

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

Form C-122
Revised 9-1-55

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-27-85	
Company El Paso Natural Gas				Connection		
Pool Basin				Formation Dakota		Unit
Completion Date 6-27-85		Total Depth 6544		Plug Back TD 6524		Elevation 6190 GR
Form or Lease Name Angel Peak						
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6542	Perforations: From 6390 To 6508		Well No. #2E
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6486	Perforations: From To		Unit Sec. Twp. Rge. D 20 27 11
Type Well - Single - Bradenhead - 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	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Tips

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							1044		1137		7 Days
1.			.750	137		75	137		438		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, Mcfd
1	12.365		149	.9859	.9258	1.016	1709
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R F

P _c 1149 P _c ² 1320201				
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²
1		450	202500	1117701
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1320201}{1117701}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1330$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1936$

Absolute Open Flow 1936 Mcfd @ 15.025		Angle of Slope °	Slope, n .75
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Remarks: Slug of oil & water after 4 mins. Gas vented during test = 271 MCF.

Approved By Commission:	Conducted By: Don Norton	Calculated By: Ed Mabe	Checked By: kld
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