

30-025-35868

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MISSION RESOURCES CORP.				Lease or Unit Name STATE A A/C 2			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5/3/04	Well No. 81
Completion Date		Total Depth 3992		Plug Back TD 3890		Elevation	Unit Ltr - Sec. TWP - Rge K 11 22S 36E
Csg. Size 4 1/2	Wt. 11.6	d 4	Set At 3992	Perforations: From: 3194 To: 3644		County LEA	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3196	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At N/A		Formation YATES & 7 RIVERS	
Producing Thru TUBING		Reservoir Temp. 91		Mean Annual Temp. 60		Baro. Press.-P _a 13.2	
Connection SALES							
L 3196	H 3196	Gg 0.758	%CO ₂ 8	%N ₂ 4.09	%H ₂ S	Prover	Meter Run 3.068
						Taps FLG	

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.	Press p.s.i.g.	Temp.			
SI						50						
1	3.068 X 1.375		16.8	25	68	6						
2												
3												
4												
5												

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd
1	9.249	27.38	30	0.9924	1.149	0.895	231
2							
3							
4							
5							

No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf bbl.
1	0.76	528	1.37	1.057	18.5	
2					A.P. I. Gravity of Liquid Hydrocarbons 32 @ 60	Deg.
3					Specific Gravity Separator Gas 0.758	XXXXXXXXXX
4					Specific Gravity Flowing Fluid	XXXXXX GMIX = .944
5					Critical Pressure 694	P.S.I.A. 000 P.S.I.A.
					Critical Temperature 384	R. 5090H R

No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		28	0.8	3.2	1.243	1.243
2						
3						
4						
5						

Absolute Open Flow 0.287		Mcf @ 15.025	Angle of Slope (°): 45	Slope n: 1
Remarks: * WELL MADE 12 BBLs OF 32 API GRAVITY OIL DURING TEST.				
* WELL ON COMPRESSOR.				
Approved By Division:	Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER	Checked By: BM	

MISSION RESOURCES CORP.

STATE A A/C 2 #81



