

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
4-20 & 21, 2005

API No. 15-155-01690-00-00

Company HERMAN L. LOEB		Lease BLOCKER		Well Number #1	
County RENO	Location C SW SE	Section 19	TWP 25S	RNG (E/W) 4W	Acres Attributed
Field FRIENDSHIP		Reservoir MISSISSIPPI		Gas Gathering Connection LUMEN ENERGY/AQUILA	
Completion Date 3-28-1963		Plug Back Total Depth 3592		Packer Set at NONE	
Casing Size 5.000	Weight 15.50	Internal Diameter 4.950	Set at 4250	Perforations 3569	To 3591
Tubing Size 2.375	Weight 4.70	Internal Diameter 1.995	Set at 3590	Perforations OPEN	To
Type Completion (Describe) SINGLE	Type Fluid Production GAS, WATER		Pump Unit or Traveling Plunger? Yes / No PUMPING		
Producing Thru (Annulus / Tubing) ANNULUS		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g	
Vertical Depth(H) 3580		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in 4-20-05 20 at _____ (AM) (PM) Taken 4-21-05 20 at _____ (AM) (PM)					
Well on Line: Started _____ 20 at _____ (AM) (PM) Taken _____ 20 at _____ (AM) (PM)					

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MAY 16 2005
KCC WICHITA

OBSERVED SURFACE DATA

Duration of Shut-in **24** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						170				24	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _a) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	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_o)² = _____ : (P_w)² = _____ : P_d = _____ % (P_o - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_o)² = _____

(P _o) ² - (P _w) ² or (P _o) ² - (P _d) ²	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_o^2 - P_w^2}{P_c^2 - P_w^2}$	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 facts stated therein, and that said report is true and correct. Executed this the **12TH** day of **MAY**, 20 **05**.

Witness (if any)

For Commission

Leslie H. Olkham

For Company

Checked by

I declare under penalty of 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 HERMAN L. LOEB and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the BLOCKER #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 not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 5-12-05

Signature: Leslie H. Oldham

Title: REP. HERMAN L. LOEB

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.

HERMAN L. LOEB



OPERATOR, PRODUCER, AND
INVESTMENTS

P.O. Box 524

LAWRENCEVILLE, ILLINOIS 62439

OFFICE TELEPHONE:
(618) 943-2227

FAX:
(618) 943-2227

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MAR 29 2010

KCC WICHITA

March 25, 2004

Jim Hemmen
Kansas Corporation Commission
Finney State Office Building
130 S Market, Room 2078
Wichita KS 67202-3802

Re: Les Oldham's Signature Authority for KCC Forms
on behalf of Herman L. Loeb

Dear Mr. Hemmen:

This letter is to notify the Kansas Corporation Commission that Les Oldham has been granted by Herman L. Loeb the authority to sign Kansas Corporation Commission forms on behalf of Herman L. Loeb.

Mr. Oldham's signature on any Kansas Corporation Commission forms will have the same effect as if Herman L. Loeb executed the forms and Herman L. Loeb will affirm the veracity of any information on any form submitted to the Kansas Corporation Commission and signed by Les Oldham.

Very truly yours,

HERMAN L. LOEB

HLL/dcl

cc: Les Oldham