KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			0	See Instructi	ions on Reve	rse Side)			
Open Flow			Toet Bate:				ΔDI	No. 15			
Deliverabilty			7726111			API No. 15 15-071-20116 - ()()(Y)					
Company Horseshoe Operating, Inc.			Lease Kuder					.,	1	Well Number	
County Location Greeley C NW/NW		Section 1		TWP 18S		RNG (E/W) 40W		Acres Attributed			
Field Bradshaw		·		Reservoir Winfield			Gas Gathering DCP Midstr		_	ection	
Completion 8-13-19		· · · · · · · · · · · · · · · · · · ·	•	Plug Bac 3019	k Total Dept	h	·	Packer S	Set at		
Casing Size 4.5		Weight 10.5		Internal Diameter 4.052		Set at 3021		Perforations 2956-62		то 2924-34	
Tubing Size · 2-3/8		Weigh	Weight 4.7		Diameter	Set at 2986		Perforations		То	
Type Cor Single-		Describe)		Type Flui	d Production	<u> </u>		Pump Ur	nit or Traveling Unit	Plunger? Yes	/ No
71 .	g Thru (A	Annulus / Tubing))	% C	arbon Dioxid	te et	···· <u>·· ··</u>	% Nitrog	eл	Gas Gr	avity - G _e
Vertical C		<u> </u>			Press	pure Taps				(Meter	Run) (Prover) Size
Pressure	Buildup:	Shut in	1/25 2	0 // at /	0.45	(ÂM) (PM) 1	aken	7/2	6 20	1/ at 10:4	
Well on L	ine:	Started	2	0 at	······································	(AM) (PM) 1	aken			at	_
		····			OBSERVE	D SURFACE				Duration of Shut-	In 24 Hours
Static / Orific Dynamic Size Property (inche		Meter Differential Prover Pressure in		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _a) or (P ₄) or (P ₆)		Tubing Wellhead Pressure (P,) or (P,) or (P,)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.62	paig (Pm)	Inches H ₂ 0	•	,	psig	36.	psig	psia	24	
Flow	, , , , ,						<u> </u>				
					FLOW STR	EAM ATTRIE	BUTES				
Plate Coefficient (F _b) (F _p) Mcfd		Circh one: Moter or Prover Pressure psia Prover Pressure		Grav Fact F _e	tor T	emperature Fac		riation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrei)	1 Gravita
(P _c)² ≈		(P ₌)²≈		(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL - 14.4) +		•	(P,) (P,)	² = 0.207
(P.VI-1)			Choose themula 1 or 2 1, P.2-P.2			Backpress	sure Curve			\ o	Open Flow
(P _a) ² -(P _a) ²		2. P ₂ - P ₃ and the desired by: P ₂ - P ₃ and the desired by: P ₂ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ and the desired by: P ₃ - P ₃ - P ₃ and the desired by: P ₃ - P ₃ - P ₃ and the desired by: P ₃ - P ₃	formula 1, or 2, and divide	P.*-P.*	Assi	= "n" or gned rd Slope	- n x	rog	Antilog	Daliverability Equals R x Antilog (Mcfd)
								!			
Open Flo	w		Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	18
	_	ed authority, or				-	horized I	day of	augu	ort and that he ha	as knowledge of 20
		Witness (any)			<u> </u>	(Jan	ce K	CONTRACT TO THE CONTRACT OF TH	DPA
		For Comm	ssion			_	-,	<u> </u>	Che	cked by	RECEIVE

AUG 1 1 2011

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 Kuder #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 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: 8/3///
, ·
Signature: Canice 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.