KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

TYDE TEST

1110 1001.			
Open Flow			
⊠ Deliverability	TRST DATE:	8/14/11	BDT

API No. 15-033-21134-00-0

	ity	TEST DATE:	8/14/11		API No. 15-C	33-21134 -00·00
Company			Lease			Well Number
Thoroughbred	Associates		Bird Ranch	1		1
County	_	Location	Section	TWP	RNG (E/W)	Acres Attributed
Comanche	_	C-NE-NE-SE	Sec. 5-T	32S-R	19W	
Field		Reservoir			Gas Gathering C	onnection
		Mississippi				
Completion Date	•	Plug Back Total De	pth		Packer Set at	
1/22/00		532	20		None	
Casing Size	Weight	Internal Diameter	Set at		Perforations	То
5.500	15.500	4.900	5364		5214	5245
Tubing Size	Weight	Internal Diameter	Set at		Perforations	To
2.375	4.700	1.950	5200			
Type Completion (De Tuubing	scribe)	Type Fluid Product	ion		Pump Unit or Tra	aveling Plunger?
Producing Thru(Annu	lus/Tubing)	* Carbon Dioxide			% Nitrogen	Gas Gravity- Gg
Tubing		.091			1.254	.604
Vertical Depth (H)		Pressure Taps			"	Meter Run Size
5214		Flange				3
Pressure Buildup: S	hut in 8/1	1/1		TAKEN	3:55 PM	
Well on Line: S	tarted 8/14	1/11		TAKEN	1:45 PM	

OBSERVED SURFACE DATA

Static/ Dynamic	Dynamic Size Pressure		Pressure Diff.	ff. Temp. Temp.		Casing WellHead Press. $(P_{\mathbf{w}}) (P_{\mathbf{t}}) (P_{\mathbf{C}})$		Tubing WellHead Press. (P_w) (P_t) (Γ_C)		Duration	Liquid Prod.
Property	in.	psig	In. H 20	t.	t.	psig	psia	psig	psia	(Hours)	Barrels
Shut-in						570	584			70.0	
Plow	.550	30.0	1.00	60	60	50	64	140	154	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION V Pm x Hw	GRAVITY FACTOR FG	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR FPV	RATE OF FLOW R Mcfd	GOR	G m
1.214	44.4	6.66	1.2867	1.0000	1.0033	10		.604

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(Pa)² = 0.207

(Pc) ² = 341		² = 4.1	Pd =	8.6	(Pc - 14.4) + 14	.4 =	$(Pa)^2 = 0.207$ $(Pd)^2 = 2.50$
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _v) ²	$\begin{bmatrix} (P_c)^2 - (P_a)^2 \\ (P_c)^2 - (P_d)^2 \\ \hline (P_c)^2 - (P_d)^2 \end{bmatrix}$	roe	Backpressure Curve Slope"n" or Assigned Standard Slope	n x Log	Antilog	Open Flow Deliverability = R x Antilog Mcfd
341.32	337.38	1.012	.0050	.806	.0041	1.009	10
339.02	337.38	1.005	.0021	.806	.0017	1.004	10

OPEN FLOW	10	Mcfd 8 14.65 psia	DELIVERABILITY	10	Mcfd 0 14.65 psia
The undersigned stated herein and the	suthority, on behaf o	of the Company, states that he is du	y authorized to make the above re	port and that he	as knowledge of the facts
	e (if any)		RECEIVE		ales s
	mmission		APR 05_	2012	For Chiptoning

KCC WICHITA