KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST,

Type Tes	t:					((See Instru	ctions on Re	everse Sid	e)					
	en Flo liverab					Test Date	e:				No. 15 1 85-12,143- (0001			
Company		ts O	il Co., L.C.					Lease HARD	ΓEN		oww	_	Well Nu	ımber	
County Location Stafford SESESE			Section 11		TWP 24S			RNG (E/W) 15W		Acres Attributed					
Field Macksville East				Reservoi Viola	r			Gas Gathering Conne		ction		NOV 05			
Completion Date 8-23-1983			Plug Bac	ck Total De	oth		Packer Set at 4188'			NOV O.					
Casing Size Weight 4 1/2" 9.5#				Internal (Diameter		Set at 4187'		ations }'	To 4058'		RECEI			
Tubing Size 2 3/8"		Weight 4.7#			Internal Diameter		Set at 4056'		Perforations		То				
Type Completion (Describe) Single (Gas)				id Productio	on		Pump Unit or Traveling I		Plunger? Yes No						
			nulus / Tubi	ng)			Carbon Diox	kide		% Nitroge	en	Gas Gr	avity - (3 _g	
Vertical D	Pepth(H	1)					Pre	ssure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in	/<	1.27 2	0 <u>(5</u> at	9:50	_ (AM) (PM)	Taken		20	at		(AM) (PM)	
Well on L	ine:		Started	10	· 48 20	o <u>(5</u> at	70:05	(AM) (PM)	Taken		20	at		(AM) (PM)	
							OBSERV	ED SURFAC	E DATA	,	1	Duration of Shut	-in	Z.4 Hours	
Static / Dynamic Property	Dynamic Size		Meter Prover Pressure		Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t	Wellnead	sing I Pressure P _t) or (P _c) psia	Wellhea	tibing ad Pressure (P _t) or (P _c)	Duration (Hours)		d Produced Barrels)	
Shut-In				_				125	psia	28	рыа		-		
Flow								/25		123					
r							FLOW ST	REAM ATTE	RIBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Gra Extension Fac ✓ P _m ×h F		tor	Flowing Temperature Factor F ₁₁	perature Factor F		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barret)		Fluid Gravity G _m	
I						(OPEN FL	OW) (DELT	VERABILITY	A CALCIII	ATIONS					
(P _o) ² =		_:	(P _w) ²	=	:	P _d =			P _c - 14.4) +		;		2 = 0.2 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e) ² -(P _w) ²		Chaose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:	P.2. P.2	Backpressure Curv Slope = "n"		n v LOG		Antilog	Del Equals	Open Flow Deliverability quals R x Antilog (Mcfd)	
					1				· ····						
Open Flow Mcfd @ 14.65 psia					Deliveral	Deliverability Mcfd @ 14.65 psia									
									_		e above repor	t and that he ha		ledge of 20 15.	
			Witness	(if any	<i>i</i>)			-		90	ForCo	жиралу ООО			
 			For Com	missio	on .			-			and Ato	ed by			

	under the laws of the state of Kansas that I am authors and the operator Northern Lights Oil Co., L	•
and that the foregoing pressure inform correct to the best of my knowledge and of equipment installation and/or upon ty	nation and statements contained on this application for delief based upon available production summaries a type of completion or upon use being made of the gas we be of the otion from open flow testing for the HARDTEN 1	orm are true and and lease records
(Check one) is a coalbed methan is cycled on plunger is a source of natura	ne producer	KCC WIC NOV 05 2 RECEIVE
	oducing at a daily rate in excess of 250 mcf/D st of my ability any and all supporting documents deen claim for exemption from testing.	ned by Commission
Date: 11-2-2015		
	Signature: Title: Explanation MA	

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.

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