

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	
Completion Date		Total Depth 2428		Plug Back TD 2398	
Elevation		Farm or Lease Name Hodges			
Csq. Size 2.875	Wt. 6.50	d 2.441	Set At 2398	Perforations: From 2151 To 2236	
Well No. 16					
Trq. Size None	Wt.	d	Set At	Perforations: From To	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Casing				County San Juan	
Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico					
L	H	G _g .650 est	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Cops	

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
5.									597		7 days
1.			.750	61		61					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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		73	.9990	.9608	1.000	866
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Meq/Gal.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 609	P _c ² 370881	
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NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1	5329	87	7571	363310
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0208$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0177$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 881$$

Absolute Open Flow	881	Mcfd @ 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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