30-039-27686

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

Operator	,	Williams Prod				Lease or Uni		Rosa Unit		700g 0	
Test Type				Test Date	· · · · · · · · · · · · · · · · · · ·	-	Well Number		() () () () () () () () () ()	9, <u>9</u>	
<u>X</u> Initial Annua		Annual	Special		11/23/2004			#146A			
Completion Date			Total Depth		Plug Back TD		Elevation		Unit Sec Twp Rng		
11/9/2004		62	6227'		6203'		6425'		D 28 31N 05W		
Casing Size		Weight	Weight d		Perforations:			County			
4-1/2"		10.5#	10.5#					Rio Arriba			
Tubing Size		Weight	d	d Set At		Perforations:			Pool		
2-3/8"		4.7#	6100'					Blanco			
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At			Formation			
71	υ		•		Ì				MV		
Producing Thru Reservoir Temp			emp oF	np. oF Mean Annual		Temp oF Barometer F			Pressure - Pa Connection		
_		Reservoir 1	resolven remp. or		Wican / Minual Temp. 01		Burometer		ressure Ta Connection		
Tubing L H		Ga	Gq %CO2		%N2		%H2S		Meter Run	Taps	
L	l ⁿ	0.6	%CO2		70112	70H2S		Prover 3/4"	Meter Kun	Taps	
			L DATE		<u> </u>	TUDIN	IC DATA		IC DATA	 	
•	FLOW DATA			1	Im.	TUBING DATA		CASIN	NG DATA		
	Prover	X Orifice			Temperature] _	Temperature	_	Temperature		
- A	Line	Size		Pressure	oF	Pressure	oF	Pressure	oF	Duration of	
NO	Size			p.s.i.q		p.s.i.q		p.s.i.q		Flow	
SI		2" X 3/4"				475	47	1115		0	
1					<u> </u>	288	66	1025		0.5 hr	
2	1					280	66	972		1.0 hr	
3					265	66	935		1.5 hrs		
4		<u></u>				260	66	925		2.0 hrs	
5						247	67	875		3.0 hrs	
				RATE (OF FLOW CAL	CULATION					
				-			Flow Temp.	Gravity	Super	Rate of	
	Coefficier			cient		Pressure	Factor	Factor	Compress.	Flow	
NO	(24 Hours)			hwPm	Pm	Fl	Fq	Factor, Fpv	Q,Mcfd		
1	9.604					259	0.9933	1.29	1.03	3283	
2											
3										1	
4											
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hy	ydrocarbon R	ation			Mcf/bbl.	
1		A.P.I Gravity of Liquid Hydrocabrons						Deq.			
2	1				Specific Gravi	Specific Gravity Separator X					
3	Specific Gravity Flowing Fluid xxxxxxxxxx										
4					Critical Pressurep.s.i.a.					p.s.i.a.	
5					Critical Temperature			R R			
Pc	1127	Pc2	1270129							- L	
NO	Pt1	Pw	Pw2	Pc2-Pw2	(1)	Pc2 =	2.6277081	(2)	<u>Pc2^n = </u>	2.0638724	
1	 	887	786769	483360	1 ``'	Pc2-Pw2	<u> </u>	(-)	Pc2-Pw2	2.0000721	
2	1	1	1.50,07	1.552.55	1				10212		
3			-	 	AOF = Q	$Pc2^n =$	<u>6776</u>				
4	+		 	 	1 '''' - 3	$\frac{\text{rc2 if } =}{\text{Pc2 - Pw2}}$	<u>0770</u>				
	Dpen Flow	6776	Mcfd @ 15.	025	Angle of Slop			Slope, n	0.75		
Remarks:	Spon 1 10W	3770	1tota @ 1.J.	<i></i>	I male of Stop	<u> </u>	<u> </u>	prope, ii	0.75	***	
Approved E	ly Commiss	ion:	Conducted I	Bv·		Calculated B	lv·	Checked By:			
- ipprovou L	., commiss		Conducted	Terry Gome	•7	1	y Ross	Checked by.			
<u> </u>			1	Terry Gorne	, L	l iiac	J 11033	L			

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