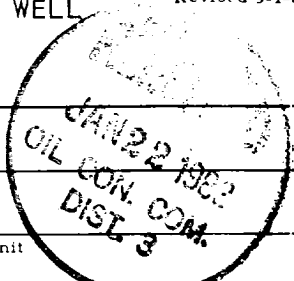


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-62



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-19-82						
Company El Paso Natural Gas Company					Connection El Paso Natural Gas Company						
Pool Basin					Formation Dakota						
Completion Date 12-14-81			Total Depth 6902		Plug Back TD 6887		Elevation 6428 GR		Farm or Lease Name Huerfano Unit		
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6902	Perforations: From 6615 To 6839				Well No. #144E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6797	Perforations: From To				Unit A	Sec. 31	Twp. 27	Rge. 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None			County San Juan			
Producing Thru Tbg.		Reservoir Temp. °F @		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 14"	Taps Flg.		

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							1108		1280		36 Days
1.	4	X	2.500			58	50		437		3 Hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	32.64	9.48	20	1.002	1.213	1.000	376
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1292	P _c ² 1669264	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1669264}{1467663}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1013$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	449	201601	1467663
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 414$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 414$

Absolute Open Flow 414	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
---------------------------	---------------	------------------------	--------------

Remarks: Producted 35.44 BBL Oil & 7.65 BBL Water During Test Gas Vented During Test = 99 MCF

Approved By Commission:	Conducted By: Bill Huntington	Calculated By: Ed Mabe	Checked By:
-------------------------	----------------------------------	---------------------------	-------------