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

Type Tes				, 0	(ABILIZ	(See Instruc	ctions on Rev	rerse Side	)	·				
✓ Open Flow ✓ Deliverabilty				:	Test Date: 3/05 to 3/06/12			API No. 15 145-21,578-00-						
Company F.G. Holl							Lease				Well Number 2-30			
County Location Pawnee SWSWNENE					Section 30		TWP	TWP 21S		RNG (E/W)		Acres Attributed		
Field JAC				· · · · · · · · · · · · · · · · · · ·	Reservoi				nering Conn	ection				
Completion Date 11/3/08					Plug Bac 4050	k Total Dep	ith -			et at		<del></del>		
Casing S 5.5	ize		Weigl	nt	Internal [	Internal Diameter		Set at <b>4042</b>		ations	To 3894			
Tubing S 2.875	ize		Weigl	nt	Internal [	Internal Diameter		Set at <b>3978</b>		Perforations		То		
Type Completion (Describe) single					Type Flui SW	d Productio	n	· · · · · · · · · · · · · · · · · · ·	Pump Un	it or Traveling	Plunger? Yes / No			
Producing Thru (Annulus / Tubing) tubing					% c	% Carbon Dioxide			% Nitroge 7.155	en	Gas G .640	Gas Gravity - G <sub>g</sub> .640		
Vertical Depth(H)					-	Pres flanç	sure Taps				(Meter Run) (Prover) Size 2"			
Pressure Buildup: 5			thut in 3/02 20		0_12 at_3	12 at 3:00 pm		Taken_3/05			12 <sub>at</sub> 3:00 p		(AM) (PM.)	
Well on Line: Started 3/05 20 12 at 3:00 pm (AM) (PM) Taken 3/06 20 12 at 3:00 pm (A											(AM) (PM)			
· · · · · · · · · · · · · · · · · · ·						OBSERVE	D SURFACE	DATA			Duration of Shut	-in_72	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature	Temperature Temperature		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-In	ihut-In							1174.4	1160	1174.4	72			
Flow .750		0	148.8	8.8 11.3		85		794.4 400		414.4	24	15.03		
	<del></del> 1			T	<del>-1</del>	FLOW STE	REAM ATTRI	BUTES		·			T	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fac	tor	Temperature Fa		iation Metered Flo ctor R F <sub>pv</sub> (Mcfd)		GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
2.779	2.779		2.8	42.89	1.250	9.	768	768 1.012		147			.640	
(P <sub>c</sub> ) <sup>2</sup> = 13	379.218	5 :	(P <sub>w</sub> ) <sup>2</sup> =	631.071 <sub>:</sub>	(OPEN FLO		<b>/ERABILITY)</b> % (P.	CALCUL			(P <sub>a</sub>	) <sup>2</sup> = 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Slop Ass	Backpressure Curve Slope = "n" or Assigned Standard Slope		og [	Antilog	O		
1379.	800	74	8.144	1.843	.2655	5	.681		.18	08	1.52	224		
Open Flow 224 Mcfd @ 14.					55 psia <b>x</b> .50 = Deliver			bility 112 N			Mcfd @ 14.65 psia			
			l authority, o						make the		ort and that he h		ledge of	
the facts st	tated ti	nerei	n, and that s	aid report is true	and correc	t. Executed	this the 19	Oth (	of Ju	ine /		,;	20 12	
Witness (if arry)									July	For	Company			
			For Comm	nission				<u> </u>	even, 1	/VC.	cked by	ECEI	VED	
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JUN 2 7 2012 KCC WICHITA