RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Rev	erse Side)				
= '	en Flov				Test Date					No. 15		
	liverabi	Щ			3/5/201	3			023	-20710-00-0		
Company Caerus V		Co L	LC				Lease NORTHF	RUP			32-15	Well Number
County Cheyenn	ie		Locatio NWSWN		Section 15		TWP 2S	-	RNG (EA	N)		Acres Attributed 160
ield Cherry C	reek				Reservoir Niobrara					nering Conne Gathering	ection	
Completic 11/01/20		9			Plug Bac 1770'	k Total Dept	th		Packer S N/A	et at		
Casing Si I.5"	ze		Weight 10.5#		Internal [4"	Diameter	Set at 1790		Perfor 1655	ations 5'	то 1667'	
Tubing Si 2.375"	ze		Weight 4.75#		Internal Diameter 2"		Set at Perforations 1688'		То			
ype Com I2 Frac		ı (De	escribe)		Type Flui Brine \	d Production Water	n		Pump Un Yes, P	it or Traveling U	Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Annulus			% C <1%	Carbon Dioxi	de	% Nitrogen <1%		Gas Gravity - G				
/ertical D	epth(H)				Pres	sure Taps				(Meter	Run) (Prover) Size
ressure	Buildur	p: :	Shut in 3/5	2	13 at 1	0:30AM	(AM) (PM)	3/6 Taken_3/6	3	20	13 _{at} 10:43	AM (AM) (PM)
Well on Li	ine:				0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
	·	-				OBSERVE	D SURFACE	DATA			Duration of Shut	inHours
Static / Dynamic Property	Orlfic Size (inche	9	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P _t)	ressure	Wellhea	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	-		-	 			·65	pola	poig	polici		
Flow					-		-					
						FLOW STR	EAM ATTRI	BUTES			,	
Plate Coefficcient (F _b) (F _p) Mcfd			Circle one: Meter or Prover Pressure psia Prover Pressure		Gravity Factor F _g		Flowing Temperature Factor Factor F _{II} Deviation Factor F _{pv}		tor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	L faravity L
- 1		-				, in 196				•		
ຕິ)ຂ <u>ີ</u>		<u>.</u>	(P _w) ² =_	- 	(OPEN FL		'ERABILITY)	CALCULA - 14.4) +		-	(P _a	y² = 0.207 y² =
(P _e)² - (F	<u>-</u> 1	_ · (P		1. P _c ² -P _s ² 2. P _c ² -P _s ²	LOG of formula 1. or 2.		Backpres Slope	sure Curve > = "n" >r	n x L	.og	Antitog	Open Flow Deliverability Equals R x Antilog
(P _c) ² - (F	a) ⁻		d	ivided by: $P_c^2 - P_w^2$	and divide by:	P _c ² - P _w ²		gned rd Slope		L J		(Mcfd)
Open Flov				- Mcfd @ 14.	.65 psia		Deliverabil	itv			Mcfd @ 14.65 ps	ia
-		aner	d authority on			states that h			make th		·	as knowledge of
		_	n, and that sai				•	77	lay of	April		, 20 <u>///</u> .
<u> </u>			Witness (if	anv)			_		_/_	am f	Sent:	€CC WICH
			AATUS622 (t)	DITY!								

or mar marintant		on behalf of the operator_		
_	oing pressure information of my knowledge and bel	-	• •	
f equipment instal I hereby reque	lation and/or upon type o st a one-year exemption	of completion or upon use	e being made of the ga	s well herein named.
as well on the gro	unds that said well:			
(Check	one)			
	is a coalbed methane pr	oducer -		_
	is cycled on plunger lift o	due to water		
	is a source of natural ga	s for injection into an oil	reservoir undergoing	ER
	is on vacuum at the pres	ent time; KCC approval	Docket No	
✓	is not capable_of produc	ing at a daily rate in exc	ess of 250 mcf/D	
_	to supply to the best of reto corroborate this claim		-	eernea by Commission
			-	
		=		
				-
			a /	
	. چ	Signature:	an Butu	
	. ع	Signature:	Engineer	

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 KCC WICHITA signed and dated on the front side as though it was a verified report of annual test results.

APR 09 2014