Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:	ON	E F	OINT ST		See Instruc						IADILII		J 1			
✓ Open Flow ✓ Deliverabilty					Test Date: 4/12 to 4/13/12					API No. 15 053-20528-00-00							
Company				Lease					000 20020-					Well N	umber		
Rupe Oil Company County Location					Section					IG (E/W)		· · · · · · · · · · · · · · · · · · ·	Acres	Attributed		
Ellsworth N/2 NW NW			NW	32	,.,.	15S 08W			ring Conn	otion							
Field Grubb				Reservoir DeerCreekLeeCompton					Gas Gathering Connection Rupe Oil								
Completion Date 5/29/79					Plug Bac 2678							at					
Casing Size W 4.5			ight		Internal I	Internal Diameter			Set at 2485		Perfora 2660	tions	то 2676				
Tubing Size Weight 2.375				Internal I	Diameter	Set a	at Perforations			tions		То					
Type Completion (Describe) single				Type Fluid Production SW				*	Pump Unit or Traveling No				g Plunger? Yes / No				
Producing Thru (Annulus / Tubing)				% Carbon Dioxide					% Nitrogen				Gas Gravity - G _g .7539				
Tubing Vertical Depth(H)				.110 Pressure Taps					25.840			(Meter Run) (Prover) Size			Prover) Size		
					flange									2"			
Pressure Buildup: Shut in 4/09			2	₀ 12 _{at} 10:00 am _(AM)			AM) (PM)	Taken_4/	12				2 at 10:00 an				
Well on Line: Started 4/12					0 12 at 10:00 am (AM) (PM				Taken 4/	4/13 20			12 at	12 _{at} 10:00 a		<u>m</u> (AM) (PM)	
OBSERVED SURFACE DATA Duration											n of Shut	-in _72	2Hours				
Static / Dynamic Property	orlice Size Prove		ne: r essure	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatur t	e Wellhead Pressure (P _w) or (P _t) or (P _c)			Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liq	Liquid Produced (Barrels)		
Shut-In		psig (Pm)		Thories 1120			psig psia 169.0 183.4		psia 183.4	+	psig psia		72				
Flow	.625	5 54	54 1		64		+	121.5	135.9				24				
	.02) 04		1."	04	FLOW ST	L	AM ATTR				<u> </u>					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressu psia	Meter or Prover Pressure		Gra Fac F	tor Ter		Flowing mperature Factor F ₁₁	Fa	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
1.914	1	68.4		8.27	1.15	2 .	99	62			· <i>\\ '</i>	18					
(P _c) ² = _3	33.635	: (P)² =	18.468	(OPEN FL	.OW) (DELI	VE %) CALCUL P _c - 14.4) +			:		(P _a)) ² = 0	.207	
	Ĭ			1. P _c ² - P _a ²			-	Backpre	ssure Curve			<u> </u>			T	Open Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) (P _w)-	(P _c) ² - (P _w) ²		formula 1. or 2. and divide	P _c ² -P _w ²		Slope = "n"or Assigned Standard Slope		-	n x LOG		Antilog		Deliverability Equals R x Antilog (Mcfd)		
33.428		15.167	_	2.204	.343	2			.850		.2917		1.96	3	35		
								assigned									
Open Flow 35 Mcfd @ 14					.65 psia X .50 =			Deliverability 17.5			Mcfd @ 14.65 psia						
		gned authorit				ct. Execute	ed t	his the 1	7th	d	of Ap	ril	ort and t	that he h	as kno	wledge of , 20 12 .	
n		Witn	ess (if a	ny)			_	IVED .		Ol Co	lly cw	Ella parc. For	Company				
		Fau	ommies	nian		<u>APR</u>	1	8 2012		e	······································		cked by				

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