

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					Test Date 8-9-85				
Company El Paso Natural Gas					Connection				
Pool Basin					Formation Dakota				
Completion Date 8-9-85		Total Depth 6736		Plug Back TD 6719		Elevation 6585 GR		Farm or Lease Name Huerfano Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6719	Perforations: From 6516 To 6644		Well No. #125E			
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 6634	Perforations: From To		Unit Sec. Twp. Rge. L 30 26 09			
Type Well - Single - Broadhead - G.C. 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	G _g .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							1002		1281		7 Days
1.			.750	161		85	161		509		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		173	.9758	.9258	1.020	1973
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 _c 1293	P _w 1671849	
NO.	P _r	P _w
1	521	271441
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1671849}{1400408}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2253$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1421$$

Absolute Open Flow	2253	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Produced med. spary oil throughout Test
Gas vented during test = 343 MCF.

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