30-039-27699

NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Operator						Lease or Unit Name				
	W	illiams Prod	uction Con	pany		ROSA UNIT				
Test Type				Test Date		,	Well Number			
<u>X</u> Initial Annual			Special	9/22/2004					09A	
		Total Depth		Plug Back TD		Elevation		Unit O	Sec Twp	Rng
8/11/2004			3182'		3178'		6312'		24 31N	6W
Casing Size		Weight 17#	d	Set At Perforations:		20001 21701		County		
	5-1/2"		<u> </u>	···········		3008' - 3169'		RIO ARRIBA		3
Tubing Size	2-7/8"		d	Set At Perforations:				Pool	DACINI	
			COM 181-1-					BASIN Formation		
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At			Formation	154F	
Producing Thru Reservoir Temp			mn oF	Mean Annual Temp. oF		Recometer I		Pressure - Pa Connection		
Tubing		Reservoir Temp. oF		Mean Annual Temp. or		Darometer P		riessure - Pa Connection		
T 1 (H	Gq	%CO2		%N2	%H2S	.	Prover	Meter Run	Taps
L	I ^T	0.6	1%CU2		70INZ	%n25		3/4"	Meter Run	Taps
<u> </u>			FLOW DATA				TUBING DATA		I IG DATA	
ſ					Temperature	Temperature		CASI	Temperature	
	Line	X Orifice Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of
NO	Size	SIZC		p.s.i.q		p.s.i.q	"	p.s.i.q	"	Flow
SI	2" X 3/4"			pisitiq	<u> </u>	340		165	-	0
1						3	68	55		0.5 hr
2	1					3	68	70		1.0 hr
3						10	68	55		1.5 hrs
4						5	68	40		2.0 hrs
5						3	72	38		3.0 hrs
				RATE (OF FLOW CAL	CULATION	•			
							Flow Temp.	Gravity	Super	Rate of
	Coefficient				Pressure	Factor	Factor	Compress.	Flow	
NO		(24 Hours)			hwPm	Pm	Fl	Fq	Factor, Fpv	Q,Mcfd
1	9.604					15	0.9887	1.29	1.004	184
2										
3							<u> </u>			
4			·	-	ļ		<u></u>		<u> </u>	<u></u>
NO	Pr Temp. oR Tr Z Gas Liquid Hydrocarbon Ration								Mcf/bbl.	
1		A.P.I Gravity of Liquid Hydrocabrons Deq.							Deq.	
2		Specific Gravity Separator								
3										XXXXXX
4				<u> </u>	-			_p.s.i.a.		p.s.i.a.
5	177	Pc ²	21220	 	Critical Temp	erature		R		R
Pc	<u>177</u>	+	31329	7 2 7 2	,,,	- 2	4.00/=//		_ 2	
NO	Pt1	Pw	Pw ²	Pc ² -Pw ²	(1)		<u>1.0867182</u>	(2)		<u>1.0644</u>
1		50	2500	28829	4	Pc^2-Pw^2			Pc^2-Pw^2	
2		<u> </u>	<u> </u>		4	_ 3 =				
3			<u> </u>		AOF = Q	$\frac{Pc^2 \wedge^n}{Pc^2 - Pw^2} =$	<u>196</u>			
4		<u> </u>		<u> </u>				-	·····	
	Open Flow	<u>196</u>	Mcfd @ 15.	025	Angle of Slop					
Remarks:								11 cl 25		
Approved By Commission: Conducted By:			-	Calculated By:			Checked By:			
				Mark Lepic	h	Trac	y Ross	1 0 0 0	3. A B	
							ļ	The same of the sa	300	1