

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
9/08 to 9/09/14

API No. 15
033-21,303-00-00

Company Sandridge Energy			Lease Baker Farms		Well Number 2
County Comanche	Location S/2 N/2 N/2	Section 19	TWP 33S	RNG (E/W) 19W	Acres Attributed
Field Collier Flats		Reservoir Miss.	Gas Gathering Connection DCP Midstream		
Completion Date 3/20/02		Plug Back Total Depth 5377	Packer Set at none		
Casing Size 4.5	Weight	Internal Diameter	Set at 5436	Perforations 5300	To 5360
Tubing Size 2.375	Weight	Internal Diameter	Set at 5226	Perforations	To
Type Completion (Describe) single		Type Fluid Production SW	Pump Unit or Traveling Plunger? yes - pump unit		Yes / No
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide .303	% Nitrogen .995	Gas Gravity - G _g .599	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 3"	
Pressure Buildup: Shut in 9/05		20 14 at 10:15 am	(AM) (PM) Taken 9/08	20 14 at 10:15 am	(AM) (PM)
Well on Line: Started 9/08		20 14 at 10:15 am	(AM) (PM) Taken 9/09	20 14 at 10:15 am	(AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						461.2	475.6			72	
Flow	.375	53	20.4	88		336.6	351.0			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
.6848	67.4	37.08	1.292	.9741	-----	32		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 226.195 ; (P_w)² = 123.201 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_d)² = _____

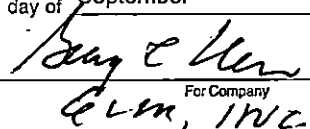
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
225.988	102.994	2.194	.3412	.850	.2900	1.95	62

Open Flow 62 Mcfd @ 14.65 psia X .50 = Deliverability 31 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 15th day of September, 20 14.

Witness (if any)

For Commission


 Received
 KANSAS CORPORATION COMMISSION
 For Company
 C. M. Hester
 Checked by
SEP 17 2014
 CONSERVATION DIVISION
 WICHITA, KS

American Measurement Services

A Limited Liability Company
Meno, Oklahoma

Station Number:
Producer: SANDRIDGE ENERGY
Lease: BAKER FARMS 2
Sample Pressure: 72.2
Sample Temperature: 88.7
Cylinder Number: 5603
Analysis By: AMS
Date Sampled: 9/8/2014
Analysis Run Date: 9/9/2014

LOCATION: SEC. 19-33S-19W COMANCHE COUNTY

Gas Components	Mole Percent	GPM
Methane	94.303	
Ethane	2.715	0.7260
Propane	0.905	0.2492
IButane	0.139	0.0456
NButane	0.260	0.0819
IPentan	0.086	0.0314
NPentan	0.084	0.0304
C6 +	0.211	0.0918
Nitrogen	0.995	
CO2	0.303	
	100.00%	1.2563

BTU @ 14.73 @ 60 F - Real

Dry 1058.7
Wet 1040.3
Specific Gravity - Real 0.5987
Z = 0.9977

Gasoline Content

Propane And Heavier 0.5303
Butane And Heavier 0.2811
Pentane And Heavier 0.1536

H2S Field Test: 0 PPM

Field Remarks:

Analysis Based Upon GPA 2145, 2172, And 2261

Received
KANSAS CORPORATION COMMISSION
SEP 17 2014
CONSERVATION DIVISION
WICHITA, KS