Form G-2
(Rev 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)

☑ Open Flow
☐ Deliverabilty

Test Date: 3-16-16

API No, 15: 15-08122105-00-00

Company	Lease	Well Number
MERIT ENERGY COMPANY	AJ WATKINS	20-1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
HASKELL		20	30S	32W	

Field	Reservoir	Gas Gathering Connection
	MARMATON/ATOKA	LINN ENERGY

Completion Date	Plug Back Total Depth	Packer Set at
	5507	NONE

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5	17.0	4.892	5548	4843-4854	5297-5303

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.7	1.995	5488		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
COMINGLED GAS	WATER/OIL	YES-PUMP UNIT

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
ANNULUS	0.2070	10.8376	

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
5073	FLANGE	3.068"

Pressure Buildup: Shut in 2-29-16 20 ___ at 0945 (AM) (PM) Taken 3-3-16 20 ___ at 0945 (AM) (PM)

Well on Line: Started 3-15-16 20 ___ at 1030 (AM) (PM) Taken 3-16-16 20 ___ at 1030 (AM) (PM)

OBSERVED SURFACE DATA Duration of Shut-in 72.0 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						467.9	482.3			72.0	
Flow	1.000	37.6	53.4	57	75	50.2	64.6			24.0	166.4

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_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
4.9116	52.0	52.7	1.1441	1.0029	1.0057	298.6	22288	0.764

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 232.6 ; $(P_w)^2$ = 4.3 ; P_d = 13.6 % ; $(P_c - 14.4) + 14.4$ = 482.3 ; $(P_a)^2$ = 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)
2332.41	228.31	1.018	0.0077	0.644	0.0050	1.0115	302.08

Open Flow 302 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 16 day of MARCH, 20 16.

Witness (If any)

For Company: Precision Wireline & Testing

For Commission

Checked by

KCC WICHITA
MAR 21 2016
RECEIVED