

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST REPORT

Form C-122
Revised 9-1-65

RECEIVED

AUG 7 1985

OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special												Test Date 8-2-85		
Company El Paso Natural Gas						Connection								
Pool Basin						Formation Dakota						Unit		
Completion Date 8-2-85			Total Depth 6890			Plug Back TD 6872			Elevation 6657 GR			Farm or Lease Name Huerfano Unit		
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 6890		Perforations: From 6671 To 6821				Well No. #176 E		
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 6809		Perforations: From To				Unit Sec. Twp. Rge. H 15 26 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 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		225		75	1376		1524		7 Days
2.							225		625		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, Fpv	Rate of Flow Q, Mcfd
1	12.365		237	.9859	.9258	1.026	2744
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 1536 P _w ² 2359296				
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1		637	405769	1953527
2				
3				
4				
5				

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{2359296}{1953527}$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1521$$

$$ACF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3161$$

Absolute Open Flow	3161	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:
 Gas vented during test = 429 MCF.

Approved By Commission:	Conducted By: Bill Huntington	Calculated By: Ed Mabe	Checked By: kld
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