KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	everse Side	e) [.]				
Op	en Flow			Toot Dat	Test Date: ,				No. 15			
Deliverabilty L				4-3-1	4-3-14				API No. 15 075-20705-00-00			
Company Horsesh		erating, Inc.		į.	Lease Wilcox			Well Number 1				
County Location Hamilton C SE			Section 34		TWP 22S			W)		Acres Attributed		
Field Bradshaw				Reservoi	Reservoir			Gas Gathering Connection DCP Midstream				
Completion Date 10-13-99				Plug Bac 2721	Plug Back Total Depth 2721				Packer Set at			
Casing S 4.5	•			Internal 4.052	Internal Diameter Set at 4.052 2740			Perforations To 2669-72;77-79'; 87. 89.; 27.65				
	ubing Size Weight				Internal Diameter Set at 1.995 2711			Perforations To				
Type Completion (Describe) Single - Gas					Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No				
Producing		Annulus / Tubii	ng)	% (% Carbon Dioxide				% Nitrogen Gas Gravity - G			
Vertical C				· · · · · ·	Pres	sure Taps	•			(Meter	Run) (Prover) Size	
Flange 2"												
Pressure	Buildup:	: Shut in	4-2	20 <i>14</i> at _	8:00	(AM))(PM)	Taken	4-	3_20/	14 at 8.	100 (AM) (PM)	
Well on L	ine:	Started	2	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
and the fig.	y .		., 		OBSERVE	D SURFAC	E DATA	,		Duration of Shut	in 24 Hours	
Static / Orifice Dynamic Size		Meter Prover Pres	Differential	Flowing Temperature		Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours).	Liquid Produced (Barrels)	
Property	(inches	psig (Pm		t	t	psig	psia	psig	psia			
Shut-In	.750	/			ļ <u>, </u>		1/3.1	;		24		
Flow				<u>l</u>	<u> </u>			<u> </u>	1 1		:	
	- 1	Circle one:	1		FLOW STR	REAM ATTE	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia	Press Extension	Fac	Gravity Factor		Flowing Dev Temperature Fi Factor Fi		Metered Flow R (Mcfd)	GOR (Cubic Fo Barrel	Grounds 1	
	4	· · · · ·	- 1:	1	/ //							
				(OPEN FL	OW) (DELIV	ERABILITY	/) CALCUL	ATIONS		(P.)	$rac{1}{rac}{1}{rac{1}{rac}{1}{rac}{1}{rac}}}}} } } } } } } } } } } } } } } } } $	
(P _o)² =		: (P _w)²		P _d =		% (P _c - 14.4) +	14.4 =	:	(P _d		
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		$(P_c)^2 - (P_w)^2$ Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		LOG of formula 1. or 2. and divide	formula 1. or 2. and divide P2 P 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			divided by: Pc - P	2 by:	ب ب	Stant	aara Siope			· · · · · · · · · · · · · · · · · · ·		
					•							
Open Flo	w		Mcfd @ 14	.65 psia	y	Deliverat	bility			vicid @ 14.65 ps	ia	
The	undersig	ned authority,	on behalf of the	Company,	states that h	e is duly a	uthorized t	o make th	e above repor	t and that he ha	as knowledge of	
he facts s			såld report is tru		t. Executed	this the	9	day of	suply	nugs	, 20 <u>14</u> .	
		Witness	(if any)		<u></u>	· · · · · · · · · · · · · · · · · · ·	· (anu	l Ki	DUMPSA Empany	Received S CORPORATION COMMISSI	
		For Com	nmission			-	\mathcal{U}		Check	(ed by	OCT 0 2 2014	
		1. 14. N. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17		i i		,				CO	NSERVATION DIVISION WICHITA, KS	

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 Wilcox #1										
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 metro										
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: 9-3-14										
Signature: Janiel Ripley 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.

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W.CHITA, FS