

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: OXY USA WTP LTD PRS										Lease or Unit Name: PALOMINO FED														
Type Test: ☒ Initial ☐ Annual ☐ Special										Test Date: 7/3/01					Well No.: 1									
Completion Date: 3/22/01					Total Depth: 11410					Plug Back TD:					Elevation:					Unit Ltr - Sec - TWP - Rge: 27-8-18-29				
Csg. Size: 5 1/2		Wt.: 17		d: 4.892		Set At: 11410			Perforations: From: 11280 To: 11290					County: EDDY										
Tbg. Size: 2 7/8		Wt.: 6.5		d: 2.441		Set At: 11153			Perforations: From: To:					Pool: S Empire Marrow										
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE										Packer Set At: 11153					Formation:									
Producing Thru TUBING					Reservoir Temp. °F: 185.6					Mean Annual Temp. °F: 60					Baro. Press. - P _a : 13.2					Connection: SALES				
L: 11158		H: 11158		Gg: 0.658		%CO ₂ : 0.344		%N ₂ : 0.307		%H ₂ S: N/A		Prover: N/A		Meter Run: 4.028		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. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow						
SI																								
1	4.028	X .500	450	15.2	101.5	4680	N/A	460	N/A	PKR	N/A							24 HRS.						
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									115															
2	GAS		VOLUMES	FROM	TOTAL	FLOW	METER																	
3																								
4																								
5																								
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio: 12.778 Mcf bbl.																			
1					A.P. I. Gravity of Liquid Hydrocarbons: 53.6 Deg.																			
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas: .685 / G.MIX = .907 XXXXXXXX																			
3					Specific Gravity Flowing Fluid: N/A XXXXXX																			
4					Critical Pressure: 672 P.S.I.A. 665 P.S.I.A.																			
5					Critical Temperature: 381 R. 453 R																			
P _c : 4693.2 P _{c2} : 22026.1																								
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01$																			
1		473.4	224.1	21982	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 116$																			
2																								
3																								
4																								
5																								
Absolute Open Flow: 116 Mcfd @ 15.025					Angle of Slope (°): 45					Slope n: 1														
Remarks: * WELL MADE 9 BBLs OF 53.6 API GRAVITY CONDENSATE DURING TEST.																								
Approved By Division:					Conducted By: PRO WELL TESTING					Calculated By: MERV BUECKER					Checked By: BM									

OXY USA
PALOMINO FED #1

