

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

Operator Williams Production Company					Lease or Unit Name Rosa Unit						
Test Type X Initial Annual Special			Test Date 7/25/99		Well Number #44A						
Completion Date 7/16/99		Total Depth 6114'		Plug Back TD 6050'		Elevation		Unit E	Sec 35	Twp 32N	Rng 6W
Casing Size 9-5/8"		Weight 36#	d	Set At 280'	Perforations: From 4766' To 5610'			County Rio Arriba			
Tubing Size 2-3/8"		Weight 4.7#	d	Set At 5904'	Perforations: From 5640' To 5944'			Pool Blanco MV			
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At			Formation MV			
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF			Barometer Pressure - Pa		Connection		
L	H	Gq 0.6	%CO2	%N2	%H2S		Prover 3/4"	Meter Run	Taps		

FLOW DATA				TUBING DATA		CASING DATA			
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Duration of Flow
SI	2" X 3/4"				1090		1092		0
1					406	62	952		0.5 hr
2					378	66	887		1.0 hr
3					351	70	849		1.5 hrs
4					334	72	816		2.0 hrs
5					302	74	753		3.0 hrs

RATE OF FLOW CALCULATION								
NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd	
1	9.604		314	0.9868	1.29	1.039	3989	
2								
3								
4								

NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration	Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____	Deq.
2					Specific Gravity Separator _____	XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	1104	Pc2	1218816
NO	Pt1	Pw	Pw2
1		765	585225
2			
3			
4			

Absolute Open Flow 6515		Mcf/d @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Chic Charley	Calculated By: Tracy Ross	Checked By: David Spitz