SIP Test

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(See Instruct	tions on Re	verse Side)			
Op	en Flov	v			Test Date	. .			ΑP	No. 15		
Deliverabilty					6-12-17 15-119-20,373 - <i>o</i>					-0000		
Company COTTRELL GAS LLC					Lease COTTRELL					1-21	Well Number 1-21	
County Location MEAD S/2 S/2 SW			Section 21		TWP 32S	•		/W)	' Acres Attributed			
Field		,		<u> </u>	Reservoir				Gas Ga	thering Conn	ection	, p. 12 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Completion Date 4-6-80					k Total Dept	th	Packer Set at NONE				www.manarane.manapateteere avec	
Casing Size Weight 4.5 10.5			Internal E 4.090	Diameter	Set at 5739		Perforations 5622-5637		To 5220-5228			
Tubing Size Weight				Internal [Diameter	Set at		Perforations		To		
Type Cor GAS	npletion	(Descrit	oe)	17 August (18 ¹⁰⁻¹ 14) 143 1 43 144 (1341-144) 17 A _{gust} s	Type Flui NONE	d Production	n		Pump U	nit or Traveling	Plunger? Yes	/ No
	-	(Annulus	/ Tubing)		% C	arbon Dioxi	ide		% Nitrog	jen	Gas Gr	ravity - G _g
ANNUL Vertical [)				Pres	sure Taps	···-			(Meter	Run) (Prover) Size
5637			6-10	17	n	900	~~~	6-	19_17		2"	
Pressure Well on I.	,										at	(AM) (PM) (AM) (PM)
- vveii on i.	"II JES."	Siari			U at		(AW) (FW)				at	48.0
Charle /	Orlfis		Dirole one:	Pressure	Flouring	T	D SURFAC		<u> </u>	Tubing	Duration of Shut	rin_40.0Flour
Dynamic Property	-		Meter Differer Prover Pressure in psig (Pm) Inches		Flowing Well Head Temperature Temperature t t		Wellhead Pressure (P,) or (P,) or (Pc) psig psia		Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In							166.3	180.7			48.0	
Flow	<u> </u>						<u></u>			•		
						FLOW STR	REAM ATTR	IBUTES				
Plate Coeffiecient (F _b) (F _p) McId		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Extension Fac		Flowing Temperature Factor F _H	Deviation Factor F _{pv}		Metered Flov R (McId)	v GOR (Cubic Fe Barrel)	eet/ Fluid Gravity
(P _c)² ≕			(P _w) ^{2:} =_	•	(OPEN FLO	OW) (DELIV) CALCUL 14.4) +				$)^2 = 0.207$ $)^2 = $
(P _c) ² - (I or (P _c) ² - (I	1	(P _c)² - (P _w) ²	1. P _c ² - P _s ² 2. P _c ² · P _d ²	LOG of formula 1. or 2. and divido		Backpre Slo	ssure Curve pe = "n" - or signed	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog
			di	vided by Pc2 - P	by:	<u> </u>	Stand	lard Slope				(McId)
											•	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	oility		. 5	Mcfd @ 14.65 ps	ia
The	undersi	gned aut	hority, on	behalf of the	Company, s	states that h	ะ ıe is duly aı	uthorized to	o make t	ne above repo	ort and that he ha	as knowledge of
he facts s	tated th	erein, an		d report is true		t. Execute KANSAS COR	Received 1:	2 AMISSION	day of <u>J</u>		1 1	, 20
_Co	py	10	KC (Witness (if	any)	chita	MUL	1 1 9 201		isien	Will	Company 47	esting
			For Commis	sion	wha mio mino e e e e e e e e e e e e e e e e e e e	CONSERV Wi(/ATION DIVIS	ion	11(a	Che) 629-0204

exempt status und and that the foreg correct to the best	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Cottrell Gas LLC oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for theCOTTRELL 1-21
	ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 6-17-20	Signature: Marc Cottrell Member of LLC

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.