KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

iype iest:				•	000 1113000	nons on no	verse Side	"					
Open Flow Deliverability				Test Date: 7-8-7				API No. 15 - 186 - 12/43-0000					
Company	-			01/6.60		Lease		Hardten "own		ulo"	√o " Well Number		
County A Location			ion	Section		TWP		RNG (E/W)		Acres Attributed			
579 Adre Session			<u>sede </u>	Reservoir	•	245		15W	erina Conor	etion			
Macksville East			Viola				Gas Gathering Connection			RE			
Completion	Date				k Total Dept	th		Packer S	at at		·		
Aua	<u>23</u>	1983	· · · · · · · · · · · · · · · · · · ·	40-				·				JUL	
Casing Size		Weigh		Internal C	Dlameter	Set		Perfor	ations	To to	Ko	3	
			Internal Diameter		4187 ' Set at .		Perforations		+ 4087 -	To VICHI TO VICHI TO VICHI TO VICHI TO VICHI			
ubing Size	ر. م	********	••	mioma L	Jianiotoi	405		1 01101	20013	10		1/6/4/	
pe Comp	letion (D	escribe)			d Production	n		Pump Un	t or Traveling	Plunger? Y	es / No	•	
roducina 1	Thru (An	nulus / Tubin	a)	<u>//or</u>	ಗಿಲ Carbon Dioxi	de		% Nitroge	<u>.</u>	Gas	Gravity -	G	
•	763.		- -		024			5			,65 €ST.		
ertical Dep	pth(H)	<u> </u>			Pres	sure Taps				(Met	er Run) (f	Prover) Size	
	. 4	1018											
ressure B	uildup:	Shut in	7-7 2	0 <i>4</i> at_	((;00	(AM) (PM)	Taken		20	at		(AM) (PM)	
											at (AM) (PM)		
TON ON CIR	····	Otaniou				(200) (210)	10.001		20	01		(PON) (PIN)	
					OBSERVE	D SURFAC	E DATA			Duration of St	nut-in <u>é</u>	Hour	
Statio /	Orlfice	Circle one: Press		Flowing	Well Head	lead Casing		Tubing Wellhead Pressure		Divisities	1.1-	Newlet Benduned	
ynamic	Size	Mater Prover Pressi	Differential e in	Température T		Wellhead Pressure (P _*) or (P ₁) or (P ₆) psig psia			OPressure (P,) or (P,)			Liquid Produced (Barrels)	
roperty	(inches)	psig (Pm)	Inches H ₂ 0		t			psig	psla				
Shut-In		;				95		37					
Flow						105		100		z4		<u> </u>	
		1.	I		FLOW STR	REAM ATTR	IBUTES	1	1		I		
Plate		Gircia ona:	Press	Grav	vitu	Flowing			Material Con-	G		Flowing	
Coefficien		Meter or over Pressure	Extension	Faci	· 1 7	Temperature Factor		iation	Metered Flow R	(Cubic	=	Fluid Gravity	
(F _b) (F _b) Mcfd	' <i>"</i>	psia	₽ <u>xh</u>	F,	•			pv	(Mcfd)	Bar	Tel)		
· ·			<u> </u>	(ODEN EL	OW) (DÉLIV	EDADII ITV	CALCUI	ATIONS		J		1	
(°) ₅ =		(P _w)² =		P _d ≃			P _a - 14.4) +				P _a) ² = 0.: P _a) ² =	207	
<u>a/ </u>	 -	· · · · · ·	Choose formula 1 or 2			T	ssure Curve		<u>-</u>	······································	<u> </u>		
(P ₀)2- (P ₀))² (P _a)2- (P _a)2	1. P. 2 - P. 2	LOG of formuta		Siop		n x L	og	A-611		Open Flow Deliverability	
(P _a) ² - (P _a))2	2. P _a -		1. or 2. and divide	P.2. P.2	D 2 Assigned		···				uals R x Antilog	
			divided by: Pa - Pa	by:		Stanc	fard Slope					(McId)	
pen Flow Mcfd @ 14.65 psia					Deliverat	Deliverability Mcfd @ 14.65 psia							
The un	dersiane	d authority. o	n behalf of the	Company.	states that h	e is duiv a	uthorized t	o make the	above reno	rt and that he	has know	vledae of	
	-	-	aid report is true	, ,		-	ð					20 11.	
e iacis stat	iao tuele	iiri, and that S	ши героп із тиє	wio correc	i. Executed	ന്നട ഗ്രദ		day of	11	~4 <u>.</u>	· · · · ·	20	
						_	<u> </u>	Altera	Less C	Yrug			
		Witness (if eny)			-		<u> </u>	ForC	оправ	_		
			• •						1 .11	1. 11	A-1 -	2. L.C.	

exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Northern Lights Oil Co., L.C. 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 HARPTEN gas well on the grounds that said well:
(Check one) 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: 7-11-11 RECEIVED JUL 1 3 201 KCC WICHIT Signature: Exploration Geologist
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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 DATE. 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.