KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:						(See Instru	ıctions on Re	verse Side	9)					
	pen Flo	w										1.5			
D4	eliverat	bilty				7-17-	12			15	1 No. 15 -075-20727	1' 7-80-00	ı		
Compan		One	erating, Ir	nc.				Lease Buck				1-3	Well N	lumber	
County		~р.	Loca		 I	Section	<u>-</u>	TWP		RNG (E	/W)		Acres	Attributed	
Hamilte	on		S/2 N	IE.		3		238		40W					
Field Bradshaw						Reservoir Chase					Gathering Connection P Midstream				
Completi 2-5-20		te		· · · <u>· · · · · · · · · · · · · · · · </u>	<u> </u>		k Total De	pth		Packer		ц			
Casing 8	ize		Weig 10.5		·		Diameter	Set 2		Perfo 259	orations 8	To 2607			
Tubing S	ize		Weig			Internal I	Diameter	Set a	nt		orations	То			
2-3/8 Type Cor	nalotio	- (D	4.7		 ··	2.000	d Desduct	279	7	Ouran ()	-is a. Tue	Ohiomas Van	/ No		
Single-		RT (D	escnoe)			Water	d Producti	on		Pump	nit or Traveling Un it	Prunger/ tes	/ NO		
Producin	g Thru	(Ani	nulus / Tubi	ng)		% (Carbon Dioxide			% Nitrogen		Gas Gravity - G _g			
Vertical [Pepth(F	1)		•			Pre	ssure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildu	ıp:	Shut in	-	3-6 2	0/2at_	10:00	_ (AM) (PM)	Taken	3-	7 20/	12 at 10.0	00	(AM) (PM)	
Well on L												at		(AM) (PM)	
							OBSERV	ED SURFACE	E DATA			Duration of Shut-	In <u>@</u>	74 Hours	
Static /	Orlfi		Circle one: Mater		Pressure Differential	Flowing	Well Head	Cas Wellhead		1	Tubing ad Pressure	Duration	Linu	id Produced	
Dynamic Property	Siz (Inch		Prover Press		In Inches H ₂ 0	Temperature t	Temperatur t	e (P_) or (P,) or (P _c)	(P,,) o	r (P ₁) or (P ₂)	(Hours)		(Barrels)	
Shut-In	.50	20	poig (i m		IIICHGS 11gO			psig /	psta	psig	psia	24			
Flow															
							FLOW ST	REAM ATTRI	BUTES						
Plate			Clicie one; Meter or		Press	Grav	rity	Flowing	Dev	lation	Metered Flow	GOR		Flowing	
Coefficient (F _e) (F _p)		Prover Pressure			Extension P_x h	Fact F		Temperature Factor		ctor •	R (Mcfd)	(Cubic Fe Barrel)		Fluid Gravity	
Mcfd			psia ————————————————————————————————————	\vdash				F _n	ļ	••	(140.0)			G _m	
													,,,,,, ,,,,	1	
(P _c)² ≈			(P _w)² =	_	•		OW) (DELI	VERABILITY) % (P				(P _a)	² = 0.2	207	
		-			se fomula 1 or 2:	P _d = .		<u> </u>	- 14.4) +		<u>·</u>	(1 4)			
(P _a) ² - (P _a) ²		(P _c)²-(P _w)²		1	. P.2 - P.2	LOG of formula		Backpressure Curv Slope = "n"		n x LOG		Antilog		Open Flow Deliverability	
(P _e)2- (P	,)²		ļ	o Mai	idby: P²-P₂² edby: P²-P₂²	1, or 2. and divide by:	P. 2 - P. 2	Ass	or igned ard Slope			Anthoy	Equal	s R x Antilog (Mcfd)	
Open Flow	<u> </u>				Mcfd @ 14.6	5 psia		Deliverabi	lity		N	Acfd @ 14.65 psi	a		
The u	ndersig	gned	authority, o	n be	half of the (Company, st	ates that h	ne is duly aut	thonzed to	make th	e aboye repor	t and that he ha	s knov	vledge of	
ne facts st	ated th	erein	, and that s	aid n	eport is true	and correct	. Executed	this the	16	day of	_apr	il	······································	20 <u>12</u> .	
			Witness (1			RECI	EIVED -		Jan	ice K	ipley		· · · · · · · · · · · · · · · · · · ·	
		_	<u> </u>		<u>.</u>			_		0		()			
			For Comm	=SSION)		MLK]	8 2012-			Check	ced by			

KCC WICHITA

	1 -							
I declare und	der penalty of perjury under the laws of the state of Kansas that I am authorized to reque							
exempt status un	der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.							
and that the fore	going pressure information and statements contained on this application form are true an							
correct to the bes	st of my knowledge and belief based upon available production summaries and lease record							
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named							
i hereby requ	lest a one-year exemption from open flow testing for the Buck 1-3							
gas well on the g	rounds that said well:							
(Check	(one)							
	is a coalbed methane producer							
H	is a coalised methalie produce: 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							
7	is not capable of producing at a daily rate in excess of 250 mcf/D							
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commiss							
taff as necessar	y to corroborate this claim for exemption from testing.							
11/11	(10							
Date: 4/16/								
·								
	\sim \sim 1							
	Signature: Janice Ripley							
	Title: Production Assistant							
	Title.							

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.