P _w)	(P _c) ² - (P _w) ²		1. P _c ² · P _s ² LOG of formula		Slope = "n"		n x	LOG	Antilog	Deliverability Equals R x Antilog	
or (P _c)² - (P _d)²			2. P _c ² - P _d ²	1. or 2. and divide		Assigned						
, e, , , q,		divid	ted by: Pc2 - Pw2	by:	P _c ² - P _w ²		ard Slope		r _		Mcfd	
		-		+		-		+				
						1						
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia						
-			h - 14 - 4 - 4 - 4		Ab 4 · · ·			٠. عاد ما		that he has B-5.	2.5.1 V.E.D	
The unders	igned authorit	y, on be	nair or the Co	mpany, stat	es that he is	duly author	rized to mai	ke ine ab	ove report and	ST. CORPOR	iede dyte lects NION COMMISSI	
	nd that said re					23	day of	Dec	ember /		, 1 9 99	
							(,	10	\mathcal{L}	DEC DEC	2 8 1999	
	L ARS	nace lit a-	w)			-	H	xw	- Aar	Company		
	Wit	ness (if an	77				(/		Fur C		vation Division	
						_	/_				ita Kansas	

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, 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>O'Brien 1-31</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. Is incapable of producing at a daily rate in excess of 150 mcf/D
Signature: Jaku Karlen Title: Owner/Operator

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.