## KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

TYPE TEST:

X	O	p	en	FI	wc

Deliverability TEST		TEST DATE:	1/11/2012		API No /5 - 057	7-20611-0000
Company			Lease	-	·	Well Number
Ritchie Explor	ation		Stephens	son	•	4B
County		Location	Section	TWP	RNG (E/W)	Acres Attributed .
Ford		SE NW NW	4 28s	22w		640
Field		Reservoir			Gas Gathering (	Connection
Lamb North		Mississippia	n		Superior Pip	• •
Completion Date		Plug Back Total	Depth		Packer Set at	4
7-1-10		5	3165			
Casing Size	Weight	Internal Diamete	er Set at		Perforations	To
4.500	10.500	4.0	52 5187		4968	4991
Tubing Size	Weight	Internal Diamete	r Set at		Perforations	То
2.375	4.700	1.99	95 4992			
Type Completion (De	escribe)	Type Fluid Produ	ction		Pump Unit or Tr	raveling Plunger?
New Well			lone		no	•
Producing Thru(Annu	lus/Tubing)	% Carbon Dioxide	· · · · · · · · · · · · · · · · · · ·		% Nitrogen	Gas Gravity- Gg
tubing		0.087			9.531	0.662
Vertical Depth (H)		Pressure Taps				Meter Run Size
4979_		flange	<b>e</b>			3.067
Pressure Buildup: S	hut in 1/6	5/2012@ 1030	- <del></del>	TAKEN	1/10/20	12@1330
Well on Line: S	tarted 1/1	0/2012@ 1330		TAKEN		12@1330

## **OBSERVED SURFACE DATA**

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff.	iff. Temp. Tem	WellHead Temp.	Casing WellHead Press. (Pw) (Pt) (Pc)		Tubing WellHead Press. $(P_w)$ $(P_t)$ $(F_C)$		Duration	Liquid Prod.
			In. H 20		t.	psig	psia	psig	psia	(Hours)	Barrels
					ŀ			-	_	• •	
Shut-in			<u> </u>			1202	1217	1201	1216	75.0	'
Flow	1.625	50.0	35.20	61	i	929	943	899	914	24.0	•

## FLOW STREAM ATTRIBUTES

COEFFICIENT (F <sub>b</sub> ) Mcfd	(METER) PRESSURE Psia	EXTENSION  Pm × Hw	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR FPV	RATE OF FLOW R Mcfd	GOR	G m
13.580	64.4	47.61	1.2291	0.9990	1.0052	798	-	0.662

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(Pc) <sup>2</sup> = 148	1.8 (Pw)	<sup>2</sup> = 890.8	Pd =	4.1 %	(Pc - 14.4) + 1	4.4 =	$(Pa)^2 = 0.207$ $(Pd)^2 = 2.50$
$(\mathbf{P}_{\mathbf{c}})^2 - (\mathbf{P}_{\mathbf{a}})^2$ or $(\mathbf{P}_{\mathbf{c}})^2 - (\mathbf{P}_{\mathbf{d}})^2$	(P <sub>C</sub> ) <sup>2</sup> - (P <sub>U</sub> ) <sup>2</sup>	$\begin{bmatrix} (P_{c})^{2} - (P_{a})^{2} \\ (P_{c})^{2} - (P_{d})^{2} \\ (P_{c})^{2} - (P_{w})^{2} \end{bmatrix}$	LOG [	Backpressure Curve Slope"n" or Assigned Standard Slope	n * LOG	Antilog	Open Flow Deliverability = R x Antilog Mcfd
1481.61	591.06	2.507	0.3991	1.000	0.3991	2.507	2000 -
1479.32	591.06	2.503	0.3984	1.000	0.3984	2.503	1997

OPEN FLOW	2000	Mcfd @ 14.65 psia	DELIVERABILITY	1997	Mcfd @ 14.65 psia
		of the Company, states that he is duly	3 day of Jan	eport and that he he	as knowledge of the facts
		RE(	CEIVED	Tank	, ,
	css (if any)	JAN	2 0 2012	•	or Company
For C	Commission				hecked by

KCC WICHITA