15-145-21631-00-00

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM CG-1 Rev.

TYPE TEST:	X	Open Flow		Deliverability		Test Date: 12/22/11
COMPANY			LEASE		WELL NUMBER	
Shelby Resources, LLC			Fleske		1-13	
COUNTY	LOCATION		SECTION	TWP	RNG (E/W)	ACRES
Pawnee	2310' FSL & 1650' FEL		13	21s	16w	160
API WELL NUMBER	RESERVOIR		PIPELINE CONECTION		FIELD	
15-145-21,631-00-00	Arbuckle		SemGas		Sweeney West	
COMPLETION DATE		PLUG BACK TOTAL DEPTH			PACKER SET AT	
03/31/11		3845'			None	
CASING SIZE	WEIGHT	INTERNAL DIAMETER	SET AT	PERFORATIONS		TO
5-1/2"	15.5	0	3891'		3835'	TO 3837'
TUBING SIZE	WEIGHT	INTERNAL DIAMETER	SET AT	PERFORATIONS		
2-7/8"	4.7	2.25	3837'		S.N.	TO
TYPE COMPLETION (Describe)		TYPE FLUID PRODUCTION		PUMPING UNIT or TRAVELING PLUNGER?		
Natural		3% Oil, 97% Water		None		
PRODUCING THRU (Annulus/Tubing)		RESERVOIR TEMPERATURE F			BAR PRESSURE - Pa	
Tubing		110.52			14.4 Psia	
GAS GRAVITY - Gg		% CARBON DIOXIDE		% NITROGEN	API GRAVITY OF LIQUID	
0.635		0.41%		5.85%		
VERTICAL DEPTH (H)		TYPE METER CONNECTION		(METER RUN SIZE)	(PROVER SIZE)	
		Flange Tap		2"	None	

Pressure Buildup: Shut-In: December 20, 2011 at 9:00 am Taken: December 21, 2011 at 9:00 am

Well on Line: Started: December 21, 2011 at 9:00 am Taken: December 22, 2011 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)(Pt)(Pc) psig	psia	TUBING WELLHEAD PRESSURE (Pw)(Pt)(Pc) psig	psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT IN					40	1027	1041.4	729	743.4	24	
FLOW	1.25	109	12.30	40.1	40	978	992.4	590	604.4	24.00	108.3

FLOW STREAM ATTRIBUTES

	COEFFICIENT (Fb) (Fp) Mcfd	(METER) PRESSURE psig	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	8.329	123.4	38.96	1.255	1.020	1.000		415		138.333	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(Pc)^2 = 1084.51 : (Pw)^ 984.86 (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
	1084.31	99.66	10.88	1.037	0.850	0.881	7.604	3,157		95.23

Open Flow = 3,157 Mcfd @ 14.65 psia Deliverability = 789 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 22nd day of December , 2011.

Jesse Prosser
Witness (If any)

For Company (Chris Gottschalk, Tester)

For Commission

Checked By (Rev. 10/96)

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KCC WICHITA