KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t: oen Flo	NA/				(See Instru	uctio	ons on Re	verse S	ide)				-			
	eliverat				Test Dat 11/13 t	te: o 11/14/1	4					No. 15 20,688-00-	·0 0				
Company Vincent Oil Co.							Lease Imel					Well Number 1-18					
County			Loca	tion /SENE		Section 18						V)	Acres Attributed				
Field Wildcat			NLOV	JOLINE	Reservo	Reservoir Penn			. (ering Conn	ection				
Completi		te			Plug Ba	Plug Back Total Depth			DCP Packer S none			et at					
11/18/10 Casing S			Weig	5460 Internal	Internal Diameter			Set at			ations	То					
4.5 Tubing S	ize		Weig	ht	Internal	Internal Diameter			5460 Set at			ations	5270 То				
2.375 Type Completion (Describe)					Tyne Fli	Type Fluid Production			5266			or Travalina	Plunger? Yes / No				
single						none				Pump Unit or Traveling							
Producing Thru (Annulus / Tubing) tubing					.1336	Carbon Dic	9 % Nitrogen 5.9601			n	Gas Gravity - G _o .640						
Vertical Depth(H)					Pressure Taps flange									(Meter Run) (Prover) Size			
Pressure	Buildu	D:	Shut in11.	/10	20_14_at_9				Taken_	11/	/13	20	14 at		n	(AM) (PM)	
Well on L	.ine:	•	Started 11		20 <u>14</u> at _						/14			10:00 a		(AM) (PM)	
		-				OBSER\	/ED	SURFAC	E DATA				Duratio	n of Shut-i	_{n_} 72	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Press psig (Pm)		remperature		Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	t-In		paig (Fili)	Inches H ₂ (<u>' </u>			^{psig} 643	657.4	+	psig 641	655.4	72	72			
Flow	ow 1.500		171	82	59	59		603	617.4		589	589 603.4		24			
			_	1		FLOW ST	TRE	AM ATTE	RIBUTES	;			-				
Coeffied (F _b) (F	Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Fa	ovity ctor e	Flowing Temperature Factor F _{II}			Deviation Factor F _{pv}		Metered Flow R (Mcfd)		w GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
13.09		18	5.4	123.29	1.250) /	1.0	01	1.0	16] ;	2051	_				
/n v 4	32.174	1.	/D \2	381.182		.OW) (DEL			•						= 0.3	207	
$(P_c)^2 = 432.174$			(P _w) ² =	Choose formula 1 o		<u>*</u>		Backpressure Curve		14.4 =	^{1,4} =:		(P _d) ²		Open Flow		
$(P_o)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(1	P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - F 	LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²		Slope = "n"or Assigned Standard Slope		n x LOG		Antilog		Deliverability Equals R x Antilog (Mcfd)			
431.967		50	.992	8.471					.636		.5901		3.89		7978		
				•	<u>J</u> .,												
Open Flow 7978 Mofd @ 14.65 psia X .50 =									Deliverability 3989 Mcfd @ 14.65 psia								
		•	•	on behalf of the							make the y of No	-	rt and t	hat he ha		vledge of 20 <u>14</u> .	
						KCC'	W	'ICHI	ΓΑ	1	Mui	Ulla	 _				
			Witness	(if eny)		NUV	2 5	5 2014		Ü.	Mh, 1	NC_ForC	Company				
		-	For Com	mission	_							Chec	ked by				

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