

~~15-007-90021-0000~~
KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

15-007-02455-00-02

Type Test:

- Open Flow
 Deliverability

Test Date:

API No. ~~15-007-90021-0000~~

Company Mull Drilling Company, Inc.		Lease Elsea B		Well Number 1	
County Barber	Location SE NE	Section 14	TWP 32S	RNG (EW) 14W	Acres Attributed
Field Palmer		Reservoir Lansing KC		Gas Gathering Connection Oneok Midstream Gas Supply	
Completion Date 5-8-64		Plug Back Total Depth 4150		Packer Set at	
Casing Size 5 1/2"	Weight 14#	Internal Diameter 5.012	Set at 4180	Perforations 4131-32, 4030-32, 32 (Slot)	To
Tubing Size 2"	Weight 4.7#	Internal Diameter 1.995	Set at 4137	Perforations	To
Type Completion (Describe) Single		Type Fluid Production Oil & Water		-Pump Unit or Traveling Plunger? Yes / NO	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 9-27-2011 at 12:10 (AM) (PM) Taken _____ 19 _____ at _____ (AM) (PM)

Well on Line: Started 9-28-2011 at 12:10 (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 ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						77				20	
Flow											

FLOW STREAM ATTRIBUTES								
Plate Coefficient (F _v) (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 _t	Deviation Factor F _{dv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _e) ² - (P _d) ² or (P _e) ² - (P _w) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _d ² 2. P _e ² - P _w ² divided by: P _e ² - P _w ²	LOG of formula 1. or 2. and divide by: [P _e ² - P _w ²]	Backpressure Curve Slope = "n" ----- 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 _____ day of 9-28, 19 2011

Witness (if any)

Mull Drilling Company
For Company

RECEIVED
OCT 05 2011

For Commission

Checked by

KCC WICHITA

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 Mull Drilling Company, 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 Elsa B #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: _____

Signature: Zim Hoos
 Title: Prod Foreman

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.