

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
4/9/15

API No. 15
077-00828

Company Pickrell Drilling Company, Inc.		Lease Hogard		Well Number 1	
County Harper	Location SE NE NE	Section 6	TWP 32S	RNG (E/W) 9W	Acres Attributed
Field Sharon NE		Reservoir Mississippi		Gas Gathering Connection Spivey Grabs Gathering System	
Completion Date 12/22/59		Plug Back Total Depth 4399 1/2		Packer Set at	
Casing Size 4 1/2	Weight 9.5#	Internal Diameter 4.090	Set at 4424	Perforations 4328-4338 &	To 4347-4357
Tubing Size 2 3/8	Weight 4.7#	Internal Diameter 1.995	Set at 4348	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		% Nitrogen	
Vertical Depth(H) 4342 1/2		Pressure Taps Flange		(Meter Run) (Prover) Size 2.00	
Pressure Buildup: Shut in 4/6		20 15 at 9:00 (AM) (PM)		Taken 4/9 20 15 at 9:00 (AM) (PM)	
Well on Line: Started 4/9		20 15 at 9:00 (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 ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In	0.500					120		P		72	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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_a)² = 0.207
(P_d)² = _____

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

(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" ----- 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

Jack Gurely
For Company

Witness (if any)

For Commission

APR 20 2015

CONSERVATION DIVISION
WICHITA, KS

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 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 Hogard 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: 4/17/15

During calendar year 2014
the well averaged 28 MCFD.

Signature: 

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

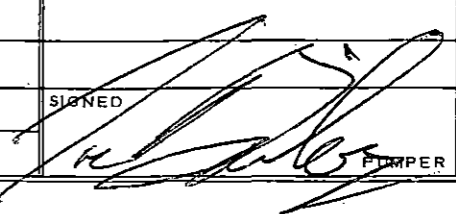
Harper COUNTY
 KS STATE

FROM A.M. 4-2 2015 TO A.M. 4-9 2015

Hogard LEASE
 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
D.F.			7			7			7			7			7			0			0			0
L.P.			26			26			26			26			26			26			26			26
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											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	TEMP.	WELL NO.	CHOKES SPM	TBG. PR. SL	CSG. PR. PLGR. D.	EST. BOPD	WATER %	EST. BWPD	2	3	4		5	6	7	8	9
										1	3	36	1 1/4	-	100	2	24	24	0	0	0	0	0	0	0
											GAS WELL TUBING PRESSURE									4/10 Shut-In For 72 Hr Test 4/9 CSG-120# Tub-20#					
											CASING PRESSURE														
											DIFFERENTIAL														
											LINE PRESSURE														
TOTAL GROSS RUNS THIS PERIOD					-	ALLOWABLE	SIZE METER RUN & ORIFICE: 2" x 500					HEATER TEMP.:													
GROSS RUNS PREVIOUS PERIODS						RUNS	AVG. DIFF. & LINE PRESS.: /					PINTS EMULSION CHEM./DAY:													
TOTAL GROSS RUNS THIS MONTH						OVER SHORT	TOTAL BWPD ON LEASE: 2					PINTS INHIBITOR/DAY:													

SIGNED

 PUMPER

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