

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
9/25/14

API No. 15
007-10400 - 0800

Company Pickrell Drilling Company, Inc.		Lease Holmes SW		Well Number 1	
County Barber	Location C N/2 SW	Section 27	TWP 33S	RNG (E/W) 13W	Acres Attributed
Field Medicine Lodge		Reservoir Mississippi		Gas Gathering Connection Targa Pipeline Mid-Con.	
Completion Date 12/13/57		Plug Back Total Depth		Packer Set at	
Casing Size 5 1/2	Weight 15.5#	Internal Diameter 4.950	Set at 4697	Perforations 4608-4620 &	To 4630-4640
Tubing Size 2 3/8	Weight 4.7#	Internal Diameter 1.995	Set at 4651	Perforations Open Ended	To
Type Completion (Describe) Single		Type Fluid Production Water		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide 0.2654		% Nitrogen 1.2088	
Vertical Depth(H) 4624		Pressure Taps Flange		(Meter Run) (Prover) Size 2.00	
Pressure Buildup: Shut in 9/23		20	14	at 9:30	(AM) (PM) Taken 9/25
Well on Line: Started 9/25		20	14	at 9:30	(AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 48 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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 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	0.625					24		P		48	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _p) 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

$(P_c)^2 =$ _____ : $(P_w)^2 =$ _____ : $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____ : $(P_s)^2 = 0.207$
 $(P_d)^2 =$ _____

$(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	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 20th day of April, 2015.

Witness (if any) _____ **KCC** _____ For Company
 For Commission _____ **APR 22 2015** _____ Checked by _____

RECEIVED

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 Pickrell Drilling Company, 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 Holmes SW #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: 4/20/15

Signature: Jack Guley / JGM
Title: Engineer

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.

PICKRELL DRILLING COMPANY, INC
100 SOUTH MAIN - SUITE 505 - WICHITA, KANSAS 67202-3738

GAUGE AND PRODUCTION REPORT - GAS

Barber COUNTY

B. E. Holmes & I SW LEASE

Ks STATE FROM A.M. 9-18-2014 TO A.M. 9-25-2014 FIELD

TANK NUMBER	DATE 18			DATE 19			DATE 20			DATE 21			DATE 22			DATE 23			DATE 24			DATE 25		
	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS
	1	9 3/4								1	9 3/4					1	9 3/4					1	10	
STOCK A.M. TODAY																								
PLUS P/L RUNS YEST.																								
TOTAL																								
LESS STOCK YESTERDAY																								
PRODUCTION YESTERDAY																								

9/23
9/24
9/25

PIPE LINE RUNS AND/OR B. S. AND W. DRAWN OFF											HOURS PUMPED OR FLOWED PER DAY							EXPLAIN DOWN TIME AND DRAWOFFS AND MAKE OTHER REMARKS BELOW			
DATE	TICKET NUMBER	TANK NUMBER	FROM FT.	TO FT.	GROSS BARRELS	GVTY.	TEMP.	TANK % BSW	TANK TEMP.	WELL NO.	CHOKE SPM	TBG. PR. SL	CSG. PR. PLGR. D.	EST. BOPD	WATER %	EST. BWPD					
																24	24	0	0	24	

23rd + 24 Comp Drawn

9-25 35964

9-1 35499 MCF

	20	20	20	20	20	20	20	20	20
GAS WELL TUBING PRESSURE	20	20	20	20	20	20	20	20	20
CASING PRESSURE	16	16	16	16	16	18	18		
DIFFERENTIAL	5	5	5	5	5	0	0	5	
LINE PRESSURE	27	27	27	27	27	27	27	27	

See Holmes Gauge sheet showing SPCP 23#-24#

TOTAL GROSS RUNS THIS PERIOD	ALLOWABLE	SIZE METER RUN & ORIFICE: X 9/8	HEATER TEMP.:
GROSS RUNS PREVIOUS PERIODS	RUNS	AVG. DIFF. & LINE PRESS.: 3.251 27	PINTS EMULSION CHEM./DAY:
TOTAL GROSS RUNS THIS MONTH	OVER <input type="checkbox"/> SHORT <input type="checkbox"/>	TOTAL BWPD ON LEASE:	PINTS INHIBITOR/DAY:

SIGNED Frank Pumper PUMPER

PICKRELL DRILLING COMPANY, INC.

100 SOUTH MAIN - SUITE 505
WICHITA, KANSAS 67202-3738
(316) 262-8427 • FAX (316) 262-0893

April 20, 2015

Holmes #1
W/2 W/2 NE Sec. 27-33S-13W
API #15-007-10327
Holmes SW #1
C N/2 SW Sec. 27-33S-13W
API #15-007-10400
Both in Barber County, Kansas

Mr. Jim Hemmen
Research Analyst
Kansas Corporation Commission
Conservation Division
266 N. Main Street, Suite 220
Wichita, Kansas 67202-1513

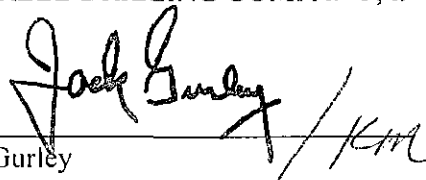
Dear Jim:

We did find where the captioned wells were both shut in for a couple of days during September 2014. SIP's run the same and the pumper merely wrote 23#-24# on the Holmes 1 gauge sheet for both.

See if this will work. If not, we probably have more shut-ins earlier in the year we can go to.

Yours very truly,

PICKRELL DRILLING COMPANY, INC.



Jack Gurley

Encls.

KCC WICHITA
APR 22 2015
RECEIVED