

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

CISF

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY USA				Lease of Unit Name OXY BOO STATE			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/3/02		Well No. 1	
Completion Date		Total Depth		Plug Back TD		Elevation	
Csg. Size	Wt.	d	Set At	Perforations: From: 10348 To: 10400		Unit Ltr - Sec - TWP - Rge	
Tbg. Size 2 3/8	Wt. 4.6	d 1.995	Set At 10266	Perforations: From: To:		County EDDY	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10266		Formation Frontier Hills Strawn	
Producing Thru Tubing		Reservoir Temp. °F 182.7		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
L 10266		H 10266		Gg 0.641	%CO ₂ 0.689	%N ₂ 0.957	%H ₂ S N/A
				Prover N/A	Meter Run 4.026		Taps FLG
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI					2920	N/A	PKR
1	4.026 X 2.000		304	3.5	73	2885	
2	4.026 X 2.000		332	24.9	67	2765	
3	4.026 X 2.000		357	50.3	67	2581	
4	4.026 X 2.000		380	77.8	64	2355	
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}
1							
2							
3	TOTAL		FLOW	METER			
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 66.845 Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 55 Deg.		
2					Specific Gravity Separator Gas 0.641 XXXXXXXX		
3					Specific Gravity Flowing Fluid XXXXXX G MIX = .685		
4	TOTAL	FLOW	METER		Critical Pressure 673 P.S.I.A. 672 P.S.I.A.		
5					Critical Temperature 368 R. 381 R		
P _c	2965.8		P _{c2}	7621.5			
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.52$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.52$		
1		2563.1	6569.5	1052			
2		2532.2	6412	1209.5			
3		2490.5	6202.6	1418.9			
4		2436.6	5937	1684.5			
5							
Absolute Open Flow 20403.3				Mcf @ 15.025	Angle of Slope (°) 45	Slope n: 1	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE. WELL MADE 7 BBLs OF 55 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	