

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 9-19-85	
Company El Paso Natural Gas Co.		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-19-85		Total Depth 5270	Plug Back TD 5253
Elevation 6250 GR		Farm or Lease Name Brookhaven Com F	
Csg. Size 7.000	wt. 20	d 6.456	Set At 5268
Perforations: From *4248 To 5240		Well No. #7A	
Csg. Size 2.375	wt. 4.7	d 1.995	Set At 5202
Perforations: From To		Unit Sec. Twp. Rge. E 02 27 08	
Type Well - Single - Airhead - G.G. 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	G _g .690	% 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							783		889		7 Days
1.			.750	245		76	245		623		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, Mcfd
1	12.365		257	.9850	.9325	1.022	2983
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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 901	P _w ² 811801
NO. 1	P _w 635 P _w ² 403225 P _c ² - P _w ² 408576
2	
3	
4	
5	

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{811801}{408576}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4992$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6735$$

Absolute Open Flow 4992 Mcfd @ 15.025	Angle of Slope θ .75
Remarks: *4.500 liner from 2706' - 5268'.	
Light mist during test 415 MCF.	

Approved by Commission:	Conducted By: Bill Norman	Calculated By: Cliff Brock	Checked By: kld
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