KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:					(See Instruc	tions on Rev	erse Sid	e)				
	pen Fl	ow											
Deliverabilty				Test Dat	e: //	API No. 15 071-20617-00-				00			
Compan					1/0/	/	Lease			1-20017-00-		144-11-11	
		рега	ting, Inc.		•		Nickelso	n			1	Well Numbe	ı r
County Location			Section		TWP		RNG (E/W)		Acres Attributed		uted		
Greeley C NE				4				39W					
Field Bradshaw				Reservoi Winfield		Gas Gathering Co DCP Midstream			ection				
Completi 2-16-19		ite	· · · · · · · · · · · · · · · · · · ·		Plug Bac 2830	k Total Dep	th	~	Packer None	Set at			
Casing S 4.5	ize		Weigh 10.5	nt	Internal (4.052	Diameter	Set at 2830		Perf 280	orations	т _о 2809		
Tubing S	ize		Welgi	 nt	Internal i	Diameter	Set at			orations	To		
2.375			4.7		1.995		2820)					
Type Cor Single -	- Gas	5			Type Flui Water	d Production	n			Init or Traveling Unit - Rod	Plunger? Yes	/ No	
		ı (An	nulus / Tubin	g)	% C	Carbon Dioxi	de		% Nitro	gen	Gas Gr	avity - G	
Annulus												-	
Vertical C	Depth(H)				Pres: Flan	sure Taps ge				(Meter I 2"	Run) (Prover) Size
Pressure	Builds	ب و ر:	Shut in	7/5 :	20 11 at 1	11:00	(AM) (PM)	Taken	7/	6 20	// at //.'0	O (AM)	——— (PM)
Well on L	.ine:		Started	2	20 at	· · · · · · · · · · · · · · · · · · ·	(AM) (PM)	Taken		20	at	(AM) ((PM)
			· · · · · · · · · · · · · · · · · · ·			OBSERVE	D SURFACE	DATA			Duration of Shut-	in <u>24</u>	_ Hours
Static /	Orii		Circle one: Meter	Pressure Differential	Flowing	Well Head	Casin Wellhead P			Tubing ead Pressure	Duration	Liquid Prod	ali i a a a a
Dynamic Property	Si: (Incl		Prover Pressu	<i>ire</i> In	Temperature t	Temperature t	(P _w) or (P _t)	-		× (P,) or (P,)	(Hours)	(Barrels	
Shut-In	.7:	50	psig (Pm)	Inches H ₂ 0		· · · · · · · · · · · · · · · · · · ·	psig	gsia 96	psig	psla	24	-	
Flow	-			· · · · · · · · · · · · · · · · · · ·			-	·/·····				 	
					l				L		·	<u> </u>	
·	-			1		FLOW STR	EAM ATTRIE	BUTES					
Plate Coeffieclent (F _b) (F _p)		Circle one: Meter or Prover Pressure		Press Extension	Gravity		Temperature		viation Metered Flow		GOR		owing
				✓ P _m xh	Fact F _q	Of	Factor	Fa:			(Cubic Fed Barrel)	et/ Fluid Gravity	
Mcfd			psla	IB.			F,,		P*	(141010)	Dalleli	(G _m
						ļ							
				<u> </u>	(OPEN EL (JW) (DELIVI	ERABILITY)	CALCUL	ATIONS				
(P _a) ² =			(P _w) ² =		P _d =.							= 0.207	
		<u> </u>		Choose formula 1 or 2			1	- 14.4) +		: :	(P _d) ²		
(P _a)² - (F		(P	a)2 - (P_)2	1. P.2. P.2	LOG of formula		Backpress Slope		n x	[]		Open Flo	i i
or (P _a)²- (F	2,)2			2. P _c ² -P _d ²	1. or 2. and divide	P _c ² - P _w ²	Assig	r med	"^		Antilog	Deliverabi Equals R x A	-
				divided by: P.2 · P.			Standar					(Mcfd)	,
									ł				
									_ -				
							<u> </u>						
Open Flov	<u>~</u>			Mcfd @ 14.	65 psia		Deliverabili	y		ļ	victo @ 14.65 psia		
The u	ınders	igned	authority, or	behalf of the	Company, st	ates that he	is duly auth	orized to	make th	ne above repor	t and that he has	knowledge	of
				id report is true			,	/_		augu	at.	/	Ĵ
	(I		., u uus oa		and confect	. Lacculed I	HI		day of	everyu	1	, 20	<u></u> .
				T+			_	_()	ani l	e Ki	slewor	^⊏n	
			Witness (if	any)				1		For	ompany	OFIVED	
	_:	-	For Commi	ssion						Check	and by AUG	i 1 a -2n +	11
										250		· • 3 4U/	11

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 Nickelson 1
gas well 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 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: 8/16/11
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.