

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

<input checked="" type="checkbox"/> Initial		<input type="checkbox"/> Annual		<input type="checkbox"/> Special		Test Date <b>2/17/77</b>				
Company <b>Bolin Oil Company</b>				Connection <b>NC</b>						
Pool <b>Otero</b>				Formation <b>Chacra</b>				Unit		
Completion Date <b>2/10/77</b>		Total Depth <b>5306' KB</b>		Flow Back TD <b>5285' KB</b>		Elevation <b>6624' GL</b>		Farm or Lease Name <b>Candado</b>		
Csg. Size <b>5.5</b>	Wt. <b>15.5</b>	d	Set At <b>5305'</b>	Perforations: From <b>3714'</b> To <b>3808'</b>		Well No. <b>17</b>				
Tbg. Size <b>1 1/4"</b>	Wt. <b>2.40</b>	d <b>1.610</b>	Set At <b>3771'</b>	Perforations: From To		Unit <b>A</b>		Sec. <b>10</b>	Twp. <b>26N</b>	Rge. <b>7W</b>
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>G.G. Multiple</b>						Packer Set At <b>3845' KB</b>		County <b>Rio Arriba</b>		
Producing Thru <b>Tbg.</b>		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P <sub>a</sub>		State <b>New Mexico</b>		
L	H	Gg	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> S	Prover	Meter Run	Taps		

  

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							915		915		7 days
1.	2"	X	3/4"				45	45	341		3 hrs.
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 Q, Mcfd
1	12.3650		57	1.0147	1.0000	1.0000	715
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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

  

P <sub>c</sub> <b>927</b>	P <sub>w</sub> <b>859329</b>		
NO.	P <sub>c</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>
1		353	124609
2			
3			
4			
5			

  

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1696$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1247$
ACF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 804$	

  

Absolute Open Flow <b>804</b>	Mcf/d @ 15.025	Angle of Slope $\theta$	Slope <b>.75</b>
-------------------------------	----------------	-------------------------	------------------

  

Remarks: \_\_\_\_\_

  

Approved By Commission:	Conducted By: <b>F. P. Crum, Jr.</b>	Calculated By:	Checked By:
-------------------------	---	----------------	-------------

