## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Horseshoe Operating, Inc.   Nickelson   1   Well Number   1   Nickelson   1	Type Test:					(See Instru	ctions on Re	verse Sid	e)			•		
Company   Consented Operating, Inc.   Nickelson   1   Well Number   County   Count								. •			00			
Acres Altribute   Continue   Pressure Tape   Plump Unit - Rood	Company Horsesho		ating, Inc.		_ / _ /			on			- ,	Well N	lumber	
Prosecute Taps Fland Production Flang Star    Weight								, ,		Acres Attributed				
Properties   Plug Back total Depth   Plug Back total	Field Bradshav	N				**			Gas Ga	thering Conn	ection			
Description						ck Total Dep	oth			Set at	·			
well of Size   Weight   Internal Diameter   Set at   2820   Perforations   To	Casing Siz 4.5	ze				Diameter			Perforations					
ype Completion (Describe)  Type Fluid Production  Water  Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod  Pump Unit - Rod  Pump Unit - Rod  Resource Taps  (Meter Run) (Prover) S  Flange  Pressure Taps  Flange  Pressure Taps  (Meter Run) (Prover) S  Flange  Pressure Taps  (Meter Run) (Prover) S  Flange  Pressure Buildup: Shut in 7-1/20 at 9/20 at	Tubing Size Weight			ght		Diameter	Set at				· · · · · · · · · · · · · · · · · · ·			
Carbon Dioxide   Whiteses (I arry)   Season Dioxide   Whiteses (I arry)   Pressure   Processor   Pressure	Type Comp Single -	pletion (E Gas	escribe)						Pump U	nit or Traveling Unit - Rod	Plunger? Yes	/ No		
Flange  Teasure Buildup: Shut in 7-1/20/3 at 9/30 (M) (PM) Taken 7-1/8 20/3 at 9/30 (M) (PM) (PM) Taken 20/3 at 9/30 (M) (PM) (PM) (PM) (PM) (PM) (PM) (PM)	Producing Annulus	Thru (An	nulus / Tubi	ing)	% (	Carbon Diox	ide ,	<u> </u>			Gas G	iravity -	G <sub>g</sub>	
ressure Buildup: Shut in 7-1 20 3at 7:20 (AM) (PM) Taken 7-18 20 3 at 9:20 (AM) (PM) (PM) Taken 20 at (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	/ertical De	pth(H)										Run) (f	Prover) Size	
Started   20 at   (AM) (PM) Taken   20 at   (AM) (PM) (PM) Taken   20 at   (AM) (PM) (PM) (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	Pressure B	Buildup:	Shut in	7-17	013 <sub>at</sub>	9:20	(AM) (PM)	Taken	7-1	18 200	13 at 910	30	ANN (DM)	
Continue   Circle one:   Pressure   Prover Pressure   Circle one:   Prover   Pressure   Circle one:   Circle one							$\overline{}$						(AM) (PM)	
Static / Orifice one: Moter of prover Pressure poperty (inches) Position (inches) Position of position		<del></del>				OBSERVE	D SURFACE	DATA	<u> </u>	·	Duration of Shut	t-in $ otin $	24 Hou	
Flow  Flow  Flow  Flow STREAM ATTRIBUTES  Plate   Circle one:   Circle o	Dynamic Size		Meter Prover Press	Differential in	Temperature Temperatur		Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration Liquid		id Produced	
Flow STREAM ATTRIBUTES  Plate Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Moter or Prover Pressure psia   (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P <sub>p</sub> ) <sup>2</sup> = (P <sub>p</sub> ) <sup>2</sup>	Shut-In	750					1		psig	psia	24	-		
Plate Coefficient Coefficient Prover Prover Pressure Pres	Flow					*					-			
Coefficient (F <sub>p</sub> )(F <sub>p</sub> ) Prover Pressure psia Psia Psia Psia Psia Psia Psia Psia P		·   -		T	·	FLOW STR	EAM ATTRIE	UTES		· · · · · · · · · · · · · · · · · · ·			·	
P =   (P w)² =   P =   % (P - 14.4) + 14.4 =   (P - 14.4) + 14.4	Coeffiecien		Meter or ver Pressure	Extension	Fact	or T	emperature Factor	Factor		R	(Cubic Feet/		Flowing Fluid Gravity G <sub>m</sub>	
P =   (P w)² =   P =   % (P - 14.4) + 14.4 =   (P - 14.4) + 14.4										•				
P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub>	,)² =	:	(P <sub>w</sub> )² =	<del></del> :						:			07	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of acts stated therein, and that said report is true and correct. Executed this the	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		c)² - (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n" or Assigned		T	og [ , ]		Open Flow Deliverability Equals R x Antilog		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of acts stated therein, and that said report is true and correct. Executed this the		-				:			<del> </del>					
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of acts stated therein, and that said report is true and correct. Executed this the	en Flow			Mcfd @ 14.6	4.65 psia		Deliverability		<u> </u>		lofd @ 14 SE poi	14.65 psia		
For Company (	facts state	d therein	, and that sa	aid report is true	and correct.	Executed to	is duly auth	orized to		<del></del>			edge of 0 13	
								- (	/ 	For Čor	nglany /			

exempt status un	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Nickelson 1 ounds 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 eto supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	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.

RECEIVED SECRIPED SIGN CONSERVATION DIVISION WICHITA, KS