

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

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-10-84	
Company LOBO PRODUCTION		Connection	
Pool Basin		Formation DAKOTA	
Completion Date	Total Depth	Plug Back TD 4628	Elevation
Csg. Size 1 1/2"		Set At	Perforations: From 4625 To 4045
Tub. Size 2 3/8"		Set At 4438	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL G.G.		Packer Set At 4406	Form of Lease Name Scorpio
Producing Thru TB9	Reservoir Temp. °F	Mean Annual Temp. °F	Well No. 1
Baro. Press. - P _g 12.0		County SAN JUAN	
Prover 6" POS.		Meter Run CHUCK NIPPLE	
H		Taps	
G _g .650 EST.		% CO ₂	
% N ₂		% H ₂ S	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice 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
SI			4 DAYS				813		PKC		
1.							21				
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 _{sp}	Rate of Flow Q, Mcfd
1	11.00		33	1.000	1.240	1.000	450
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X Y Y X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P ₁ 825	P ₂ 680	P ₂ 625	(1) $\frac{P_2^2}{P_1^2 - P_2^2} = 1.0268$	(2) $\left[\frac{P_2^2}{P_1^2 - P_2^2} \right]^n = 1.0200$
NO.	P ₁ ²	P ₂ ²	P ₂ ² - P ₁ ²	
1			17776	662849
2.				
3.				
4.				
5.				

Absolute Open Flow 459 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks:			
Approved by Commission:	Conducted By: RICHARD HOUSH	Calculated By: NEIL TEETELLER	Checked By: