KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

1 13

Type Test	_		POINT 5		TOPEN FL tructions of Rev		ELIVERABIL	TIL LES	l	Form C	
X	Open Flow			Tost Deter	21514.4		API No. 15 -	120 2050	: _ 0010		-
Deliverability Company				Test Date: 3/5/14 Lease			AFT 140. 19-	129 20000	0480	Well Number	
ANADARKO	E&P ONS	HORE			BROWN					C-3	
County Location			Section			TWP	• •		cres Attributed		
MORTON Field	SW SW SE			31			34		43		0
INTERSTATI	Ξ ,		Reservoir REDCAV	E			Gas Gathering C	HUGS V	V		•
Completion Date			Plug Back To	-				Packer Set a	•		g.
01/30/82 Casing Size			Weight	1329	Internal Diam		Set at		NA Perforations	То	-
•	ng Size. vv 4.5		10.5		Interenal Diameter 4.052		1329			1244 1272	
Tubing Size W		Weight		Interenal Diameter		Set at		Perforations	То		
2.375		4.7		1.995			NANA		NA		
Type Completion (I SINGLE GAS	-			Type Fluid Pro	oduction		Pump Unit or Tra	aveling Plunge	er?	Yes / No	
Producing Thru (Ar		g)		% Carbon Dio	xide		% Nitrogen		Gas Gravity -	Gg	
CASING			1.27		50.878		0.818		•		
Vertical Depth (H) 1258		Pressure Taps			(Meter Run) X			(PROVER) Size			
Pressure Buildup:			3/4/14	FLANGE	9:30am	(AM)(PM)		3/5/14		9:30am	(AM)(PM)
Well on Line:		Started	0/4/14	at		(AM)(PM)	Taken		_ at		(AM)(PM)
				OPE	DVED SUB	ACE DATA		D		24	
		Circle One:	Pressure	UBSE	RVED SURF		Casing	Duration of St	ıbing	. 24	Hours Liquid
Static /	Orifice	Meter or	Differential	Flowing	Well Head	1	ad Pressure		d Pressure	Duration	Produced
Dynamic	Size	Prover Pressure	in (h)	Temperature	Temperature		(P _t) or (P _c)	1	(P _t) or (P _c)	(Hours)	(Barrels)
Property	inches	psig	Inches H ₂ O	t	t	psig 47	psia 61.4	psig	psia	24	<u> </u>
Shut-In Flow	1.250				60	4/	01.4			NA	0
11011					_		<u> </u>		1		
Plate		-1-0	Pressure	FLO	W STREAM /	ATTRIBUTE:	S	 		F1	
Coefficient	Circle One: Meter or		Extension	Gravity	Flowing avity Temperature Devia		Metered Flow	GOR		Flowing Fluid	
$(F_b)(F_p)$	Prover Pressure		Sqrt	Factor	Factor	Factor	R	(Cubic Feet/		Gravity	
Mcfd	psia		((Pm)(Hw))	Fg	F _{ft} i		(Mcfd)	Barrel)		G _m	
7.771	1	4.4	0	1.106	1.063	_ 1.000	0		0	0.0	000
			(OP	EN FLOW) (DELIVERAB	BILITY) CALC	CULATIONS			_	
(P _c) ² =	3.77	(P _w) ² =	0	, · P _d =		%	(P _c -14.4)+14.4=			$(P_w)^2 = 0.207$ $(P_d)^2 = $	
		Choose fomula 1 or 2:	LOG of	, ''a	Backpressure Curve		V C + M Y + THE		Open Flow		Flour
$(P_c)^2 - (P_a)^2$		1. P _c ² -P _a ²	formula			e = "n"					rability
or	$(P_c)^2 - (P_w)^2$	2. P _c ² -P _d ²	1. or 2.	$(P_c^2 - P_w^2)$		ог	nxLO	G()	Antilog	Equals R	x Antilog
(P _o) ² -(P _d) ²	'	divided by	and divide			igned				Mo	ofd
0.500	0.770	P _c ² -P _w ²	by:	205		ard Slope	 	0.4	0.050		
3.563	3.770	0.945	-0.0	025		350	-0.0	21	0.952	l) .
					l				! <u> </u>	<u> </u>	
Open Flow					Deliverabilit	ty					
The undersign of the facts state							nake the above day of March.20		that he has l	knowledge	
	1821. "*							Thomas L			
	Witness (if	any)				_			For Compa	iny	
						KCC	WICHITA				
<u></u>	For Commi	ssion							Checked b	y	
						APR	WICHITA 0 2 2014				

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exempt status under F and that the foregoing the best of my knowled tion and/or of type com	penalty or perjury under the laws of the state of Kansas that I am aut Rule K.A.R. 82-3-304 on behalf of the operator Anadarko E&P Onshore information and statements contained on this application form are true and correct to dge and belief based upon gas production records and records of equipment installateletion or upon use of the gas well herin named. It a permanent exemption form open flow testing for the BROWN C-3 Its that said well:
is o	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuume at the present time; KCC approval Docket No incapable of producing at a daily rate in excess of 150 mcf/D
Date: 3/31/14	Signature: Madelewel Brown Title: Production Engineer

Instructions All active gas wells must have at least on 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 calender 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 therafter be reported yearley 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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