KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	ti		-		(See Instruc	ctions on Re	everse Side)					
√ Op	en Flo	w			Test Date	Test Data				l No. 15				
✓ Deliverabilty						4/28 to 4/29/14			API No. 15 069-20,357-00-00					
Compani Falcon I		atio	n, Inc		Lease Hen ry Koehn			Koehn	Well Number 1-13				umber	
County Location Gray CNE					Section 13		TWP 28S			/W)	Acres Attributed			
Field Renegade SE					Reservoir Stotler	•			Gas Ga Oneok	thering Conn	ection			
Completion Date 3/29/12					Plug Bac 3580	k Total Dep	oth		Packer :	Set at		-		
Casing Size Wei				ht Internal Diame			Set at 3828		Perforations 3541		то 3547			
Tubing Size Weight 2.375				ht	Internal Diameter			at 0			То			
Type Cor Single	mpletio	n (D	escribe)		Type Fluid Production SW				Pump U NO	nit or Traveling	g Plunger? Yes	/ No		
	g Thru	(An	nulus / Tubin	ıg)	% Carbon Dioxide				% Nitrog	-	Gas Gravity - G _g			
Tubing	3 N- (1				.00	.00			30.52 .738					
Vertical [Jepth(F	1) ——				Pressure Taps flange					(Meter 2"	Run) (P	rover) Size	
Pressure Buildup: Shut in 4/25					<u>14</u> _{at} 10:15 am _{(AM) (F}			Taken_4/	28	20	14 at 10:15	am	(AM) (PM)	
Well on 1	ine:		Started 4/2	2	0 14 at 1	0:15 am	(AM) (PM)	Taken <u>4/</u>	29	20	14 at 10:15	am	(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut	-in_72	Hours	
Static / Dynamic	Siz	rifice Circle one Size Meter Prover Pres		Pressure Differential ure in	Flowing Temperature	Well Head Temperature	Wellhead	Casing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)		Liquid Produced (Barrels)	
Property Shut-In			psig (Pm)	Inches H₂0	t t		psig 597	psia 611.4	psig psia 442 456.4		72			
Flow	1.000 92		92	3.7	52		529	543.4	384	398.4	24			
						FLOW ST	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Gircle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _g		Tomporaturo		viation Metered Flo actor R F _{pv} (Mcfd)		w GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
5.073		10	6.4	19.84	1.164	1.	.008			118				
					(OPEN FL	OW) (DELIV	/ERABILITY) CALCUL	ATIONS			\2 - n n	107	
$(P_c)^2 = 3$	73.809	9_:	(P _w) ² =	295.283 :	P _d ⇔		% (1	P _c - 14.4) +	14.4 =	<u> </u>	(P _d) ² = 0.2) ² =		
$(P_o)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	2°)3 - (b^*)3	Choose formula 1 or 2 1. $P_o^2 - P_a^2$ 2. $P_o^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:		Slo As	Backpressure Curve Stope = "n" or Assigned Standard Stope		LOG	Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
373.602		78	3.526	4.757	.6773		.779		.5276		3.37	398	398	
Open Flow 398 Mcfd @ 14.6				65 peio Y 5	in =	Dolávorsk	Deliverability 199		Mafd		fd @ 14.65 psia			
			h authority o					-	maka 41		ort and that he h		eledge of	
		-	-	aid report is true					day of A	•	or and that he h		20 <u>14</u> .	
R	atr	W 7		Lucy		-	-	10	My 1	WC		C WI	CHITA	
			For Comr	nission //						Che	cked by			

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