

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

Form C-122
Revised 9-1-65

RECEIVED
AUG 7 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special											
Company El Paso Natural Gas						Connection					
Pool Basin						Formation Dakota					
Completion Date 8-2-85			Total Depth 6748			Plug Back TD 6734			Elevation 6552 GR		
Farm or Lease Name Huerfano Unit											
Csg. Size 4.500		Wt. 10.5		ID 4.052		Set At 6748		Perforations: From 6552 To 6669			
Teg. Size 2.375		Wt. 4.7		ID 1.995		Set At 6674		Perforations: From To			
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		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	
1.			.750	77		75	605		1230		8 Days
2.							77		365		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		89	.9859	.9258	1.010	1015
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 1242	P _w 1542564	
NO.	P _r	P _w
1		377
2		142129
3		1400435
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1542564}{1400435}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0752$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1091$$

Absolute Open Flow	1091	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Produced light mist oil throughout test.
Gas vented during test = 217 MCF.

Approved by Commission:	Conducted By: John Easley	Calculated By: Ed Mabe	Checked By: kld
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