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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flo iverab					Test Date		tructi	ons on Rev	erse Side	^ API	l No. 15			
Company				*****	1	11/11/13	3		Lease		15-	·175-10020 - 0		Well N	umber
	1 & G	as C	Corporation			Section			Handy		DNO (E	AAA)	1	<u> </u>	• • • • • •
County Location Seward SW-NE				29			TWP 33S		RNG (E/W) 31W			Acres Attributed 640			
Field Arkalan				Reservoir Chester				Gas Gathering Conne Panhandle Eastern			tion				
Completion Date 09/18/1961				Plug Back Total Dept 5833			h Packer Set at None			•					
Casing Si. 4 1/2"	ze		Weig 9.5	ht	Internal D 4.090		iameter	ter Set a 5873			Perforations 5739		To 5782		
Tubing Siz	Tubing Size 1.66"		Weight 2.4		Internal I 1.380		iameter	er Set at 5770			Perforations		То		-
Type Com Single C		n (De	escribe)			Type Fluid	d Produ	ction			Pump U	nit or Traveling P	lunger? Yes	/ No	
_	Thru	(Anr	nulus / Tubir	ng)		% C	arbon D	ioxid	е		% Nitrog	gen	Gas Gr	avity -	G _g
Tubing Vertical De	enth(F	4)						Prace	ure Taps				(Motor	Dun\ /E	rover) Size
5760	opan(i						ŗ	1699	uic iaps				(Meter	nuii) (F	iover) Size
Pressure I	Buildu	ıp:	Shut in	/11	20	0_13_at_7:	50 AN	1	(AM) (PM)	Taken		20 _	at		(AM) (PM)
Well on Li	ne:	;	Started 11	/12	20	13 _{at} 7:	50 AN	1 ((AM) (PM)	Taken		20 _	at		(AM) (PM)
							OBSEI	RVEC	SURFACE	DATA		D	uration of Shut-	in 24	Hours
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _e) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	1								188		polg	polu			
Flow															
							FLOW	STRE	AM ATTRII	BUTES					
Plate Coefficcie (F _b) (F _p Mcfd		Circle one: Meter or Prover Pressure psia			Eutonoion		avity T		Flowing imperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
(P _c) ² =		_:	(P _w) ² :	=	;	(OPEN FLO)W) (DE	LIVE %	(P	CALCUL - 14.4) +		<u>.</u> :	(P _a)	2 = 0.2 2 =	207
(P _c) ² - (P or (P _c) ² - (P	<u> </u>	(P	(c)2 - (P _w)2	1	ise formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ and by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w	2	Slope Assi	sure Curve e = "n" or gned rd Slope	nx	roe	Antilog	Del Equals	pen Flow iverability is R x Antilog (Mcfd)
							· · · · · · · · · · · · · · · · · · ·	-							
Open Flow	v				Mcfd @ 14.6	5 psia			Deliverabil	ity		Mo	ofd @ 14.65 psi	a	
					ehalf of the							ne above report	and that he ha		ledge of
14013 311	aiou II	.0.01	ii, and that s	nurur I		and correct	LACCU	neu l		M	uay 01	.) 100 1	10-		٠
			Witness	(if any)			_	-	, , 🕓	0	For Com	pany	KC	C WIC
			For Com	nissior	า	,						Checked	d by	····	V 25 2

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques
	t status under Rule K.A.R. 82-3-304 on behalf of the operator Cabot Oil & Gas Corporation
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named ereby request a one-year exemption from open flow testing for the <u>Handy</u> #1
	Il 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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss
taff a	necessary to corroborate this claim for exemption from testing.
ate: _	11/21/13
	Signature: Mary Junes
	Title: Mary Torres Regulatory Analyst

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 NOV 25 2013 RECEIVED