KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM CG-1 Rev.

TYPE TEST:	X	Open Flow		Deliverability		Test Date: 01/12/12
COMPANY			LEASE		WELL NUMBER	
Shelby Resources, LLC			Eakin		5-7	
COUNTY	LOCATION		SECTION	TWP	RNG (E/W)	ACRES
Pawnee	883' FSL & 921' FEL		7	22s	16w	160
API WELL NUMBER		RESERVOIR	PIPELINE CONECTION		FIELD	
15-145-21,655-00-00		Basil-Penn	SemGas, LP		0	
COMPLETION DATE			PLUG BACK TOTAL DEPTH			PACKER SET AT
01/10/12			3941'			None
CASING SIZE	WEIGHT	INTERNAL DIAMETER	SET AT	PERFORATIONS		TO
5-1/2"	15.5	4.950	3971'		3887'	TO 3891'
TUBING SIZE	WEIGHT	INTERNAL DIAMETER	SET AT	PERFORATIONS		
2-3/8"	4.7	1.995	3891'		S.N.	TO
TYPE COMPLETION (Describe)			TYPE FLUID PRODUCTION		PUMPING UNIT or TRAVELING PLUNGER?	
Natural			None		None	
PRODUCING THRU (Annulus/Tubing)		RESERVOIR TEMPERATURE F				BAR PRESSURE - Pa
Tubing						14.4 Psia
GAS GRAVITY - Gg		% CARBON DIOXIDE		% NITROGEN		API GRAVITY OF LIQUID
0.739		0.25%		28.47%		
VERTICAL DEPTH (H)		TYPE METER CONNECTION		(METER RUN SIZE)		(PROVER SIZE)
		Flange Tap		2"		None

Pressure Buildup: Shut-In: January 8, 2012 at 9:00 am — Taken: January 11, 2012 at 9:00 am

Well on Line: Started: January 11, 2012 at 9:00 am — Taken: January 12, 2012 at 9:00 am

OBSERVED SURFACE DATA — DURATION OF SHUT-IN : 24 HOURS

STATIC/ DYNAMIC PROPERTY	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (hw) (hd)	FLOWING TEMP. t	WELLHEAD TEMP t	CASING WELLHEAD PRESSURE psig	CASING WELLHEAD PRESSURE (Pw)(Pt)(Pc) psia	TUBING WELLHEAD PRESSURE psig	TUBING WELLHEAD PRESSURE (Pw)(Pt)(Pc) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT IN					45	1238	1252.4	1041	1055.4	24	
FLOW	0.625	85.8	42.30	48.8	45	1050	1064.4	748	762.4	24.00	0.0

FLOW STREAM ATTRIBUTES

	COEFFICIENT (Fb) (Fp) Mcfd	(METER) PRESSURE psia	PRESSURE EXTENSION (Pm x hw)^1/2	GRAVITY FACTOR Fg	LOWING TEM FACTOR Fg	DEVIATION FACTOR Fpv	METERED FLOW Q Mcfd	GOR (Cubic Feet per Barrel)	Flowing Fluid Gravity Gm
FLOW	1.914	100.2	65.10	1.164	1.011	1.030	151		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(Pc)^2 = 1568.51 : (Pw)^ 1132.95 (Pd) % = _____ (Pc - 14.4) + 14.4 = _____

(Pa)^2 = 0.207

(Pd)^2 = _____

	(Pc)^2 -(Pa)^2 or (Pc)^2 - (Pd)^2	(Pc)^2-(Pw)^2	Choose formula 1 or 2: 1.(Pc)^2-(Pa)^2 2.(Pc)^2-(Pd)^2 divided by: (Pc)^2-(Pw)^2	LOG of formula 1. Or 2. and divide by: [(Pc)^2-(Pw)^2]	Backpressure Curve Slope = "n" ——— or ——— Assigned Standard Slope	"n" X LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd		% SHUT-IN Pa-Pa Pc-Pa
	1568.30	435.56	3.60	0.556	0.850	0.473	2.971	449		84.81

Open Flow = 449 Mcfd @ 14.65 psia — Deliverability = 112 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 12th day of January , 2012.

Witness (If any)

For Company (Chris Gottschalk, Tester)

For Commission

Checked By

(Rev. 10/96)

RECEIVED
MAR 20 2013
KCC WICHITA