Form G-2
(Rev 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test
- [ ] Open Flow
- [ ] Deliverability

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

API No 15: 145-20,225-00-00

Company	Lease	Well Number
Benchmark Energy, LLC	Gilkinson	

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Pawnee	SESWNWNW	15	23S	16W	

Field	Reservoir	Gas Gathering Connection
Zook	Simpson Sand	Lumen

Completion Date	Plug Back Total Depth	Packer Set at
6/27/73	4140	3857

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5			4144	4030	4040

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375			4024		

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

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
tubing	.2456	7.8153	642

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

Pressure Buildup: Shut in 9/09 20 14 at 2:00 pm (AM) (PM) Taken 9/12 20 14 at 2:00 pm (AM) (PM)

Well on Line: Started 9/12 20 14 at 2:00 pm (AM) (PM) Taken 9/13 20 14 at 2:00 pm (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								97.0	111.4	72	
Flow	375	59	6	81				80.0	94.4	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
.6860	73.4	20.98	1.248	.9804	----------	18		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 12.409 $(P_w)^2$ = 8.911 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" / Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
12.202	3.498	3.488	.5425	.850	.4611	2 89	52
				assigned			

Open Flow 52 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

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

Witness (if any)

For Commission

Andrew M. Wilson
For Company

GLM, INC.
Checked by