Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:
☑ Open Flow
☐ Deliverabilty

(See Instructions on Reverse Side)

Test Date: 04/01/2011 to 04/05/2011

API No. 15: 1517521036 -0000

Company	Lease	Well Number
C & R Petroleum Co.	Sandifer	2

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Seward	NE SW	30	34S	34W	320

Field	Reservoir	Gas Gathering Connection
Kinney	Morrow	Timberline Gathering

Completion Date	Plug Back Total Depth	Packer Set at
10/03/1988	6530'	None

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4 1/2	10.5#	4"	6346'	6190'	6194'

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8	4.7#	2"	6308'		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
Single Gas	Water	Pumping Unit

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
Annulus	.28	4.94	.70

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
6308'	Flange	2 X .375

Pressure Buildup: Shut in 04/01 20 11 at 5:15 (AM) (PM) Taken 04/04 20 11 at 5:15 (AM) (PM)

Well on Line: Started 04/04 20 11 at 5:20 (AM) (PM) Taken 04/05 20 11 at 5:20 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ 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						140	154.4			72	
Flow	.375	16	16	60		30	44.4			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_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
.686	30.4	22.05	1.195	1.00	1.0013	18		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 23.84 : $(P_w)^2$ = 1.97 : 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)
23.6	21.87	1.079	.033	.75	.0248	1.059	19

Open Flow 19 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 7th day of April, 20 11.

Witness (if any)

For Commission

C & R Petroleum Co.
For Company

Checked by
Curtis F. Covington, Owner

RECEIVED
APR 13 2011
KCC WICHITA