Form G-2
(Rev 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test
☐ Open Flow
☐ Deliverabilty

(See Instructions on Reverse Side)

Test Date: 9/12 to 9/13/14

API No 15: 025-20,475-00-00

Company	Lease	Well Number
Benchmark Energy, LLC	Pfeifer	3

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Clark	CSENE	36	33S	22W	

Field	Reservoir	Gas Gathering Connection
Harper Ranch	Miss	DCP

Completion Date	Plug Back Total Depth	Packer Set at
9/17/81		none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5			5591	5412	5478

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375			5483		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
single	SW	Yes - pump unit

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
annulus	.3251	1.6409	728

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
	flange	2"

Pressure Buildup: Shut in 9/09 20 14 at 11:15am (AM) (PM) Taken 9/12 20 14 at 11:15 am (AM) (PM)

Well on Line: Started 9/12 20 14 at 11:15 am (AM) (PM) Taken 9/13 20 14 at 11:15 am (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 Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						281 4	295.8			72	
Flow	.625	68	11.9	70		4.7	19.1			24	

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
1.914	82.4	31.31	1.172	.9905	----------	70		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 87.497 $(P_w)^2$ = .364 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)
87.290	87.133	1.002	.0008	.850	.0006	1.00	70
				assigned			

Open Flow 70 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 14th day of September, 20 14

Witness (If any)

For Company: Andrea M. Wilson, GLM, Inc.

For Commission

Checked by

Received
KANSAS CORPORATION COMMISSION
OCT 09 2014
CONSERVATION DIVISION
WICHITA, KS