

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM CG-1 Rev.

TYPE TEST:	X	Open Flow	Deliverability	Test Date: 02/09/13
COMPANY	Shelby Resources, LLC		LEASE	Eakin
COUNTY	LOCATION	SECTION	TWP	RNG (E/W)
Pawnee	883' FSL & 921' FEL	7	22s	16w
API WELL NUMBER	RESERVOIR	PIPELINE CONNECTION	FIELD	
15-145-21,655-00-00	Basil-Penn	SemGas, LP	Larned West	
COMPLETION DATE	PLUG BACK TOTAL DEPTH		PACKER SET AT	
01/10/12	3941'		None	
CASING SIZE	WEIGHT	INTERNAL DIAMETER	SET AT	PERFORATIONS
5-1/2"	15.5	4.950	3971'	3887'
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: February 5, 2013 at 9:00 am		Taken: February 8, 2013 at 9:00 am	
Well on Line:	Started: February 8, 2013 at 9:00 am		Taken: February 9, 2013 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 (Pw)(Pi)(Pc) psig psia	TUBING WELLHEAD PRESSURE (Pw)(Pi)(Pc) psig psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT IN					48	465.2	230	24	
FLOW	0.625	68.7	11.40	44.3	48	285.7	130	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	83.1	30.78	1.164	1.015	1.000	70		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(Pc)² = 230.02 : (Pw)² = 90.06 (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 BcPa Pc-Pa
229.81	139.96	1.64	0.215	0.850	0.183	1.524	106	61.41

Open Flow = **106** Mcfd @ 14.65 psia

Deliverability = **27** 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 11th day of February, 2013.

Witness (if any)


For Company (Chris Gottschalk, Tester)

For Commission

Checked By (Rev. 10/96)

RECEIVED
MAR 20 2013
KCC WICHITA