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

State   Orifice   Oylandic   Size   Prover Pressure   Olificential   Flowing   Inches   Property   (Inches)   Prover Pressure   Project   (Inches)   Prover Pressure	Type Test	t:				(	See Instruc	tions on Rev	verse Side	)					
Deliverability	Open Flow					Total Date:				A D I	No. 15				
Allas Operating LLC	Deliverabilty											00-00			
Harper   W2,W2,E2,NW   32   31S   9W						_									
Spring Grabs-Basil												,	Acres A	attributed	
A   A   A   A   A   A   A   A   A   A	Field										ection				
4.17	•								Packer 9	Set at					
2.3/6"   4.7   1.995							Diameter					= '='		<u> </u>	
Casing OIL & WATER Yes-Pump  Producing Thru (Annolus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G.  ANNULUS 0.0727 14,9761 0.7080  Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size (M		lize	-	<del></del>						Perforations		То			
Note	Type Completion (Describe)								-		Plunger? Yes / No				
Pressure Buildup: Shut In O9/15 20 15 at 11:00 AM (AM) (PM) Taken O9/16 20 15 at 11:00 AM (AM) (PM)  Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA Duration of Shut-In 24 Hour Starter (Inches) Prover Pressure Property (Inches) Prover Pressure Property (Inches) Prover Pressure Pressure Prover Pressure Prover Pressure Pressure Prover Pressure	- ,								<del>-</del>						
Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA Duration of Shut-in 24 Hour State of Children Meter Properly (Inches) Pro	Vertical D	Depth(i	1)		-		Pres	ssure Taps				(Meter I	Run) (Pi	rover) Size	
Static / Ordifice	Pressure	Buildu	 ip;	Shut in _09/	15 2	0 15 at 1	1:00 AM	. (AM) (PM)	Taken_09	9/16	20	15 at 11:00	AM (	AM) (PM)	
Static   Ordifice	Well on Line: Started				2	20 at (AM) (PM)			Taken		20	at	(	(AM) (PM)	
Static   Orifice   Organic   Prover Pressure   Pressure   Prover Pressure   Prover Pressure						•	OBSERVE	ED SURFACE	E DATA			Duration of Shut-	<sub>in_</sub> 24	Hours	
FLOW STREAM ATTRIBUTES    Plate   Coefficient (F, )(F, ))   Prosessing plane   Prover Processing	Dynamic	Siz	:6	Meter Prover Pressu	Differential in	Temperature Temperature		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>g</sub> )		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )				•	
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Mode Prover Pressure psia  (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P <sub>p</sub> ) <sup>2</sup> =	Shut-In			[2.5 (* m)				<del>                                     </del>	psia		psia				
Plate Coefficient (F <sub>p</sub> )(F <sub>p</sub> ) (F <sub>p</sub> )	Flow														
CoefficeInt (F <sub>p</sub> ) (F <sub>p</sub>	- Breat			Circle one:		<del></del>	FLOW STI		IBUTES				_		
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P <sub>o</sub> ) <sup>2</sup> =	Coeffied (F <sub>b</sub> ) (F	cient = <sub>p</sub> )	Pro	Meter or over Pressure	Extension	Fac	tor	Temperature Factor		ctor	R	(Cubic Fe	eV	Fluid Gravity	
(P <sub>c</sub> ) <sup>2</sup> = (P <sub>w</sub> ) <sup>2</sup> = : P <sub>d</sub> = % (P <sub>c</sub> -14.4) + 14.4 = : (P <sub>d</sub> ) <sup>2</sup> =															
(P <sub>c</sub> ) <sup>2</sup> -(P <sub>s</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> -(P <sub>d</sub> ) <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> 2. I. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> 2. I. OG of formula 1. or 2. 1. or 2. and divide by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> 3. Deliverability 1. or 2. and divide by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> 3. Deliverability 1. or 3. Assigned Standard Slope 1. or 3. Assigned 1. or 3. Assign						•		-						07	
Open Flow  Mcfd @ 14.65 psia  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 the facts stated therein, and that said report is true and correct. Executed this the 31ST day of DECEMBER  Witness (if any)  Open Flow  Mcfd @ 14.65 psia  Deliverability  Nord @ 14.65 psia  Deliverability  Nord @ 14.65 psia  Nord @ 14.65 psia  Open Flow  Antilog  Open Flow  Nord @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  Deliverability  For Company  For Company  For Company  For Company  IAN 04 20166	(P <sub>c</sub> ) <sup>2</sup> =		<del>=</del> :						<del>`</del>	i	<del></del> :	(P <sub>d</sub> )	'= T		
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 the facts stated therein, and that said report is true and correct. Executed this the 31ST day of DECEMBER , 20 15  Received  Witness (if any)  For Company  IAN 04 2016			$(P_c)^2 - (P_w)^2 \qquad 1. P_c^2 - P_a^2$ $2. P_c^2 - P_d^2$		LOG of formula 1. or 2.		Slope = "n"  Assigned		n x LOG		Antilog	Del Equals	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 the facts stated therein, and that said report is true and correct. Executed this the 31ST day of DECEMBER , 20 15  Received  Witness (if any)  For Company  IAN 04 2016															
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the facts stated therein, and that said report is true and correct. Executed this the 31ST day of DECEMBER , 20 15  Received  Witness (if any)  For Company  IAN 0 4 2016			inne	d sutherity or		-	totoe that l			n maka +				ledge of	
Witness (if any)  KANSAS CORPORATION COMMISSION  For Company  IAN 14 2016			_	*				-			•	——————————————————————————————————————		_	
				Witness (i	any)				IMISSION		For C	Company			
For Commission Chacked by		For Commission				JAN 0 4 2016				-	Checked by				

CONSERVATION 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 Atlas Operating, LLC								
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 Green # 10								
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: 12/31/2015								
Signature:  Received KANSAS CORPORATION COMMISSION  Title: ENGINEER  JAN 0 4 2016  CONSERVATION DIVISION WICHITA, KS								

## 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.