

**KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST**

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 1/11/2012

API No. 057-20588-0000

Company Ritchie Exploration		Lease Lamb-Lance			Well Number 1	
County Ford	Location W/2 NW NE	Section 8	TWP 28s	RNG (E/W) 22w	Acres Attributed 640	
Field Lamb	Reservoir Mississippian	Gas Gathering Connection Superior Pipeline				
Completion Date 6-25-10	Plug Back Total Depth 5272	Packer Set at				
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 5302	Perforations 5024	To 5029	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5015	Perforations	To	
Type Completion (Describe) New Well	Type Fluid Production none	Pump Unit or Traveling Plunger? NO				
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.103	% Nitrogen 9.155	Gas Gravity- Gg 0.659			
Vertical Depth (H) 5026	Pressure Taps flange	Meter Run Size 3.067				
Pressure Buildup: Shut in	1/6/2012@1100	TAKEN	1/10/2012@1400			
Well on Line: Started	1/11/2012@1400	TAKEN	1/12/2012@1400			

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						865	879	871	885	75.0	
Flow	1.500	34.4	35.10	65		639	654	599	613	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G _m
11.410	48.8	41.39	1.2318	0.9952	1.0038	581		0.659

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 774.2 (P_w)² = 427.7 P_d = 3.9 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 1.18

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" --- or --- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
774.02	346.51	2.234	0.3490	0.803	0.2803	1.907	1108
773.04	346.51	2.231	0.3485	0.803	0.2798	1.905	1106

OPEN FLOW 1108 Mcfd @ 14.65 psia DELIVERABILITY 1106 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 herein and that said report is true and correct. Executed this the _____ day of _____, 2012

Witness (if any)

For Commission

RECEIVED
JAN 20 2012

For Company

KCC WICHITA

Checked by