

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test: Open Flow Deliverability
 Test Date: API No. 15
181-20281-00-00

Company Lobo Production, Inc.		Lease Trachsel		Well Number 1	
County Sherman	Location NE/4	Section 5	TWP 8S	RNG (E/W) 39W	Acres Attributed
Field Goodland		Reservoir Niobrara		Gas Gathering Connection KN	
Completion Date 6/18/90		Plug Back Total Depth 950'		Packer Set at	
Casing Size 4.5	Weight	Internal Diameter	Set at	Perforations 998'	To 1055'
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) **Single gas** Type Fluid Production Pump Unit or Traveling Plunger? **Yes / No**
 Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G_p

Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size
 Pressure Buildup: Shut in 7/6 19 99 at 8:00 ~~XX~~ (AM) (PM) Taken 7/7 19 99 at 8:00 ~~XX~~ (AM) (PM)
 Well on Line: Started _____ 19 ____ at _____ (AM) (PM) Taken _____ 19 ____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						29					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _c) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_a = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
 (P_a)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _w) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: P _c ² - 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 contents stated therein, and that said report is true and correct. Executed this the 23 day of December 1999.

Witness (if any) _____ For Company **John Sanders** Conservation Division, Wichita, Kansas
 For Commission _____ Checked by _____

RECEIVED
ST. CHARLES COUNTY COMMISSION
DEC 28 1999

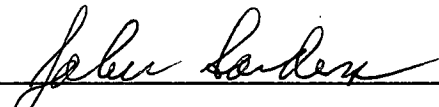
I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Lobo Production, Inc. and that the foregoing information and statements contained on this application form are true and correct to 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 Trachsel 1 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

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.

**MEASUREMENT
AUDITORS
COMPANY**

MARATHON OIL CO.
P.O. BOX 1155
LAMAR, COLORADO 81052

GAS CHROMATOGRAPH ANALYSIS

MAC CUST/STAT : 8498810027

CUST STAT NO :

CUST STAT NAME: TRACHSEL #1

SEC. 5 - TWP. 8S - RNGE 39W

FIELD :

COUNTY : SHERMAN

STATE : KANSAS

SAMPLING DATE : 10/15/91

SAMPLED BY : N/A

PRESSURE : N/A

FLOW TEMP : N/A

ACCOUNT CODE : 10000-3200-01145YYY01011

PRESSURE BASE : 14.730 DRY

SOURCE : N/A

ANALYZED BY : G. EDWARDS

DATE OF ANALYSIS : 10/24/91

RUN NUMBER : 103

COMPONENT	CURRENT MOLE %	GPM @ 14.730 D
OXYGEN	.00%	
NITROGEN	2.79%	
CO2	2.60%	
METHANE	93.43%	
ETHANE	.95%	.255
PROPANE	.17%	.048
I-BUTANE	.03%	.010
N-BUTANE	.03%	.010
I-PENTANE	.00%	0
N-PENTANE	.00%	0
HEXANES	.00%	0
HEPTANES +	.00%	0
HELIUM	N/A	
HYDROGEN	N/A	
H2S	N/A	
TOTAL	100.00%	.323

SPECIFIC GRAVITY .5986
GROSS BTU/CU. FT. @14.730 SAT 954.1
GROSS BTU/CU. FT. @14.730 DRY 971.0
GROSS BTU/CU. FT. @14.650 SAT 948.8
GROSS BTU/CU. FT. @14.650 DRY 965.7
Z FACTOR .9981