KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST
(See Instructions on Reverse Side)

RECEIVED

MAR 0 7 2003

KCC WICHITA

Type Test:
- [ ] Open Flow
- [ ] Deliverabilty

Test Date: _____

API No. 15
181-20225-00-00

Well Number

Company	Lease
Lobo Production, Inc.	Armstrong 1-12

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Sherman	C-NW-NW	12	8S	39W	

Field	Reservoir	Gas Gathering Connection
Goodland	Niobrara	Lobo Production, Inc.

Completion Date	Plug Back Total Depth	Packer Set at
5/27/82	1031'	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5			1067'	930'	950'

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
Single Gas		

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
			0.6

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
		2" Meter Run

Pressure Buildup: Shut in _2/3/03_ 19 __ at _8:00_ (AM) (PM) Taken _2/4/03_ 19 __ at _8:00_ (AM) (PM)

Well on Line: Started ____ 19 __ at ____ (AM) (PM) Taken ____ 19 __ at ____ (AM) (PM)

OBSERVED SURFACE DATA
Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential In (h) Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						17					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times H_w}$	Gravity Factor F_g	Flowing Temperature Factor F_{ti}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_a

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = ____ : $(P_w)^2$ = ____ : P_d = ____ % $(P_c - 14.4) + 14.4$ = ____ :

$(P_d)^2$ = 0.207
$(P_d)^2$ = ____

$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$	$(P_c)^2 \cdot (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 \cdot P_w^2$	LOG of formula 1. or 2. and divide by: [$P_c^2 \cdot P_w^2$]	Backpressure Curve Slope = "n" ------- or ------- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd

Open Flow	Mcfd @ 14.65 psia	Deliverability	Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the __4th__ day of __March__ , 19_03_.

John Sanders
For Company

Witness (if any) _____

For Commission _____

Checked 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 __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 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 __Armstrong 1-12__ gas well on the grounds that said well:

(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. _____

☒ is incapable of producing at a daily rate in excess of ~~150~~ mcf/D
  250

Date: __3/4/03__

Signature: __John Sander__

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.