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

Type Test:
[ ] Open Flow
[ ] Deliberability

Test Date: 6/18/13
API No. 15
151-22334-0000

Company
L.D.Drilling, Inc.

Location
SESE

Section
20

TWP
26S

RNG (E/W)
11W

County
Pratt

Field
Haynesville

Reservoir
Miss/Viola

Gas Gathering
Lumen

Connection

Completion Date
6/8/09

Plug Back Total Depth
4844

Packer Set at
none

Gasing Size
5.5

Weight
Internal Diameter
Set at
Perforations
To
4537
4070
4294

Tubing Size
2.375

Weight
Internal Diameter
Set at
Perforations
To
4042

Type Completion (Describe)
Commingle (Gas + Oil)

Type Fluid Production
Saltwater

Pump Unit or Traveling Plunger? Yes / No
yes - pumping unit

Producing Tool (Annulus / Tubing)
% Carbon Dioxide

% Nitrogen

Gas Gravity - G_g

annulus

Vertical Depth (H)

Pressure Taps
(Meter Run) (Prover) Size

Pressure Buildup:
Shut in 6/17 20 at 9:45 am
(AM) (PM) Taken 6/18 20 at 9:45 am
(AM) (PM)

Well on Line:
Started 20 at (AM) (PM) Taken 20 at (AM) (PM)

OBSERVED SURFACE DATA

Static / Dynamic Property
Orifice Size (inches)
Circle one:

Pressure Meter Prover Pressure psig (Ps)

Pressure Differential in inches H2O

Flowing Temperature t

Well Head Temperature t

Casing Wellhead Pressure

(T_s) = (P_t) = (P_e)

Tubing Wellhead Pressure

(T_e) = (P_e) or (P_s)

Duration

Duration

Liquid Produced

(Barrels)

Shut-in

Flow

Flowing Stream Attributes

Plate Coefficient (P_e) (Ps)

Circle one:

Motor or Prover Pressure psia

Press Extension

Gravity Factor F_t

Flowing Temperature Factor F_t

Deviation Factor F_d

Metered Flow Rate

GOR (Cubic Feet / Barrel)

Flowing Fluid Gravity G_f

OPEN FLOW (DELEVERABILITY) CALCULATIONS

(P_e) = (Ps) (Ps) = P_e (Ps) = 0.207

Choose formula 1 or 2:

LOG of formula

1. P_e, P_s:

2. P_s, P_e:

divided by:

P_e, P_s:

Backpressure Curve Slope n = "n"

Assinged Standard Slope

n x LOG

Antilog

Open Flow Deliverability Equals R x Antilog (McF)

Open Flow

McF @ 14.65 psia

Deliverability

McF @ 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 25th day of June 2013.

Witness (if any)

For Company

JUL 01 2013
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 L.D. Drilling, Inc. 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 Joanne 1-20 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: 6/25/13

Signature: [Signature]

Title: [Title]

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.