KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			•		(See Inst	ructi	ions on Re	verse Side	e)						
Op	en Flow	٧				Test Date	٠.				ΔPI	No. 15					
✓ Deliverabilty						06/08/2014 to 06/13/2014					API No. 15 071-20773 – 0000						
Company (RXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			e Operating, Inc			Lease C. Roe						Well Number #3					
County Greeley		Location E/2 NE NW N			Section / NE 29			TWP 17S			RNG (E/W) 40W				Acres A	Attributed	
Field Bradsha	w						Reservoir Lower Winfield, Upper			er Ft. Riley		hering Conn dstream	ection				
Completion 10/31/03)				Plug Bac 3048	k Total D	Depth	n		Packer S	Set at					
Casing S 4.5	Casing Size I.5			Weight 9.6			Internal Diameter 4			Set at 3048		Perforations 2928-2957		то 2962-2972			
Tubing Size			Weigh 4.7	Weight 4.7			Internal Diameter 1.995			Set at SN-2940		rations	То				
Type Cor Single ((Des	Describe)				Type Fluid Production Salt Water			*		nit or Traveling	Plunger? Yes / No				
	g Thru	(Annu	lus / Tubin	g)		% (arbon D	ioxic	de		% Nitrog	en		Gas Gr	avity - (G _g	
Tubing Vertical D	Depth(H))		-			-		sure Taps						, ,	rover) Size	
				10.0		.	Flang							2 inch			
Pressure	Buildup	: Sh	nut in06/	80	2	0_14_at_4	:45 PM	_	(AM) (PM)	Taken_06	5/13	20	14 e	3:15 P	M	(AM) (PM)	
Well on L	.ine:	St	arted		20	0 at						20	a	at		(AM) (PM)	
							OBSEF	RVE	SURFACE	E DATA			Durati	ion of Shut-	-in _118	8.5 Hours	
Static / Dynamic Property	namic Size		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	ut-In				2				132	145.4	psig	psia	118.5		n/a		
Flow																	
							FLOW S	STRI	EAM ATTR	IBUTES						,	
Plate Coeffiecient (F _b) (F _p) Mcfd		M Prove	Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{ft}		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G _m	
(P _c) ² =		:	(P _w) ² =	=	:	(OPEN FL	OW) (DE	LIVE	ERABILITY)) CALCUL P _c - 14.4) +		:		(P _a) (P _d)	$2^{2} = 0.2$	207	
(P _c) ² - (or (P _c) ² - (P _a) ²	(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:			Backpressure Cun Slope = "n" or Assigned Standard Slope		n x l	.og	,	Antilog	O _l Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					c w												
Open Flo					Mcfd @ 14.	65 peia			Deliverab	ility		•	Mofd 6	@ 14 65 pg	<u> </u>		
													***************************************	@ 14.65 ps			
					ehalf of the report is true						o make th	e above repo	ort and	that he ha		ledge of	
											ani	ce R	ip	ley	,	Received DRPORATION C	
			Witness (*******************************	911 VII. 0 1311	-	_		-	Fbr (Company cked by		NC	OV 102	
			1 01 001111									One	oneu by		CONS	FRVATION DIV	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the foregoing 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 installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Roe #3 gas well on the grounds that said well:
(Check one) 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
Staff as necessary to corroborate this claim for exemption from testing. Date: 10/28/2014
Signature:

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.