KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Open F Delivera Company Atlas Operat County HARPER Field SPIVEY G Completion D 01/24/62 Casing Size 5 1/2 Tubing Size 2 3/8 Type Complet CASING	ting L RABS Date	Location NE-NV S Weight 15 1/2 Weight 4.7	V-NE	Section 7 Reservoir MISSIS Plug Back 4496 Internal C 2 Type Fluid OIL & V	SSIPPI k Total Diameter Diameter d Produc WATEI	Set at 4525 Set at ction	t d	RNG (E/W 8W Gas Gathe ONEOH Packer Se Perfora 4380 Perfora	77-10140 —	2	Well Number Acres Attributed	
Company Atlas Operat County HARPER Field SPIVEY G Completion D 01/24/62 Casing Size 5 1/2 Tubing Size 2 3/8 Type Complet CASING	SRABS Date	Location NE-NV S Weight 15 1/2 Weight 4.7 escribe)	V-NE	Section 7 Reservoir MISSIS Plug Back 4496 Internal C 5 Internal C 2 Type Fluir OIL & V	SSIPPI k Total Diameter Diameter d Produc WATEI	TWP 31 Depth Set at 4525 Set at ction	t d	RNG (E/M 8W Gas Gathe ONEOk Packer Se Perfore 4380	77-10140 —	2 Cotion To 4450	Acres Attributed	
Atlas Operational County HARPER Field SPIVEY G Completion D 01/24/62 Casing Size 5 1/2 Tubing Size 2 3/8 Type Complet CASING	RABS Date	Location NE-NV S Weight 15 1/2 Weight 4.7 escribe)	V-NE	7 Reservoir MISSIS Plug Back 4496 Internal D 5 Internal D 2 Type Fluit OIL & V	SSIPPI k Total D Diameter Diameter d Product WATEI	TWP 31 Depth Set at 4525 Set at ction	t d	Gas Gather ONEOH Packer Se Perfora 4380 Perfora	ering Connect t at	2 / A / A / A / A / A / A / A / A / A /	Acres Attributed	
HARPER Field SPIVEY G Completion D 01/24/62 Casing Size 5 1/2 Tubing Size 2 3/8 Type Complet CASING	oate tion (De tru (Ann h(H)	NE-NV S Weight 15 1/2 Weight 4.7 escribe)	V-NE	7 Reservoir MISSIS Plug Back 4496 Internal D 5 Internal D 2 Type Fluit OIL & V	SSIPPI k Total D Diameter Diameter d Product WATEI	31 Depth Set at 4525 Set at	t t	Gas Gather ONEOH Packer Se Perfora 4380 Perfora	ering Connect t at	to 4450		
SPIVEY G Completion D 01/24/62 Casing Size 5 1/2 Tubing Size 2 3/8 Type Complet CASING	oate tion (De tru (Ann h(H)	Weight 15 1/2 Weight 4.7 escribe)		MISSIS Plug Back 4496 Internal E 5 Internal E 2 Type Fluit OIL & V	SSIPPI k Total D Diameter Diameter d Product WATEI	Set at 4525 Set at ction	l l	Perfore 4380 Perfore	t at tions	то 4450		
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5 1/2 Tubing Size 2 3/8 Type Complet CASING	nru (Anr ; h(H)	15 1/2 Weight 4.7 escribe)		5 Internal E 2 Type Fluid OIL & V	Diameter d Produc WATEI	4525 Set at	t	4380 Perfora		4450		
2 3/8 Type Complet CASING	nru (Anr ; h(H)	4.7 escribe)		2 Type Fluid OIL & V	d Produc	etion			tions	То		
Type Complet CASING	nru (Anr ; h(H)	-)	ÖIL & \	WATE					То		
Producing Th	h(H)	nulus / Tubing)	% C				Pump Unit or Traveling Plunger? Yes / No PUMP UNIT				
ANNULUS	h(H)				% Carbon Dioxide			% Nitroge	າ	Gas Gra	Gas Gravity - G _o	
Vertical Depth	ldup: (Р	ressure Taps					Run) (Prover) Size	
	ldun: 9					PE				4		
Pressure Build	iuup	Shut in	30 2	0_10_at		(AM) (PM)	Taken_10	/31	20 .	10 at	(AM) (PM)	
Well on Line:	;	Started	2	0 at		(AM) (PM)	Taken		20 .	at	(AM) (PM)	
					OBSEF	RVED SURFACE	DATA		[Ouration of Shut-I	in 24 Hours	
Dynamic S	ynamic Size Proven		Pressure Differential			I Mallhaad F	Pressure	1		Duration (Hours)	Liquid Produced (Barrels)	
Property (in	iches)	psig (Pm)	Inches H ₂ 0	t	t	psig	psla	psig	psia			
Shut-In						205						
Flow												
					FLOW	STREAM ATTRI	BUTES					
Plate Coefficeient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia Pre Pre Exten		Grav Fac F _e	tor	Flowing Temperature Factor F _I ,	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G _m	
P _c) ² =		(P _w) ² =	,	(OPEN FL		LIVERABILITY)	CALCULA - 14.4) +		•	(P _a) ²	² = 0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$	(F		1. P _c ² - P _c ² 2. P _c ² - P _c ²	LOG of formula		Backpres Slop	sure Curve e = "n" or	n x LC	og D	Antilog	Open Flow Deliverability Equals R x Antilog	
, c, , (, a)	+		divided by: $P_c^2 - P_w$	and divide 2 by:	P.2 - P.		ard Slope		L J		(McId)	
				1								
Open Flow Mcfd @ 14.65				.65 psia		Deliverabi	Deliverability Mcfd @ 14.65 psia					
		•		, .		•		make the	•	t and that he ha	s knowledge of	
ie iacis siaie	u merei	iii, anu that Sa	на героп із (га	anu correc	a. EXECL	uted this the 8th	· C	Jay OI			, 20	
		Witness (i	fany)			_ _			For Co	mpany	RECEIV	
		For Comm	ission						Check	ed by	NOV 1 2	

exempt status und and that the fore correct to the bes	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 Atlas Operating LLC going pressure information and statements contained on this application form are true and tof 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.
	est a one-year exemption from open flow testing for the KERNOHAN #2
	rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
	Signature: Amy Maray Title: Production Coordinator

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.