

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 8-12-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 8-12-85		Total Depth 6940	Plug Back TD 6920
Elevation 6606 GR		Farm or Lease Name Huerfano Unit	
Csg. Size 4.500	Int. 10.5	d 4.052	Set At 6935
Perforations: From 6717 To 6841		Well No. #92E	
Tbg. Size 2.375	Int. 4.7	d 1.995	Set At 6838
Perforations: From To		Unit Sec. Twp. Rge. G 07 26 09	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a	
Mean Annual Temp. °F 12		Baro. Press. - P _a 12	
State New Mexico		County San Juan	
L	H	Gg .700	% 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
1.			.750	50		71	394		1137		7 Days
2.							50		477		3 Hrs.
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		62	.9896	.9258	1.008	708
2							
3							
4							
5							

NO.	P _t	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
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 _c 1149 P _w 1320201				
NO.	P _t	P _w	P _c ²	P _c ² - P _w ²
1		489	239121	1081080
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1320201}{1081080}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 822$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1617$$

Absolute Open Flow 822	Mcfd @ 15.025	Angle of Slope θ	Slope, n 75
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Remarks: Produced surges of oil with water throughout test.
Gas vented during test = 158 MCF.

Approved by Commission:	Conducted By: Sonny Paul	Calculated By: Ed Mabe	Checked By: kld
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