KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					0	See Inst	tructi	ions on Re	verse Side)						
Open Flow					Test Date:					API No. 15						
Delin	verabilty			4	5-22°						1-20788-0				·	
Company Horsesh	юе Ор	erating, Ir		•				Lease Floyd	Α				3-25	Well Nu	mber .	
County Location Greeley NW SW				Section 25			TWP 19S		RNG (E/W)			Acres Attributed				
Field Bradshaw				Reservoir Winfield				Gas Gathering Connection DCP Midstream								
Completion Date '				Plug Back Total Depth 2906				Packer S	Set at	••••						
Casing Size Weight 4.5 10.5				Internal Diameter 4.052			Set at 2910		Perforations 2836			то 53				
Tubing Size	ubing Size Weight			Internal Diameter			Set at 2783		Perfo	rations		То				
Type Completion (Describe) Single				Type Fluid Production Water				Pump Unit or Traveling Plunger? (Yes) / No								
		nulus / Tubi	ng)		% C	arbon D	loxid	le		% Nitrog	jen		Gas Gra	avity - G	, , , , , , , , , , , , , , , , , , ,	
Vertical De					·	P		ure Taps					(Meter F	Run) (Pr	over) Size	
2960				 	Flange								2"			
Pressure B	ulldup:	Shut in	5-21	20	12 at /	<u>2:40</u>	<u>o</u>	(AM) (PM)	Taken	5-2	2 20	/2 at	12:1	16.	AM) (FM)	
Well on Line	:	Started	.	20	at		'	(AM) (PM)	Taken	 -	20	at		(AM) (PM)	
		•		-		OBSER	WED	SURFAC	E DATA			Duratio	n of Shut-	n_2	Hours	
Static /	Orifice	ce Gircle one: Pressure Meter Differentia			Flowing	Well He		Casing		Tubing			Duration		Liquid Produced	
Dynamic Property	Size (Inches)	Prover Pres	sure in			Temperat t	mperature t	Wellhead Pressure (P _w) or (P _t) or (P _a)		Wellhead Pressure (P _w) or (P _t) or (P _a)		(Hours)		(Barrels)		
Shut-In	126	palg (Pm) Inches	H ₂ U				psig	ρsia	psig	psla		14	 -		
41	625	<u>' </u>					_		41.5	 	-	<u>`~</u>	. T	├		
Flow		.		ŀ				_			_l			J		
					1	FLOW S	STRI	EAM ATTR	IBUTES							
Plate Coefficcier (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure pale	Extens	Press Extension P _m xh		ity or	Flowing Temperature Factor Fig.		Fa	iation actor	Metered Flo R (Mcfd)	~	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
							,								ı	
					(OPEN FLO	OW) (DE	LIVE	RABILITY) CALCUL	ATIONS		•	(P.Y	² = 0.2	07	
(P _p) ² =	:	(P _w)2	=	:	P₀ = .		_%	. (1	P _a - 14.4) +	14.4 =	;		(P _a)			
(P _e) ² - (P _e) or (P _e) ² - (P _e)	1	P _e)*- (P _w)*	1. P.*- F 2. P.*- F	1, P ² -P ² 2, P ² -P ³		P. 2 - P.	Stop		essure Curve pe = "n" - or esigned	- пх	rod	Ar	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
	\dashv		divided by: P		by:	<u> </u>		Statio	tard Slope						· ·	
Open Flow			Mcfd Q	14.6	5 psia			Deliverat	oility			Mcfd @	14.65 psi	a		
		d authority, o							uthorized (day of	he above repo	ort and t	hat he ha		edge of 20 12	
•		Witness	(if any)				-	-		June	For	company (RE	CEIVED	
		For Com	mission				-	-		`	Che	cked by		JU	N 2 5 201	

KCC WICHITA

exempts and that correct t of equip	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. I the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. The reby request a one-year exemption from open flow testing for the Floyd A 3-25
	on the grounds that said well:
	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 mct/D
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date:	6-22-12 Signature: Signature
	Title: Production Assistant

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.