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

Type Test	Open Flor		POINT ST		OPEN FI tructions of Rev		ELIVERABIL	ITY <b>T</b> EST	-	Form		
<u> X</u>	Deliverab			Test Date:	3/4/14		API No. <b>15</b> -	129 21570	_ <b>000</b> 0			
Company					Lease		_	-		Well Number		
ANADARKO E&P ONSHORE County Location				NEPTUNE Section			TWP	A-2  RNGE (E/W) Acres Attributed				
Morton 2400FNL&2450FWL			17				33S 41W 640					
Field	-		Reservoir				Gas Gathering C	onnection				
DUNKLE			WABUNS	SEE	•			Anadarko	Gatherin	g		
Completion Date			Plug Back To					Packer Set a				
11/01/98 Casing Size Weight			3046 Interenal Diameter			NA Set at Perforations						
_			15.5	4.95			3092			2906 2950		
Tubing Size Weight				Interenal Diameter			Set at	Perforations		To		
2.375 4.7			1.995			2980		NA	<u>NA</u>			
Type Completion (Describe)			Type Fluid Production			Pump Unit or Traveling Plunger?			Yes / No			
SINGLE GAS				WATER			Pumping Unit		Gas Gravity -	PUMP		
Producing Thru (Annulus / Casing) CSG				% Carbon Dioxide 0.044			% Nitrogen 21.356	-		-		
Vertical Depth (H)				Pressure Tap:		·-	(Meter Run)		(PROVER)	Size		
2928				Flange	-		X		(	3		
Pressure Buildup:			3/3/14	at	8:30 am	(AM)(PM)	Taken	3/4/14	at	8:30 am	(AM)(PM)	
Well on Line:	_	Started	<u>n/a</u>	_ at		(AM)(PM)	Taken	<u>n/a</u>	at	n/a	(AM)(PM)	
				OBSE	RVED SUR	FACE DATA		Duration of Sh	ut-in	24	Hours	
_		Circle One:	Pressure				asing	Tu	bing		Liquid	
Static /	Orifice	Meter or	Differential	Flowing	Well Head	1	ad Pressure	1	Pressure	Duration	Produced	
Dynamic Property	Size inches	Prover Pressure	in (h) Inches H <sub>2</sub> O	Temperature t	Temperature t		(P <sub>t</sub> ) or (P <sub>c</sub> ) psia		P <sub>t</sub> ) or (P <sub>c</sub> ) psia	(Hours)	(Barrels)	
Shut-In	mones	psig	IIICHES 1120	1		psig 62	76.4	PUMP	рыа	24		
Flow	0.500	N/A	N/A	N/A	60	N/A	0	PUMP		N/A	0	
	,	<u> </u>			AL OTDEARA		<del></del> _		<u> </u>			
Plate	Cir	cle One:	Pressure	FLO	Flowing	ATTRIBUTES				Fio	wing	
Coefficient			Extension			Temperature Deviation		GOR		Fluid		
(F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure		r Pressure	Sgrt	Factor Factor		Factor	R	(Cubic Feet/		Gravity		
Mcfd			((Pm)(Hw))	Fg	Fft	F <sub>pv</sub>	(Mcfd)			G <sub>m</sub>		
1.214	14.4 0		0	1.167	1.063	1.000	0		. 0		0.000	
			(OP	EN FLOW) (	(DELIVERAE	BILITY) CALC	ULATIONS			2		
(P <sub>c</sub> ) <sup>2</sup> =	5.837	(P <sub>w</sub> ) <sup>2</sup> =	0	P <sub>d</sub> =		%	(P <sub>c</sub> -14.4)+14.4=			$(P_w)^2 = 0.207$ $(P_d)^2 = $		
		Choose formula 1 or 2:	LOG of	·		sure Curve	1		<u>.</u>		Flow	
$(P_c)^2 - (P_a)^2$			formula		Slope = "n"					Deliverability		
or	$(P_c)^2 - (P_w)^2$	2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. or 2.	$(P_c^2 - P_w^2)$		or	n x LO	G()	Antilog	Equals F	R x Antilog	
$(P_c)^2 - (P_d)^2$		divided by	and divide		1	signed				M M	cfd	
E 62	5.007	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	by:	045		ard Slope	1	10	0.077			
5.63	5.837	0.965	-0.1	015	0.0	<u> </u>	-0.0	10	0.977		0	
					<u> </u>					<u> </u>		
Open Flow				-	Deliverabili	ty				_		
The undersig of the facts stat							nake the above of March 2014	report and t	hat he has l	knowledge		
				_					Thomas L. Walsh			
	Witness (if	any)							For Compa	any		
	F 0-					KCC V	<b>NICHITA</b>		Oba-li II			
	For Commi	581011							Checked b	y		

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	I declare under penalty or perjury under the laws of the state of Kansas that I am aut exempt status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Anadarko E&amp;P Onshore</u> 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 installa-								
	tion and/or of type completion or upon use of the gas well herin named.  I hereby request a permanent exemption form open flow testing for the Neptune A-2.								
	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 vacuume at the present time; KCC approval Docket No								
	X is 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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