

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

Form C-122
Revised 9-1-65

RECEIVED
AUG 02 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-30-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 7-30-85		Total Depth 6839		Plug Back TD 6819		Elevation 6601 GR	
Form or Lease Name Huerfano Unit						Well No. #4E	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6838	Perforations: From 6584 To 6728		Unit Sec. Twp. Rge. K 24 26 10	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6720	Perforations: From To			
Type Well - Single - Brazenhead - 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
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	149		72	149		1104		7 Days
2.									450		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		161	.9887	.9258	1.016	1851
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 _t 1116	P _w 1245456	
NO.	P _t	P _w
1	462	213444
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1245456}{1032012}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2131$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1514$$

Absolute Open Flow 2131 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Produced med. spary fluid throughout test.
Gas vented during test = 285 MCF.

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