

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
8/1/2015

API No. 15,
15-081-22103-0000

Company Merit Energy Company		Lease Enterprises A		Well Number 7	
County Haskell	Location 424' FSL & 1990' FEL	Section 21	TWP 03S	RNG (E/W) 32W	Acres Attributed 10
Field Wildcat		Reservoir Kansas City/Pawnee/Fort Scott		Gas Gathering Connection APC	
Completion Date 7/9/2015		Plug Back Total Depth 5325'		Packer Set at N/A	
Casing Size 5.5	Weight 15.5#	Internal Diameter 4.95	Set at 5530	Perforations 4682	To 4991
Tubing Size 2.375	Weight 6.4#	Internal Diameter 19.95	Set at 4656	Perforations	To
Type Completion (Describe) Commingled		Type Fluid Production Condensation		Pump Unit or Traveling Plunger? Yes / No Yes	
Producing Thru (Annulus / Tubing) Casing		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 5530		Pressure Taps Flange		(Meter Run) (Prover) Size 3	
Pressure Buildup: Shut in 4/18 20 15 at 12 (AM) (PM) Taken 4/19 20 15 at 12 (AM) (PM)					
Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)					

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OBSERVED SURFACE DATA								Duration of Shut-in	Hours		
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						48		120			
Flow											

FLOW STREAM ATTRIBUTES								
Plate Coefficient (F _b) (F _a) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ ; (P_w)² = _____ ; P_d = _____ % ; (P_e - 14.4) + 14.4 = _____ ; (P_e)² = 0.207 ; (P_d)² = _____

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	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 27th day of August, 2015

Witness (if any)

For Commission

Merit Energy Company

Katherine McClintock
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 Merit Energy Company 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 Enterprises A7 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: 8/27/2015

Signature: Katherine McClurkan
Title: Regulatory Analyst

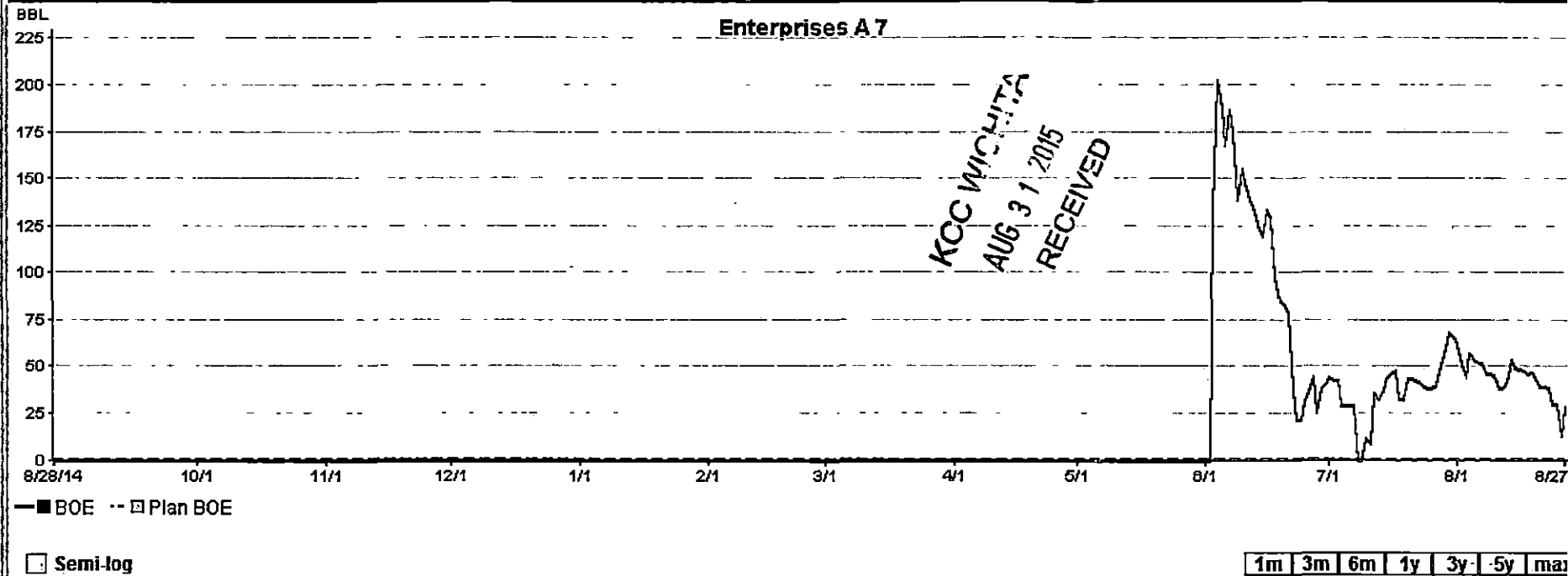
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Instructions: If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

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.

24595	Enterprises A7	API #	150812210300	State	Kansas	Accounting ID	22225-01
Type	Oil	Status	Producing Oil	County	Haskell	Cost Center	
Prod Method	Pump-Rod, Electric Motor	Route	South Hugo-Liberal Rt 06: Holmes	Reg Field	Diaden	Aries Case	26



Enterprises A 7 ↑ ↓ ↶ ↷

Daily Production Information for Enterprises A 7										
	Gas Sales	Plan Gas	Oil Prod	Plan Oil	NGLS	Plan NGL	BOE	Plan BOE	Water Prod	
8/27/2015	130.4	0.0	1.3	0.0	5.9	0.0	28.9	0	.0	
8/26/2015	62.4	0.0	.4	0.0	2.8	0.0	13.6	0	.0	
8/25/2015	141.5	0.0	1.0	0.0	6.4	0.0	30.9	0	.0	
8/24/2015	142.1	0.0	.9	0.0	6.4	0.0	30.9	0	.0	
8/23/2015	181.9	0.0	1.0	0.0	8.2	0.0	39.5	0	.0	
8/22/2015	184.5	0.0	.9	0.0	8.3	0.0	40.0	0	.0	
8/21/2015	186.8	0.0	.9	0.0	8.4	0.0	40.4	0	.0	
8/20/2015	199.1	0.0	1.1	0.0	8.9	0.0	43.2	0	.0	
8/19/2015	221.5	0.0	.9	0.0	9.9	0.0	47.8	0	.0	
8/18/2015	218.0	0.0	1.1	0.0	9.8	0.0	47.2	0	.0	
8/17/2015	226.6	0.0	1.0	0.0	10.2	0.0	48.9	0	.0	
8/16/2015	230.4	0.0	1.0	0.0	10.3	0.0	49.7	0	.0	
8/15/2015	234.2	0.0	.9	0.0	10.5	0.0	50.5	0	.0	
8/14/2015	250.7	0.0	1.3	0.0	11.3	0.0	54.3	0	.0	
8/13/2015	198.7	0.0	.9	0.0	8.9	0.0	42.9	0	.0	
8/12/2015	181.8	0.0	.9	0.0	8.2	0.0	39.3	0	.0	
8/11/2015	183.5	0.0	.8	0.0	8.2	0.0	39.6	0	.0	
8/10/2015	214.1	0.0	.9	0.0	9.6	0.0	46.2	0	.0	
8/9/2015	219.2	0.0	1.0	0.0	9.8	0.0	47.3	0	.0	

Daily Production Information for Enterprises A 7

	Gas Sales	Plan Gas	Oil Prod	Plan Oil	NGLS	Plan NGL	BOE	Plan BOE	Water Prod
8/11/2015	183.5	0.0	.8	0.0	8.2	0.0	39.6	0	.0
8/10/2015	214.1	0.0	.9	0.0	9.6	0.0	46.2	0	.0
8/9/2015	219.2	0.0	1.0	0.0	9.8	0.0	47.3	0	.0
8/8/2015	217.6	0.0	1.0	0.0	9.8	0.0	47.0	0	.0
8/7/2015	244.3	0.0	1.2	0.0	11.0	0.0	52.9	0	.0
8/6/2015	244.7	0.0	1.1	0.0	11.0	0.0	52.9	0	.0
8/5/2015	255.2	0.0	.9	0.0	11.5	0.0	54.9	0	.0
8/4/2015	267.1	0.0	1.2	0.0	12.0	0.0	57.7	0	.0
8/3/2015	211.4	0.0	.9	0.0	9.5	0.0	45.6	0	.0
8/2/2015	241.0	0.0	1.1	0.0	10.8	0.0	52.1	0	.0
8/1/2015	293.3	0.0	.7	0.0	13.2	0.0	62.7	0	.0
7/31/2015	312.9	0.0	.6	0.0	14.0	0.0	66.8	0	.0
7/30/2015	321.2	0.0	.7	0.0	14.4	0.0	68.6	0	.0
7/29/2015	267.3	0.0	.8	0.0	12.0	0.0	57.3	0	.0
7/28/2015	242.1	0.0	.6	0.0	10.9	0.0	51.8	0	.0
7/27/2015	191.4	0.0	.4	0.0	8.6	0.0	40.9	0	.0
7/26/2015	182.7	0.0	.4	0.0	8.2	0.0	39.1	0	.0
7/25/2015	184.8	0.0	.5	0.0	8.3	0.0	39.6	0	.0
7/24/2015	189.1	0.0	.6	0.0	8.5	0.0	40.6	0	.0

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Daily Production Information for Enterprises A 7

	Gas Sales	Plan Gas	Oil Prod	Plan Oil	NGLS	Plan NGL	BOE	Plan BOE	Water Prod
7/24/2015	189.1	0.0	.6	0.0	8.5	0.0	40.6	0	.0
7/23/2015	194.8	0.0	.6	0.0	8.7	0.0	41.8	0	.0
7/22/2015	203.3	0.0	.6	0.0	9.1	0.0	43.6	0	.0
7/21/2015	205.3	0.0	.6	0.0	9.2	0.0	44.0	0	.0
7/20/2015	208.1	0.0	.6	0.0	9.3	0.0	44.6	0	.0
7/19/2015	150.7	0.0	1.7	0.0	6.8	0.0	33.6	0	.0
7/18/2015	152.3	0.0	1.2	0.0	6.8	0.0	33.4	0	.0
7/17/2015	223.6	0.0	1.2	0.0	10.0	0.0	48.6	0	.0
7/16/2015	217.2	0.0	1.1	0.0	9.8	0.0	47.1	0	.0
7/15/2015	211.1	0.0	.0	0.0	9.5	0.0	44.7	0	.0
7/14/2015	180.5	0.0	.0	0.0	8.1	0.0	38.2	0	.0
7/13/2015	132.8	0.0	5.1	0.0	6.0	0.0	33.2	0	.0
7/12/2015	149.3	0.0	4.9	0.0	6.7	0.0	36.5	0	.4
7/11/2015	41.1	0.0	1.1	0.0	1.8	0.0	9.8	0	.0
7/10/2015	59.5	0.0	.0	0.0	2.7	0.0	12.6	0	.0
7/9/2015	0.0	0.0	-0	0.0	0.0	0.0	-0.0	0	.0
7/8/2015	0.0	0.0	.0	0.0	0.0	0.0	0.0	0	.0
7/7/2015	140.9	0.0	.0	0.0	6.3	0.0	29.8	0	.0
7/6/2015	140.8	0.0	.0	0.0	6.3	0.0	29.8	0	.0

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	Gas Sales	Plan Gas	Oil Prod	Plan Oil	NGLS	Plan NGL	BOE	Plan BOE	Water Prod
7/7/2015	140.9	0.0	.0	0.0	6.3	0.0	29.8	0	.0
7/6/2015	140.8	0.0	.0	0.0	6.3	0.0	29.8	0	.0
7/5/2015	141.0	0.0	.0	0.0	6.3	0.0	29.8	0	.0
7/4/2015	141.8	0.0	.0	0.0	6.4	0.0	30.0	0	.0
7/3/2015	204.4	0.0	.0	0.0	9.2	0.0	43.3	0	.0
7/2/2015	205.4	0.0	.0	0.0	9.2	0.0	43.5	0	.0
7/1/2015	212.3	0.0	.0	0.0	9.5	0.0	44.9	0	.0
6/30/2015	197.0	0.0	.0	0.0	8.8	0.0	41.7	0	.0
6/29/2015	185.6	0.0	.0	0.0	8.3	0.0	39.3	0	.0
6/28/2015	127.1	0.0	.0	0.0	5.7	0.0	26.9	0	.0
6/27/2015	212.0	0.0	.0	0.0	9.5	0.0	44.9	0	.0
6/26/2015	176.1	0.0	.0	0.0	7.9	0.0	37.2	0	8.0
6/25/2015	149.7	0.0	-0	0.0	6.7	0.0	31.7	0	10.4
6/24/2015	104.3	0.0	.0	0.0	4.7	0.0	22.1	0	.0
6/23/2015	104.2	0.0	.0	0.0	4.7	0.0	22.1	0	.0
6/22/2015	181.4	0.0	.0	0.0	8.1	0.0	38.4	0	.0
6/21/2015	372.9	0.0	.0	0.0	16.7	0.0	78.9	0	.0
6/20/2015	396.2	0.0	.0	0.0	17.8	0.0	83.8	0	.0
6/19/2015	407.1	0.0	.0	0.0	18.3	0.0	86.1	0	.0

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	Gas Sales	Plan Gas	Oil Prod	Plan Oil	NGLS	Plan NGL	BOE	Plan BOE	Water Prod
6/20/2015	396.2	0.0	.0	0.0	17.8	0.0	83.8	0	.0
6/19/2015	407.1	0.0	.0	0.0	18.3	0.0	86.1	0	.0
6/18/2015	467.6	0.0	.0	0.0	21.0	0.0	98.9	0	.0
6/17/2015	615.5	0.0	.0	0.0	27.6	0.0	130.2	0	.0
6/16/2015	635.4	0.0	.0	0.0	28.5	0.0	134.4	0	.0
6/15/2015	569.6	0.0	.0	0.0	25.6	0.0	120.5	0	.0
6/14/2015	598.7	0.0	.0	0.0	26.9	0.0	126.7	0	.0
6/13/2015	629.1	0.0	.0	0.0	28.2	0.0	133.1	0	.0
6/12/2015	662.4	0.0	.0	0.0	29.7	0.0	140.1	0	.0
6/11/2015	696.7	0.0	1.1	0.0	31.3	0.0	148.5	0	.0
6/10/2015	739.6	0.0	.0	0.0	33.2	0.0	156.5	0	.0
6/9/2015	656.7	0.0	1.2	0.0	29.5	0.0	140.2	0	.0
6/8/2015	822.2	0.0	1.3	0.0	36.9	0.0	175.3	0	.0
6/7/2015	858.4	0.0	6.2	0.0	38.5	0.0	187.8	0	.0
6/6/2015	766.0	0.0	6.3	0.0	34.4	0.0	168.3	0	.0
6/5/2015	865.6	0.0	5.3	0.0	38.9	0.0	188.4	0	.0
6/4/2015	942.5	0.0	3.8	0.0	42.3	0.0	203.2	0	.0
6/3/2015	611.8	0.0	4.8	0.0	27.5	0.0	134.3	0	.0
6/2/2015	0.0	0.0	.0	0.0	0.0	0.0	0.0	0	.0

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