Form G-2
July 2014

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: *(See Instructions on Reverse Side)*

☐ Open Flow
☐ Deliverabilty

Test Date: 4/9/15

API No. 15: 077-00826-0000

Company	Lease	Well Number
Pickrell Drilling Company, Inc.	Bush	1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Barber	SE SW SW	32	31S	9W	

Field	Reservoir	Gas Gathering Connection
Sharon NE	Mississippi	Spivey Grabs Gathering System

Completion Date	Plug Back Total Depth	Packer Set at
3/6/61	4393	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5 1/2	14.0#	5.012	4423	4360	4380

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8	4.7#	1.995	4378	Open Ended	

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
Single	Water	Pump Unit

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
Annulus	0.147	3.218	0.683

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
4370	Flange	2.00

Pressure Buildup: Shut in 4/6 20 15 at 10:00 (AM) (PM) Taken 4/9 20 15 at 10:00 (AM) (PM)

Well on Line: Started 4/9 20 15 at 10:00 (AM) (PM) Taken ____ 20 ____ at ____ (AM) (PM)

OBSERVED SURFACE DATA Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	0.500					40		P		72	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	Gravity Factor F_g	Flowing Temperature Factor F_{ft}	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 = ____ % $(P_c - 14.4) + 14.4$ = ____ : $(P_a)^2$ = 0.207 $(P_d)^2$ = ____

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	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 17th day of April, 20 15.

Received
KANSAS CORPORATION COMMISSION
APR 20 2015
CONSERVATION DIVISION
WICHITA, KS

Witness (if any)

For Company

For Commission

Checked by

Form G-2
(Rev. 7/03)

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 Bush 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. _____
- [x] 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: 4/17/15

During calendar year 2014
well averaged 17 MCFD.

Signature: Jack Gurley

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

Harper COUNTY — Bush LEASE

KS STATE — FROM A.M. 4 - 2 20 15 TO A.M. 4 - 9 20 15 — Sharon NE FIELD

TANK NUMBER	DATE 2			DATE 3			DATE 4			DATE 5			DATE 6			DATE 7			DATE 8			DATE 9		
	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS	FT.	INS.	BARRELS
Dif.			6			6			6			6			6			-0-			-0-			-0-
L.P.			26			26			26			26			26			26			26			-0-
STOCK A.M. TODAY																								
PLUS P/L RUNS YEST.																								
TOTAL																								
LESS STOCK YESTERDAY																								
PRODUCTION YESTERDAY																								

PIPE LINE RUNS AND/OR B. S. AND W. DRAWN OFF

DATE	TICKET NUMBER	TANK NUMBER	FROM FT.	FROM INS.	TO FT.	TO INS.	GROSS BARRELS	GVTY.	TEMP.	TANK % BSW	TANK TEMP.

TOTAL GROSS RUNS THIS PERIOD —

GROSS RUNS PREVIOUS PERIODS

TOTAL GROSS RUNS THIS MONTH

ALLOWABLE

RUNS

OVER ☐

SHORT ☐

WELL NO.	CHOKE SPM	TBG. PR. SI	CSG. PR. PLGR. D.	EST. BOPD	WATER %	EST. BWPD
1	5	30	1/4	—	100	1

GAS WELL TUBING PRESSURE

CASING PRESSURE

DIFFERENTIAL

LINE PRESSURE

SIZE METER RUN & ORIFICE: 2" x .500

AVG. DIFF. & LINE PRESS.: /

TOTAL BWPD ON LEASE: 1

HOURS PUMPED OR FLOWED PER DAY

2	3	4	5	6	7	8	9
24	—	—		24	4	0	0

HEATER TEMP.:

PINTS EMULSION CHEM./DAY:

PINTS INHIBITOR/DAY:

EXPLAIN DOWN TIME AND DRAWOFFS AND MAKE OTHER REMARKS BELOW

4/6 Shut-In For 72 Hr Test

4/9 Csg 40#
Tub 20#

SIGNED

PUMPER