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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

9

Type Test:	ONE	POINT ST			tions on Re			ENADILII	i iesi	
☐ Open Flow ☐ Deliverability	Test Date:							No. 15 5-22056 -00	00	
ompany	I EXPLORATIO	10/10/2013	Lease BROWN			. 170	-22030 - 90		Well Number	
County Location 660 FSL & 1980 FEL			Section 18				RNG (E/W)			Acres Attributed
ield ALLEY			Reservoir CHESTER			Gas Gathering Con DCP MIDSTREAL			ection	
Completion Date 3-08-07			Plug Back To 6341	tal Dept	th		Packer S	Set at		
asing Size .5	Weight 10.5		Internal Diameter		Set at 6380		Perforations 6165		To 6245	
obing Size 375	Weight 4.7		Internal Diameter			Set at 6140		rations	То	
pe Completion			Type Fluid Production WATER/OIL		า	Pump Unit of NO		nit or Traveling	Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) UBING			% Carbon Dioxide				% Nitrogen		Gas Gravity - G _g	
ertical Depth(H) 340	Depth(H)			Pressure Taps					(Meter	Run) (Prover) Size
ressure Buildup 'ell on Line:	: Shut in 10/0 Started 10/1		13 _{at}							(AM) (PM)
			OE	SERVE	D SURFAC	E DATA			Duration of Shut	-in Hour
ynamic Size	Orifice Size Meter Differential inches) Pressure Differential in psig (Pm) Inches H ₂ 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		-			280	pola	280	pola	24	
Flow	El OW 07		OW 675	36 REAM ATTR	IDUTE:	36		24		
Plate	Circle one:	Press		OWSIR	Flowing				000	Flowing
Coeffiecient (F _b) (F _p) Mcfd	Meter or Extension Prover Pressure psia Press Extension P _m x h		Gravity Factor F _g	Factor		remperature Factor F _{tt}		Metered Flow R (Mcfd)	v GOR (Cubic Fo	l (Fravity
						- 11		14		
			(OPEN FLOW)	(DELIV						$r^2 = 0.207$
$(P_c)^2 = $	2- (P _a) ² (P _c) ² - (P _w) ² Choose formula 1 or 2: 1. P _c ² - P _a ²		P _d =		% (P _c - 14.4) + Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	: LOG []]	(P _d)	Open Flow Deliverability
$(P_c)^2 - (P_d)^2$									Antilog	Equals R x Antilog (Mcfd)
				-						
pen Flow	Mcfd @ 14.65 psia				Deliverability 14				Mcfd @ 14.65 psia	
The undersig	ned authority, on erein, and that sa Witness (if	behalf of the C	Company, state		e is duly au	uthorized t	o make the		·	
	For Commi	ssion			-			Chec	cked by	DEC 13 2013

I declare under penalty of 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 MIDWESTERN EXPLORATION CO.
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the BROWN 2-18
gas well 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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: 12/6/2013
M Man Horns
Signature:
Title: PRESIDENT DALE 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.

Signed and dated on the front side as though it was a verified report of annual test results.

DEC 13 2013

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