Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:					(See Instruc	ctions on Rev	erse Side))				
Ор	en Flo	w											
✓ De	liverab	ilty			Test Date: 02/20/2014 - 02/21/2014				API No. 15 15-185- 22,739 – 0000				
Company	,				U2/20/2014 - U2/21/2014 Lease				<u></u>	J-10J-2Z,		Vell Number	
		mpa	any, L.L.C.		IRMA-SMITH			HTIM				2-10	
County Location					Section	Section TWP			RNG (E	/W)		cres Attributed	
Stafford	d -		SW N	E SW	10		24\$		15W				
Field					Reservoir	•			Gas Gat	hering Conne	ction		
Macksy	ville E	ast			Viola				Lume	n Energy			
Completion Date , 12/11/1990					Plug Back Total Depth		h		Packer Set at				
Casing Si 4-1/2"	Casing Size Weight 4-1/2" 10.5#			Internal Diameter		Set at 4186		Perforations 4018' - 4057'		То			
	Tubing Size Weight			Internal D	Internal Diameter		Set at		rations	То			
2-3/8" 4.7#						3996) 6'						
Type Completion (Describe)					Type Fluid	Type Fluid Production			Pump U	nit or Traveling	Plunger? Yes / No		
Single (Gas)					SW				Pump				
		(Ann	ulus / Tubing)		% Carbor	% Carbon Dioxide			% Nitrog	en	Gas Gravity - G _g		
Tubing													
Vertical Depth(H)						Pressure Taps Flange				,	(Meter Run) (Prover) Size 2"		
Pressure	Buildu	n	Shut in 02/2	20/2014 - ₁₁	at 8:	00	(AM) (PM)	Taken 0	2/20/20)14 19	at 8:00	(AM) (PM)	
									2/24/20			, ,, ,	
Well on L	ine:	S	started <u>UZ/Z</u>	21/2014 1	at		(AM) (PM)	TakenU	2/2 1/20	14 19	at <u>8:00</u>	(AM) (PM)	
												24 4	
			Circle one:		1	OBSERVE	D SURFACE		Τ		Duration of Shut-i	n Hou	
Static / Orifi		ice Meter or		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced	
Dynamic Property	Siz inch	thes Prover Pressu			Temperature t	Temperature t	rature (P) or (P) or (F		1		(Hours)	(Barrels)	
			psig	Inches H ₂ 0			psig	psia	psig	psia	:	· · · · · · · · · · · · · · · · · · ·	
Shut-In	į						120				24	I	
Flow													
L	l					51 004 077			L				
						FLOW ST	REAM ATTRI	BUIES					
	Plate Coeffiecient		Circle one: Meter or	Press Extension	Grav	· .	Flowing Temperature	Flowing Dev		Metered Flov		Flowing Fluid	
(F _b) (F		Prover Pressure		š P _m x H _w	Fact	וכ	Factor	1	ctor	R (Mcfd)	(Cubic Fee	Gravity	
Mcfd	ľ		psia	3 ' m ^ 1 'w	. 9		F _{ft}	<u> </u>	pv	(1410,141)	Barrely	G _m	
L	l				(ODEN 5)	0140 (DELO	/FD A DU 1730		4710110		I		
					•	, ,	/ERABILITY)					= 0.207	
(P _e) ² =	-	_:_		<u> </u>	P _d =		% (P	- 14.4) +	14.4 = _	:	· (P _d) ²	=	
(P _c) ² - (1	P_)2	(F	(P _w) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$	LOG of			sure Curve				Open Flow	
or		('c' \'w'		2. P _c ² -P _d ²	formula 1. or 2.		Slope = "n"		n x	LOG	Antilog	Deliverability Equals R x Antilog	
(P _c) ² - (P _d) ²			divided by: P _c ² - P _w ²		and divide Pc2 - Pw2		Assigned Standard Slope					Mcfd	
·				wided by. Te Tw						,			
										····			
					·								
0 51				M-64 @ 44 (D - 15 1- 1114		<u></u>				
Open Flov	<u> </u>			Mcfd @ 14.6	os psia		Deliverabilit	у			Mcfd @ 14.65 psia		
The u	undersi	gned	authority, on	behalf of the C	ompany, stat	tes that he i	s duly authori	zed to ma	ike the ab	ove report and	that he has knowl	edge of the facts	
stated then	rein an	d the	it said renort i	s true and corr	ect Execute	d this the	28th	day of	Febru	ary		₁₉ 2014	
Loven & All													
KCC WICHITE/Leness Mpanje													
			Witness (if	any)		_				For	Company		
			For Comm	ission			MAR 04	2014		Che	cked by		

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, L.L.C. and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named. I hereby request a permanent exemption from open flow testing for the IRMA-SMITH 2-10 gas well on the 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 incapable of producing at a daily rate in excess of 250 mcf/D
Date: 2/28/2014 Signature: Petroleum Geologist

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

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