

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 9-23-85			
Company El Paso Natural Gas				Connection					
Pool So. Blanco				Formation Pictured Cliffs				Unit	
Completion Date 9-23-85		Total Depth 3090		Plug Back TD 3076		Elevation		Farm or Lease Name Lindrith Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3086	Perforations: From 2968 To 3058		Well No. #115			
Tub. Size 1.610	Wt. 2.3	d 1.380	Set At 3040	Perforations: From To		Unit C	Sec. 28	Twp. 24	Rge. 03
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba			
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g .660	% 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							920		920		7 Days
1.			.750	23		61	23		177		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		36	.9990	.9535	1.004	426
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 _____ X 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 _r 933	P _w ² 870489	
NO.	P _r	P _w
1		189
2.		
3.		
4.		
5.		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{870489}{834768}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 441.3$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0363$$

Absolute Open Flow	441	Mcd @ 15.025	Angle of Slope @	Slope, n .85
Remarks: Gas vented during test = 62 MCF.				
Approved by Commission:	Conducted By: Jimmy Boone	Calculated By: Ed Mabe	Checked By: kld	