## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Open Flow Deliverability				Test Date				API No. 15 15-077-20,133 <b>- 9000</b>								
Company	y	<u> </u>	<del></del>		11/16/1	3		Lease		15	9-077-20, TS	3-1		Well Nu	ımber	
McCoy Petroleum Corporation					C			<del></del>	Halbower "A"			#1				
County Location Harper SE NE NW				Section 3			TWP 34S		RNG (E/W) 8W			Acres Attributed 160				
Field Wharton				Mississ	Reservoir Mississippian			Gas (		Gathering Connection VGG						
Completion Date 12/4/71				Plug Back Total Depth 4663'			h	Pack		Set at						
Casing Size Weight 5.5" 14#				Internal Diameter 5"			Set at 4644'		Perforations Open Hole			то <b>4644'-4663</b> '				
Tubing Size Weight 2.375" 4.7#				Internal Diameter			Set at <b>4639</b> '		Perforations			То				
Type Cor	npletion	(Describe)	<u>'</u>		Type Flui		tion				Init or Traveling	Plur	ger? Yes	/ No		
Single Producing Thru (Annulus / Tubing)				Gas & Water  % Carbon Dioxide					Pumping Unit % Nitrogen			Gas Gravity - G				
Vertical D						Pı	ress	ure Taps							rover) Size	
Pressure	Buildup	Shut in	11/16	_ 2	0 13 at 1	:00 PM	_	(AM) (PM)	Taken	11.	/17 20	<u>13</u>	at 1:00 P	<u>M</u>	(AM) (PM)	
Well on L	.ine:	Started		_ 2	D at		_	(AM) (PM)	Taken		20	_	at	!	(AM) (PM)	
						OBSER	VEI	D SURFACE	E DATA			Dura	tion of Shut-	<sub>in</sub> 24	Hour	
Static / Dynamic	Orific Size	Circle one Meter Prover Pres	Differen		Flowing Temperature	Well Head Temperature		Casing Wellhead Pressure (P, ) or (P, ) or (P, )		Tubing Wellhead Pressure			Duration Lie		quid Produced (Barrels)	
Property	(inches) psig (				t	t		psig psia		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia			()		(2011013)	
Shut-In								220#					24			
Flow																
<del></del>			<del></del>		1	FLOW S	TRI	EAM ATTRI	BUTES		1				ı	
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Extensi	Extension Fa		tvity Te		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		v GOR (Cubic Feet/ Barrel)			Flowing Fluid Gravity G <sub>m</sub>	
		···			<u> </u>											
D 15 -		· (P.)2	· _		•			ERABILITY)						<sup>2</sup> = 0.2	:07	
$\frac{ P_c ^2 = \frac{ P_c ^2 -  P_a ^2}{(P_c)^2 - (P_a)^2}$		$ (P_w)^2 =                                   $		5	LOG of formula 1. or 2.		Backpressure Curv Slope = "n"		n x LOG			Antilog		Open Flow Deliverability Equals R x Antilog		
(P <sub>e</sub> ) <sup>2</sup> - (I	P <sub>a</sub> )*	· · · · · · · · · · · · · · · · · ·	divided by: P <sub>c</sub> <sup>2</sup>		and divide by:	bs-bs			signed ard Slope						(Mcfd)	
							-									
Open Flow Mcfd @ 14.65 psia								Deliverab	ility			Mcfd	@ 14.65 ps	ia		
		erein, and that	said report is								he above repo	W	Paupel	<u> </u>	rledge of 20 13 CC W	
		vvitnēs:	s (if any)							-	-gr (	Compan	· ·	_		
															EC 31	

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	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator McCoy Petroleum Corporation
	t 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
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
	reby request a one-year exemption from open flow testing for the Halbower "A" #1
	I on the grounds that said well:
jas weii	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 fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as	necessary to corroborate this claim for exemption from testing.
	· ·
Date: /	12/30/13
	Signature: Scott Hange
	Title: Vice President - Production
	1116.

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.

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