

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-JOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-20-85	
Company El Paso Natural Gas		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 8-20-85		Total Depth 5061	Plug Back TD 5047
Elevation 6271 GR.		Farm or Lease Name Turner Hughes	
Csg. Size 7.000	Int. 20	d 6.456	Set At 2610
Perforations: From *4605 To 5009		Well No. #17A	
Teg. Size 2.375	Int. 4.7	d 1.995	Set At 5002
Perforations: From To		Unit Sec. Twp. Rge. F 10 27 09	
Type well - Single - Broadhead - G.C. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tbg.	Reservoir Temp. *F a	Mean Annual Temp. *F	Baro. Press. - P _a 12
State New Mexico			
L	H	Gg .680	% 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							732		819		7 Days
1.			.750	148		76	148		413		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, F _{pv}	Rate of Flow Q, Mcd
1	12.365		160	.9850	.9393	1.013	1854
2							
3							
4							
5							

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

P _r 831	P _w 690561	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{690561}{509936}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2553$
NO. 1	P _w 425	P _w ² 180625	P _w ² - P _w ² 509936
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2327$

Absolute Open Flow	2327	Mcd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: *4.500" Liner 2617'-5061'. Gas vented during test = 309 MCF.

Approved by Commission:	Conducted By: Bill Huntington	Calculated By: Ed Mabe	Checked By: kid
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