

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 5-30-85			
Company El Paso Natural Gas				Connection				
Pool Basin				Formation Dakota				Unit
Completion Date 5-20-85		Total Depth 6700		Plug Back TD 6675		Elevation 6564 Gr		Farm or Lease Name Huerfano Unit
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6691	Perforations: From 6544 To 6609			Well No. 194 E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6587	Perforations: From To			Unit Sec. Twp. Rye. N 16 26 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan	
Producing Thru TBC		Reservoir Temp. °F @		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	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							382		845		7 Days
1.			.750	23		71	23		451		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		35	9896	.9258	1.004	398
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 Hydrocarbon _____ 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 857	P _c ² 734449			
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		463	214369	520080
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{734449}{520080}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 516$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2954$$

Absolute Open. Flow 516	Mcfd @ 15.025	Angle of Slope @	Slope, n
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Remarks: Gas vented during test = 89 MCF. Unloaded oil & water after 4 minutes. changed to light spray throughout test.

Approved By Commission:	Conducted By: Joe Gillentine	Calculated By: Ed Mabe	Checked By: kld
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