

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

RECEIVED
NOV - 8 1999
OIL CON. DIV.
DIST. 3

Operator Williams Production Company				Lease or Unit Name Rosa Unit Com.			
Test Type X Initial Annual Special			Test Date 10/31/99		Well Number #60A		
Completion Date 10/21/99		Total Depth 6208'		Plug Back TD 6175'		Elevation 6455'	
Casing Size 4-1/2"		Weight 10.5#		Set At 6208'		Perforations: From 4513' To 5683'	
Tubing Size 2-3/8"		Weight 4.7#		Set At 6076'		Perforations: From 5713' To 6122'	
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
SI		2" X 3/4"			942		1036	
1					308	59	953	0.5 hr
2					304	60	924	1.0 hr
3					299	61	903	1.5 hrs
4					298	63	887	2.0 hrs
5					294	64	842	3.0 hrs

RATE OF FLOW CALCULATION								
NO	Coefficient (24 Hours)			hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv
1	9.604				306	0.9962	1.29	1.029
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 xxxxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$	(2) $\frac{Pc2^n}{Pc2-Pw2} =$
1048		854	729316	368988	2.9765304	2.2661192

Absolute Open Flow	8807	Mcf @ 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
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