KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	ì:					6	See Instruc	tions on Re	verse Side)						
✓ Open Flow						Total Dates										
Deliverabilty					Test Date: 02/28/2015				API No. 15 15-145-21,655-00-00							
Company Shelby Resources, LLC						Lease Eakin						Well Number 5-7				
County Location Pawnee 883' FSL & 921' FEL					Section 7		TWP 22s						Acres A	Attributed		
Field Larned West						Reservoir Basil-Pe	-		Gas Gathering Con SemGas, LP			ection				
Completion Date 01/10/2012					Plug Back 3941'	Total Dep	th	Packer Set at None								
Casing Size Weight 5.5" 15.5#				Internal D 4.950	iameter	Set		Perfo 388	orations 37'		то 3891'					
Tubing Si 2.375"	Tubing Size Weight 2.375" 4.7#				Internal D 1.995	lameter	Set - 389		Perfo SN	orations	То					
Type Completion (Describe) Natural						Type Fluid None	d Productio	n	Pump Unit or Traveling None			g Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Tubing						% C 0.25%	arbon Diox	ide	% Nitrogen 28.47%			Gas Gravity - G .739			3,	
Vertical Depth(H)							Pressure Taps Flange Tap						(Meter Run) (Prover) Size 2"			
Pressure	Buildu		Shut in				0:00am	. (AM) (PM)			27, 20				(AM) (PM)	
Well on L	ine:	1	Started Fel	oruary 2	7, 20	15 at 10	0:00am	. (AM) (PM)	Taken Fe	ebruary	28, ₂₀	at	10:00a	m_	(AM) (PM)	
						OBSERVED SURF			· ···			Duration of Shut-in 72 Ho				
Static / Dynamic Property	Oritice Size (inches) Circle one Meter Provor Proc psig (Pm		Differ ir	Pressure Differential in Inches H ₂ 0		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P ₁) or (P ₂) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In							- :		290.4	142			72			
Flow	.625	5	70.6 19		32	 -		179.4	95	109.4	24		0			
	— т				-	1	FLOW STI	REAM ATTE	IBUTES		1					
Plate Coefficcient (F _b) (F _p) Mcfd			Circle ane: Meter or ver Pressure psia	Exter	Press Extension P _m xh		ity or	Howing Temperature Factor F _{f1}	Fa	iation ctor	Metered Flo R (Mcfd)	w	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
1.914		85		40.19		1.163	1.	.028	1.00	-	92					
(P _c)² =_8	4.33		(P) ² =	32.18	:	(OPEN FLO	• •	/ERABILITY % (I	') CALCUL P _c - 14.4) +		:		(P _a) ² (P _d) ²	e 0.2	:07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	(P _c) ² - (P _w) ²		1. P _c ² - P _d ² 2. P _c ² - P _d ² vided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
84.13		52	.15	1.61		0.208		0.850	0.850		0.177		1.502		138	
- 420																
Open Flo	w 13	<u> </u>		Mcfd	@ 14.6	65 psia		Deliveral	bility 35			Mcfd @	14.65 psi	a		
		_	n, and that s	aid report		and correct	t. Executed	this the 2	8th		he above repo	W	nat he ha		ledge of 20 <u>15</u> .	
			Witness				APR 2	TION COMMISS	SION ,			Company				
			For Com	TILBSION			CHILL (J 2015			Che	cked by				

CONSERVATION DIVISION WICHITALKS

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Shelby Resources, LLC
	going pressure information and statements contained on this application form are true and
correct to the best	of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Eakin #5-7
	ounds that said well:
(Check	
	is a coalbed methane producer
	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
	is on vacuum at the present time; KCC approval Docket No
✓	is not capable of producing at a daily rate in excess of 250 mcf/D
	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 02/28/2015	<u>; </u>
KANSAS CORPOR APR 2 CONSERVATION WICHITA	Ceived ATION COMMISSION 3 2015 N DIVISION Title: Production Manager

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.