RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		0		(See Instruc	tions on Re	verse Side) .				
Open Flow					Test Date:			API No. 15					
✓ Deliverabilty					10/15 to 10/16/13			· · · · · · · · · · · · · · · · · · ·	119-20,789 - 0000				
Company Rains & Williamson Oil Co, Inc							Lease Ediger	Ediger			1	Well Number	
County Meade	•				Section 12		TWP 33S	RNG (E/W) 27W		N)		Acres Attributed	
Field VicKinne	eld cKinney				Reservoir Chester				Gas Gath	ering Conn	ection		
Completion Date 5/3/89				Plug Bac	th		Packer S none	et at					
Casing Size 5.5			Weigh	t	Internal Diameter			Set at 5781		Perforations 5716			
Tubing Size 2.375			Weigh	t	Internal Diameter			Set at F 5740		ations	То		
Type Completion (Describe) single					Type Fluid Production SW				Pump Un no	it or Traveling	Plunger? Yes / No		
Producing Thru (Annulus / Tubing) annulus					% c .621	arbon Diox	ide		% Nitroge 1.265	en	Gas G .656	ravity - G _g	
Vertical Depth(H)					Pressure Taps flange							Run) (Prover) Siz	
			. 10/	12 .	. 13 . 19			<u> </u>)/15		13 _{at} 10:30	am	
Pressure Buildup: Shut in			2	20 13 at 10:30 am (AM) (PM) Taken 20 13 at 10:30 am (AM) (PM) Taken 20 15 at 10:30 am							am (AM) (PM)		
		<u> </u>				ODCEDV	D CUREAC	E DATA			S :: (0)	72	
Static / Dynamic Property	Siz	Orifice Size (inches) Circle one Meter Prover Pres.		1	Flowing Temperature t	OBSERVED SURFACE Well Head Temperature t Casir Wellhead P (P _w) or (P _t)		sing Pressure P _t) or (P _c)	Wellhea (P _w) or	ubing d Pressure (P _t) or (P _c)	Duration of Shu Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H₂0	t	***************************************	106.2	120.6	psig	psia	72		
Flow	.250	40		10	46		79.0	93.4			24		
						FLOW ST	REAM ATTR	IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		M Prove	rcle one: leter or er Pressure psia	Press Extension ✓ P _m xh	Extension Fact		tor Temperature		Deviation N Factor F _{pv}		v GOF (Cubic F Barre	eet/ Fluid	
.3067		54.4		23.32	1.235	1.	.014			9		.656	
P _c) ² = 1	4.544	· .	(D)2	8.723	•		/ERABILITY	-) ² = 0.207	
				Choose formula 1 or 2.	P _d =			P _c - 14.4) +			(P,	₁) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$		 P_c² - P_a² P_c² - P_d² 	LOG of formula 1. or 2. and divide p.2. p.2		Slope = "n"or Assigned		l n x L	og	Antilog	Open Flow Deliverability Equals R x Antile	
14.337				divided by: P _c ² - P _w ²	by:	<u></u>		Standard Slope .850			2.45	(Mcfd)	
14.337		0.02	21	2.463	.3915		Assign	ned	.332	.0	2.15	19	
pen Flow 19 Mcfd @ 14				65 psia			Deliverability			Mcfd @ 14.65 p	sia		
		igned a	authority, o		.*.	states that I		uthorized t	•	e above repo		as knowledge of	
ne facts s	tated t	herein,	and that sa	aid report is true	and correc	t. Executed	this the 6	th /	day of No	ovember		, 20 13	
							_	M	yllh			CC WICH	
			Witness (i	if any)		11-11-11-11-11-11-11-11-11-11-11-11-11-	-	Cest	MINC.	For	Company	CC WICH NOV 12 201	