KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Reve	rse Side)						
X Op	en Flo	w			Toot Date				A DI AI	. 45				
De De	liverab	ilty			Test Date	: 11/12/20	10		API N		241-00-	- 20		
Company						1171212	Lease		15-	147A1	264-00-	Well Nu	mher	
APACH		RP.					HAGER	₹				1-1		
County			Locati	on	Section		TWP		RNG (E/V	·/)			ttributed	
MEADE	IEADE NW-SW			18		34	34 2		j	80)		
Field					Reservoir				Gas Gathe	ring Connec	ction			
Unni	am	ed			<u>Ure</u>	rokee	-		<u> </u>	Ρ				
Completic	on Date	•			Plug Back	Total Dept	h		Packer Se					
10/1		<u>(U</u>	Malala		1015		5-1		N.		· _			
Casing Size Weight			Internal D		Set at	_		tions	το 5 020					
	5.50 17 ubing Size Weight			Internal D			(0100 Set at		123 <u> </u>	<u>5930</u>				
2.8			. ما		٦.٢		59		1 CHOIC	aron 3	10			
Type Con	npletion	ı (Des	cribe)	<u>J</u>	Type Fluid	Production		עס	Pump Unit	or Traveling	Plunger? Yes /	(No)		
SINGLE			•		WATER				·		,			
Producing	Thru ((Annul	us / Tubing)	· · · · · · · · · · · · · · · · · · ·	% C	arbon Dioxi	de		% Nitroger	1	Gas Gr	avity - G		
FUBING	}				•	100			2.453		.659		•	
Vertical D	epth(H)				Press	ure Taps				(Meter Run) (Prove	r) Size	
						FI	LG					2.06	7	
Pressure	Buildur	n: Sh	ut in 11/	10 20	10 _{at} 9)	(AM) (PM)	Taken 11	/11	20	10 _{at} 9		AM) (PM)	
			11/	4.4		· · · · · · · · · · · · · · · · · · ·						'	CIAI) (I.IAI)	
Well on Li	ine:	Sta	rted 11/	11 20	$\frac{1Q_t}{2}$		(AM) (PM)	Taken	12	20	10 at 10	(AM) (PM)	
												. 24	1	
			Olmin ann			OBSERVI	ED SURFACE				Duration of Shut-i	<u> </u>	Hour	
Static / Orifi		- I Meter		Pressure Differential	Flowing	Well Head	i Wellhead F		- 1		Duration	Liquid	Liquid Produced	
Dynamic Property		Size Prover Presi			Temperature t	Temperature t	(P_w) or (P_t) or (P_c)		(P _w) or (P ₁) or (P _c)		(Hours)		(Barrels)	
			psig (Pm)	Inches H ₂ 0			psig	psia	psig	psia		ļ		
Shut-In						74	1034	1048.4	1034	1048.4	24	1		
Flow	1.25	50	123	13	65	74	361	375.4	216	230.4	24			
1							<u></u>			200.1	L	<u> </u>		
	<u> </u>	_				FLOW 511	REAM ATTRI	BO1E2					1	
Plate Coeffiecient		Circle one: Meter or		Press Extension	Grav	Tomporphies		Deviation		Metered Flov			Flowing Fluid	
(F _b) (F _p) Mcfd		Prover Pressure psla		<u>✓ P_x n</u>	Fact F		Factor		tor	R (Mcfd)	(Cubic Fed Barrel)		Gravity	
				· [m^"	`s	'	F _R	F _R		(MCIU)	Ballery	G __		
8.329		137.4		42.26	1.2312		.9952		1.011 436					
				1				1					<u> </u>	
1 <i>(</i>	100 1		<u>. </u>	140.0	•		(ERABILITY)					2 = 0.2	07	
(P _c) ₂ = 10	J99. I	<u>-</u> :	(P _w) ₂ =	140.9	P =		% (P	14.4) +	14.4 = <u> </u>	<u> </u>	(P d):	<u> </u>		
(P_)2-(F	2)2	(P _e)2- (P _w)2		Choose formula 1 or 2: 1. P ₂ 2-P ₂ ²	LOG of	Γ		sure Curve e = "n"		Γ٦	1		en Flow	
or				2. P _e 2. P _d 2	formula 1. or 2.			01	n x LC) K	Antilog		Deliverability Equals R x Antilog	
(P _x)2- (F	²)2	:		divided by: Pe2-Pu2	and divide by:	P _e 2 - P _e 2	Assigned Standard Slope			LJ			Mcfd)	
4000.6	$\overline{}$				 					504040		 	400	
1098.9	•	9:	58.2	1.14683	0.5	9502	٥.	394	.0	531948	1.13030	<u> </u>	492	
pen Flow	49	2		Mcfd @ 14.69	i osia		Deliverabil	lity		Mcfe	d @ 14.65 psia	1		
<u>, </u>				_	•			•		·				
The u	ındersi	gned a	authority, on	behalf of the Cor	mpany, state	es that he is	duly authorize	ed to make	the above		nat he has knowled	ige of		
the facts :	stated 1	thereir	n, and that s	aid report is true				day d	of	NOVE	MBER	2	20 <u>10 </u>	
					KE	CEIVE	D $\overline{\ }$. ۔ ۱۷		THIRMSON		NT 11 151	
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			Witness (H 41197	AM	R 09 2	.UII (). N:	V1 U 1 V		C VALL 1	Sh	achi	
			For Come	nission			·· ·	~~Y	MANA	Che	cked by	₹		
					KCC	: WICH	HIA .	Ť			-			

			_		of the state					
exempt	status	under	Rule	K.A.R.	82-3-304	on	behalf	of	the	operator
correct to records of equipn	the best nent installa	of my kno ation and/o	owledge a or upon t	and belief by	ntements considered upon a pletion or upon flow testing	available on use l	production	n sum	maries :	and lease
gas well c	on the grou	nds that sa	id well:	•						
	(Check one	e)								
	is	cyc a source on va	icuum a	on Iral gas for at the p	albed olunger injection in resent time aily rate in ex	lift oto an o e; KCC	approv	al D	ergoing	ater
	_	* * *			any and all s		g documer	nts dee	med by	Commissio
	-									
Date:										
				Cianatura						
				Signature:						

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.

March 7, 2011

Kansas Corporation Commission Finney State Office Building Oil & Gas Conservation Division 130 S. Market – Ste. 2078 Wichita, KS 67202-3802

> RE: Hager #1-18 Sec.18-34S-27W Meade County, KS API #15-119-21264-00-00

To Whom It May Concern:

In response to your letter dated 2/28/2011, please find the following forms enclosed:

- Form CG-1
- Form G-2

Please contact me at <u>amanda.pickney@apachecorp.com</u> or (918) 491–4852, if you have any questions regarding the attached information.

Respectfully,

Amanda Pickney Engineering Technician II

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Enclosures

MAR 0 9 2011 KCC WICHITA