

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Date AUG 7 1985			
Company El Paso Natural Gas			Connection OIL CON. DIV. DIST. 3		
Pool Basin			Formation Dakota		Unit
Completion Date 8-1-85		Total Depth 6802	Plug Back TD 6787		Elevation 6883 GR
Farm or Lease Name Huerfano Unit					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6802	Perforations: From 6694 To 6735	Well No. #150E
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 6710	Perforations: From To	Unit Sec. Twp. Rge. N 12 25 10
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
					Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration
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	of Flow
SI							1254		1256		7 Days
1.			.750	236		80	236		596		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		248	.9813	.9258	1.026	2858
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 _____ 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 _r 1268	P _r ² 1607824	
NO.	P _r	P _w
1	608	369664
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1607824}{1238160}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2165$
ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3477$	

Absolute Open Flow 3477 Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Produced Med. spary liquid throughout test. Gas vented during test = 437 MCF.			
Approved By Commission:	Conducted By: Joe Gillentine	Calculated By: Ed Mabe	Checked By: kld