KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Re	verse Side)						
☐ Op	en Flov	i		•	Test Date	٠.			ADIA	J o. 15					
∠ De	liverabi	ty			10/14/2				175-	22056 – C	000				
Company MIDWE		N EXPLO	RATI	ON COMF	PANY		Lease BROW	N	,			w 2-18	ell Number		
County Location SEWARD 660 FSL & 1980 FEL					Section 18		TWP 34S	· · · · · · · · · · · · · · · · · · ·				Ac	cres Attributed		
Field SALLE	·				Reservoir CHEST					ering Conne DSTREAN					
Completic 03-08-0		•			Plug Bac 6341	k Total Dept	h		Packer Se	t at					
Casing S 4.5	Casing Size Weight			Internal L	Diameter		Set at 6380		Perforations 6165		To 5245				
Tubing Si 2.375	ize	w. 4.7	eight		Internal I	Diameter.	-	Set at Perfor 6140		ations	•	То			
Type Con		(Describe)			Type Flui WATE	d Production R/OIL	i .	- '.	Pump Unit	or Traveling	Plunger?	Yes /	No -		
Producing		(Annulus / Tu	bing)		. % 0	Carbon Dioxi	de :	· ·	% Nitroge	n	. (Gas Grav	vity - G _g		
Vertical D	epth(H))				Pres	sure Taps				((Meter Ru	ın) (Prover) Size		
Pressure	Buildup	: Shut in _	10/14	20	15 at		(AM) (PM)	Taken 10	/15	20	15 at_		(AM) (PM)		
Well on L	ine:	Started _	10/15	20	15 at_		(AM) (PM)	Taken 10	/16		<u>15</u> at _				
			i	·		OBSERVE	D SURFAC	E DATA			Duration o	of Shut-in	Hou		
Static / Dynamic Property	Dynamic Size		ircle one: Pressure Meter Differential er Pressure in sig (Pm) Inches H.O		Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing . Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	<u>.</u>	poig (i	,	11101103 1120			198	psia	175	psia	24				
Flow					•		31 ,		31		24				
						FLOW STR	EAM ATTR	IBUTES	 .				 		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressu psia	re.	Press Extension P _m xh	Grav Fac F	tor	Flowing femperature Factor F _{ft}	perature Factor		Metered Flow R (Mcfd)		GOR Cubic Feet Barrel)	Flowing Fluid Gravity G _m		
		,								10					
		•			(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		•	/D \2 -	= 0.207		
(P _c) ² =		_: (P _w)² =		$P_d =$		% (1	P _c - 14.4) +	14.4 =		!	(P _d) ² :			
(P _a) ² - (1 or (P _c) ² - (1	_ I	(P _c)²- (P _w)²		1. P _e ² - P _e ² 2. P _e ² - P _e ²	LOG of formula 1. or 2: and divide	P _c ² -P _w ²	Slo As	essure Curve pe = "n" - or ssigned	nxt	og :	Antik	og	Open Flow Deliverability Equals R x Antilo (Mcfd)		
 		•	div	ded by: Pc - Pw	by:	<u> </u>	Stanc	fard Slope	_			-	. (
	i.	•	,					· ·	 						
Open Flo	Open Flow Mcfd @ 14.65 psia				65 psia	Deliverability 10						Mcfd @ 14.65 psia			
The	undersi	gned authorit	y, on I	pehalf of the	Company,	states that h	e is duly a	uthorized t	o make the	above repo	rt and tha	t he has	knowledge of		
the facts s	stated th	erein, and th	at said	report is true	and correc			25th	day of	Nous	enlie	2-	, 20		
		Witn	ess (il a	ny)		KANSAS COR				OK Jorg	LOU ompany	<u> </u>	<u> </u>		
		For	Commiss	lon		DE(0 4 20	115		Chec	ked by				

CONSERVATION DIVISION WICHITA, KS

	Set of se
	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request
	under Rule K.A.R. 82-3-304 on behalf of the operator MIDWESTERN EXPLORATION CO.
	regoing pressure information and statements contained on this application form are true and
	est of my knowledge and belief based upon available production summaries and lease records
• •	stallation and/or upon type of completion or upon use being made of the gas well herein named.
	quest a one-year exemption from open flow testing for the BROWN #2-18
gas well on the	grounds that said well:
(Che	eck 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
Ū	is not capable of producing at a daily rate in excess of 250 mcf/D
I further ag	ree to supply to the best of my ability any and all supporting documents deemed by Commissior
staff as necess	ary to corroborate this claim for exemption from testing.
Date:	25/2015
	Signature: Mala Lala J. Lollar

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.

Midwestern Exploration Gauge and Production Report

Lease:	<u>B</u>	<u>rown 2-</u>	<u>18</u> N	vlonth:	Octobe	<u>r</u> Year	: <u>2015</u> Pu	mper:	JR. Bri	ungardt	
Day	Tube	Case	Line	Diff.	MCF	Water			Comments		
			Pres-		Day	Prod.	1				
2.	33	33	33	1	9	0					
3.	33	33	33	1	9	0					<u> </u>
4.	33	33	33	1	9	0.					
5.	33	33	33	1	9	0					
6.	33	33	33	1	9	0	1				
7.	33	33	33	1	9	0					
8.	32	32	32	1	9	0		· ·			4
9.	32	32	32	1	9	0				·-	
10.	32	32	32	1	9	0					
11.	32	32	32	1	9	0					
12.	32	32	32	1	9	0					
13.	32	32	32	1	9	0				<u> </u>	· · · · · · · · · · · · · · · · · · ·
14.	32	32	32	1	9	0	Shut in for 2	4 hr test		, · · · · · · ·	-
15.	175	198	29	0	6	0	Put on line				
16.	31	31	31	3	10	0					
	volume	e for 1st	half of r	month	133	0					
					MCF	Water					
17.	31	31	31	3	10	0					
18.	31	31	31	3	10	0	_				
19.	31	31	31	3	10	0					
20.	31	31	31	3	9	0					
21.	31	31	31	3	10	0					
22.	31	31	31	3	10	0					
23.	31	31	31	3	9	0					
24.	31	31	31	3	9	0					
25.	31	31	31_	_3	10	0					
26.	31	31	31	3	10	0					
27.	35	35	35	_1	9	0					
28.	35	35	35	1	10	0					
29.	35	35	35	1	10	0					
30.	35	35	35	11	9	_0					
31.	34	34	34	0	9	0					
_1.	34	34	34	0	9	0					
Total	volume	for 2 nd	half of	month	153	0			_		
					MCF	Water		· <u>-</u>			
							NE RUNS				
Date	Ti	cket#	I I			n	To)	Barrels	Gravity	BS&W
			Numbe	er Ft	· <u>·</u>	<u>In.</u>	Ft.	In.			
							Received SAS CORPORATION CO				<u>-</u>
						E/A A	CAD CODE OF THE COLUMN				
Notes:							SAS CORPORATION CO	MMission			

CONSERVATION DIVISION WICHITA, KS