

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

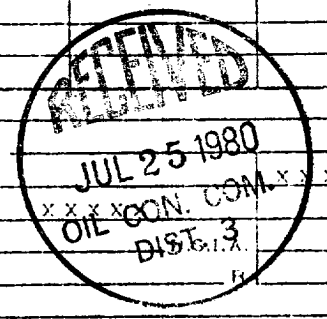
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7/23/80	
Company Hill & Llewellyn				Connection			
Pool Ballard				Formation Pictured Cliffs		Unit	
Completion Date		Total Depth 2350		Plug Back TD 2320		Elevation	
Farm or Lease Name Newsom		Well No. 23					
Csg. Size 2.875	Wt. 6.50	d 2.441	Set At 2320	Perforations: From 2074 To 2156			
Trq. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. I-20-26N-8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico	
L	H	Gg .650 est	% CO ₂	% N ₂	% H ₂ 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI									382		7 days
1.			.750	118		62					3 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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mgd
1	12.365		130	.9981	.9608	1.000	1542
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Met/cbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXXX</td>	XXXXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R



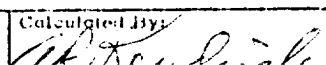
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1803$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1513$
1	16900	154	23714	131522		
2						
3						
4						
5						

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1775$

AOIF = 1775

Absolute Open Flow	1775	Mgd @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:

Approved by Commission:	Conducted By: CRW	Calculated By: 	Checked By:
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