

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
09/23/2015

API No. 15
15-047-20,528 - 00-00

Company D.S. & W. Well Servicing, Inc.		Lease Welsch		Well Number #1	
County Edwards	Location N/2 S/2 NE/4	Section 27	TWP 25S	RNG (E/W) 17W	Acres Attributed 80
Field McCarty NE EXT		Reservoir Cherokee Sand		Gas Gathering Connection ONEOK	
Completion Date 07/16/1979		Plug Back Total Depth N/A		Packer Set at None	
Casing Size 4-1/2"	Weight N/A	Internal Diameter N/A	Set at 4488'	Perforations 4488'	To 4456'
Tubing Size 2-3/8"	Weight 4.7	Internal Diameter N/A	Set at 4473.98'	Perforations	To
Type Completion (Describe) Alt.		Type Fluid Production Brine		Pump Unit or Traveling Plunger? Yes / No Pump Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide .4061		% Nitrogen 3.994	
Gas Gravity - G _g N/A		Vertical Depth(H) N/A		Pressure Taps Approx. 50#	
				(Meter Run) (Prover) Size Meter Run	
Pressure Buildup: Shut in		Sept. 23 20 15 at 11:00		(AM) (PM) Taken Sept. 24 20 15 at 11:30 (AM) (PM)	
Well on Line: Started		_____ 20 _____ at _____		(AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)	

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						54#					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (P _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	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_e - 14.4) + 14.4 = _____ : (P_e)² = 0.207
(P_o)² = _____

(P _e) ² - (P _w) ² or (P _e) ² - (P _o) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _o 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: $P_o^2 - P_w^2$	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 9th day of October, 20 15.

Received
KANSAS CORPORATION COMMISSION

For Company

Witness (if any) _____ For Commission _____

OCT 15 2015

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 D.S. & W. Well Servicing, 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 Welsch 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: October 9, 2015

Received
KANSAS CORPORATION COMMISSION

OCT 15 2015

CONSERVATION DIVISION
WICHITA, KS

Signature: 

Title: Corporate Secretary-Treasurer

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.

D.S. & W. Well Servicing, Inc.
Last 12 Months Gas Sales
Welsch #1
API #15-047-20,528; Sec. 27-25S-17W

Month	Year	MCF Sold	Daily MCF
September	2014	300.00	10.00
October	2014	295.00	9.52
November	2014	283.00	9.43
December	2014	326.00	10.52
January	2015	322.00	10.39
February	2015	123.00	4.39
March	2015	340.00	10.97
April	2015	259.00	8.63
May	2015	298.00	9.61
June	2015	145.00	4.83
July	2015	338.00	10.90
August	2015	374.00	12.06
Totals		3,403.00	9.32

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KANSAS CORPORATION COMMISSION

OCT 15 2015

CONSERVATION DIVISION
WICHITA, KS