15-181- 20226-00-00 KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:						(See Ins	truct	ions on Re	verse Side)							
Open Flow Deliverabilty						Test Date	:		API No. 15									
Company	luction	n .	Inc.			Lease Arms	trong	rong 1-2				Well Number						
Lobo Production, Inc. County Location Sherman C-NE-NE				Section 2			TWP 8S	RNG (E/W) 39W			. Acres Attributed							
Field					Reservoir				Gas Gathering Connection									
Goodland Completion Date					Niob: Plug Back		epth		KN Packer Set at									
5/25/82				1081 Internal Diameter			Set at Perforations				То							
Casing Size 4.5			weig	weight			Internal Diameter			1143'		980'			1000'			
Tubing Size Weight				Internal Diameter			Set at			Perforations			То					
Type Con	-					Type Flui	d Produc	tion			Pump	Unit or	Traveling	Plun	ger? Yes	No	*****	
Single Gas Producing Thru (Annulus / Tubing)					% Carbon	Dioxide			% Nitrogen			. Gas Gravity - G						
Vertical Depth(H)							Pro	essu	re Taps						0.6 (Meter Run) (Prover) Size			
			· · ·															
Pressure	Buildu				19												(AM) (PM)	
Well on Li	ine:	5	Started		19	at		_	(AM) (PM)	Taken			19		at		(AM) (PM)	
				-			OBSEF	IVE	SURFAC	E DATA				Dura	tion of Shut-	in	Hours	
Static / Dynamic Property	Orifice Size inches		Circle one: Meter of Prover Pressure		Pressure Differential in (h)	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure $(P_w) \text{ or } (P_1) \text{ or } (P_c)$		(P	Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Duration (Hours)		, .	Liquid Produced (Barrels)	
Shut-In		psig			Inches H ₂ 0		***·····		psig 20	psia	psi	i <u>9</u>	psia					
Flow							·											
						<u> </u>	FLOW S	l	EAM ATTR	IBUTES	L							
Plate Coefficient (F _o) (F _p) McId		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact √P _m x H _w F _e		tor Te		Flowing emperature Factor F ₁ ,	Fa	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G	
					<u> </u>	(OPEN FLO	OW) (DE	LIVE	RABILITY) CALCUL	ATION	s	·······-		(P_)	² = 0.2	207	
(P _c) ² =:			(P _w) ² =:			P _d =%			6 (P _c - 14.4) + 14			4.4 =:			(P _d) ² =			
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P _c) ² · (P _w) ²		1. P _c ² ·P _d ² 2. P _c ² ·P _d ² divided by: P _c ² ·P _w ²		LOG of formula 1. or 2. and divide	P.2. P.2		Backpressure Curve Slope = "n" or Assigned Standard Slope		1	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog Mcfd		
		•																
Open Flow Mcfd @ 14.65 psia								Deliverability			Mcfd @ 14.65 psia							
				t is tı	rue and corre					ized to ma			per V	that I	de s	DEC (COMPAGNAIS TOPPOS STION DIVISION A, Kansas	
		<u>.</u>	For Con	iaaimn	on			_	-		V		Che	cked by		yyıCill		

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 Lobo Production, Inc
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 installa-
tion 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 Armstrong 1-2
gas well on the grounds that said well:
gas won on the greenes was easier
(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
X is incapable of producing at a daily rate in excess of 150 mcf/D
Date: 12/23/99
·
Signature:
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.