

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 7-13-84	
Company LOBO PRODUCTION		Connection	
Pool WILDCAT GALLUP		Formation GALLUP	
Completion Date		Plug Back TD 4406	Elevation
Total Depth		Farm or Lease Name SCORPIO	
Well No. 1		Unit	
Csg. Size 5 1/2	Wt. d	Set At	Perforations: From To
Trq. Size 1 1/4	Wt. d	Set At	Perforations: From 2530 To 4381
Type Well - Single - Frac - G.C. or G.O. Multiple		Packer Set At 4406	County SAN JUAN
Producing Thru		Baro. Press. - P <sub>0</sub> 12.0	State NEW MEXICO
Reservoir Temp. °F		Mean Annual Temp. °F	Prover 6" Pos. CHOKE
L	H	G <sub>0</sub>	Meter Run Taps
% CO <sub>2</sub>		% N <sub>2</sub>	% H <sub>2</sub> S

  

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2" X 3/4"			660	60	658	100	3 HR.
2.								
3.								
4.								
5.								

  

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow O, Mcfd
1.	*						260
2.							
3.							
4.							
5.							

  

NO.	P <sub>f</sub>	Temp. °R	T <sub>f</sub>	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 X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

  

NO.	P <sub>1</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>2</sub> <sup>2</sup>	P <sub>2</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0286$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0214$
1.	672	112	451584	439040		
2.						
3.						
4.						
5.						

  

Absolute Open Flow	265 Mcfd @ 15.025	Angle of Slope θ	53.13	Slope, n	75
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Remarks: \* ORIFICE WELL TESTER RATE

Approved by Commission:	Conducted by:	Calculated by:	Checked by:
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