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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

7

Type Test	: en Flov	N			·		tions on Rev	rerse Side				
De!	liverabi	lity			Test Date 11/19/1				API	No. 15 007	7-00152 - 00	000
Company		— с					Lease McCUL	LOUG	——— Н		1	Well Number
County BARBE	County Location BARBER NW NW NE				Section 30				RNG (E/	W)		Acres Attributed N/A
Field DRIFTWOOD			Reservoi MISS	г				hering Conne STEM	ection			
Completion Date 4/27/1955			Plug Bac 4515	th		Packer S N/A	Set at					
Casing Size We 5.5 14			Weigh 14	t	Internal Diameter		Set at 4572		Perforations 4456		то 4464	
Tubing Size 2.375			Weight 4.7		Internal Diameter		Set at		Perforations		То	
Type Con SINGLE	•	•				d Productio	n		Pump Ur PU	nit or Traveling	Plunger? Yes	/ No
	Thru		ulus / Tubing	3)		Carbon Diox	ide		% Nitrog	en	Gas G	iravity - G _g
Vertical D		1)					sure Taps				(Meter	Run) (Prover) Size
4460	D. 84		11/	18/	<u>, 13 ., 1</u>		E TAPS	11	1/19/		4" 13 _{at} 10:00	AM (AM) (PM)
Pressure Well on L			Shut in Started									(AM) (PM)
						OBSERVE	ED SURFACE	- DATA		***	Duration of Shut	t-in 24 Hou
Static / Dynamic Property	nic Size rty (inches)		Circle ene: Meter Prover Pressu		Flowing Temperature t	Well Head	Cas	ng Pressure Wellh		ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0	•	•	psig 90	psia	psig 0	psia	24	
Flow								·	***********			
				1		FLOW ST	REAM ATTR	BUTES		<u>.</u>		1
Plate Coefflecient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension Pmxh	Grav Fac F	tor	Flowing Temperature Factor F _{II}		Deviation Metered Factor R F _{pv} (Mcfc		y GOR (Cubic F Barrel	eet/ Fluid
(P _e)² =		_:	(P _w) ² =	:	(OPEN FL		/ERABILITY) % (P	CALCUL - 14.4) +		:) ² = 0.207) ² =
(P _c) ² - (F or (P _c) ² - (F	⊃ _a)²	(P	(P _w)² - (P _w)²	Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slop	ssure Curve le = "n" or signed ard Slope	n x i	LOG	Antilog	Open Flow Deliverability Equats R x Antilog (Mcfd)
-												
Open Flo	<u> </u> w			Mcfd @ 14	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	sia .
The	undersi	ignec	l authority, o	n behalf of the	Company,	states that I	ne is duly au	thorized t	o make th	ie above repo	rt and that he h	as knowledge of
ne facts s	tated ti	herei	n, and that s	aid report is tru	e and correc	t. Executed	this the 12	2th	gay of D	ecember		, 20 <u>13</u>
	_		Witness (if any)	· · · · · 		-	1/9	tt !	Bly For	Company	KCC WICH
										V		DE0 00 00

exempt status or and that the for correct to the book of equipment in	Inder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator BEREXCO LLC regoing pressure information and statements contained on this application form are true and lest of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named. Quest a one-year exemption from open flow testing for the McCULLOUGH #1
	grounds 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
•	ree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necess	ary to corroborate this claim for exemption from testing.
Date: 12/12/1	i <u> </u>

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.

KCC WICHITA

DEC 3 0 2013

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