KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Rev	erse Side)					
✓ Op	en Flo	w			Test Date	ı.			ΔPI	No. 15				
Del	liverab	ilty			7/26/20					-22072-000	0			
Company Daystar		eum	n, Inc.				Lease Barnhare	dt A			3	Well Nu	ımber	
County Seward			Location 1220 FS	on SL, 430 FEL	Section 430 FEL 23		TWP 31S		RNG (E/W) 31W			Acres Attributed 640		
Field Thirty-Or	ne SV	V.			Reservoir Morrow	7	1	÷		hering Conne	ection		·	
Completic 01/27/07		e			Plug Bac 5823	k Total Dep	th	Packer Set at N/A		Set at				
Casing Size 5.5			Weight 15.5		Internal Diameter		Set at 5903		Perfo 2SF	rations PF	то 5467-	т _о 5467-5496		
Tubing Size 2.375			Weigh	;	Internal Diame		ter Set at 5362		Perfo	rations	То	То		
Type Con Gas	npletio	n (De			Type Flui NA	d Productio		<u>-</u>	Pump Ur	nit or Traveling	Plunger? Yes	/ No		
Producing	g Thru	(Anr	nulus / Tubing)		arbon Diox	ide		% Nitrog	jen	Gas G	ravity -	G ₀	
Tubing Vertical D	enth/F	1)				Pres	sure Taps	 	,		(Meter	Bun) (P	rover) Size	
											V -1			
Pressure	Buildu	p: :	Shut in	<u> </u>	15 at 1	0:00 am	(AM) (PM)	Taken 7/	26	20	15 at 10:00	am	(AM) (PM)	
Well on L	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	ED SURFACE	DATA			Duration of Shut	-in	Hours	
Static / Orifice Dynamic Size Property (inches		e Prover Pressure		I	lemperature lempera		I Walihaad Proceura		Tubing Wellhead Pressure (P _w) or (P _l) or (P _c)		Duration (Hours)	,	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig psia		psig psia		24			
Flow					,			•	•,	7				
				•		FLOW ST	REAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Extension Fact		Flowing Temperature Factor F _{ft}		iation ctor pv	Metered Flow R (Mcfd)	y GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
	J		,					1						
(P _c)² =		:	(P _w)² ≔	:	(OPEN FLO	. ,	/ERABILITY) % (P	CALCUL 14,4) +		:) ² = 0.2) ² =	207	
$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		(P _o) ² - (P _w) ²		Choose formula 1 or 2 1. P _o ² - P _d ² 2. P _o ² - P _d ² divided by: P _o ² - P _w	LOG of formula 1, or 2. and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope			roe	Antilog	O De Equal	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	<u> </u>			Mcfd @ 14	65 psia		Deliverabi	lity	!		Mcfd @ 14.65 ps	ia.		
		ignec	authority, or	- ;		states that h			o make th		rt and that he h		ledge of	
the facts st	tated t	herei	n, and that sa	id report is tru	and correc	t. Executed	this the 9ti	<u>n</u>	day of S	eptember			20 15	
						Re	Ceived RATION COMMU				oleum, Inc.			
			Witness (if	any)		CED		1/6	711.	For C	bripany			
			For Commi	ssion		OCHOREN	1 1 ZUI3-	<i>y</i> - <i>G</i>	X IUW	Chie	ked by			

CONSERVATION DIVISION WICHITA, KS

exempt status under and that the foregoi correct to the best o of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator Daystar Petroleum, Inc. ing pressure information and statements contained on this application form are true and if my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the Barnhardt A 3
gas well on the grou	unds that said well:
ight in the state of the state	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary t	to corroborate this claim for exemption from testing.
Date: 9/9/2015	
KANSAS CC	Signature: Walker J. J. Signature: Vice President EP 11 2015

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.