

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 7-25-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 7-25-85		Total Depth 6606		Plug Back TD 6585		Elevation 6413 GR	
Farm or Lease Name Huerfano Unit							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6607	Perforations: From 6413 To 6520		Well No. #136 E	
Tqg. Size 2.375	wt. 4.7	d 1.995	Set At 6502	Perforations: From To		Unit Sec. Twp. Rge. L 21 26 09	
Type Well - Single - Bradenhead - 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
1.			.750	109		73	1256		1256		7 Days
2.							109		382		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		121	.9877	.9258	1.016	1390
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	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

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 OIL CON. DIV.
 DIST. 3

P _c 1268	P _c ² 160784	
NO. 1	P _w 394	P _w ² 155236
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1607824}{1452588}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0791$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1500$$

Absolute Open Flow	1500	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Gas vented during test = 226 MCF.

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