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

☐ Deliverabilty

Test Date
9/12 to 9/13/14

API No 15
025-10073-00-00

Company	Lease		Well Number
Benchmark Energy, LLC	Theis		J-2

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Clark	CSE	34	34S	25W	

Field	Reservoir	Gas Gathering Connection
McKinney	Miss	DCP

Completion Date	Plug Back Total Depth	Packer Set at
10/12/57	5882	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5			5900	5767	5781

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375			5750		

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			.650 est

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

Pressure Buildup   Shut in _9/09_ 20 _14_ at _10:00 am_ (AM) (PM) Taken _9/12_ 20 _14_ at _10:00 am_ (AM) (PM)

Well on Line   Started _9/12_ 20 _14_ at _10:00 am_ (AM) (PM) Taken _9/13_ 20 _14_ at _10:00 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	psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						73.3	87.7			72	
Flow	.375	60	2.1	77		61 3	75.7			24	

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
.6860	74.4	12.49	1.240	.9840	---------------	10		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ _7.691_ . $(P_w)^2 =$ _5.730_ $P_d =$ _____ % $(P_c - 14 4) + 14 4 =$ _____ $(P_a)^2 =$ 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)
7.484	1.961	3.816	.5816	.850	.4943	3.12	31
				assigned			

Open Flow _31_   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)

Received
KANSAS CORPORATION COMMISSION

Andrea M. Wilson
For Company

GCM, INC
Checked by

_____
For Commission

OCT 0 9 2014

CONSERVATION DIVISION
WICHITA, KS