

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 6-19-85	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 6-19-85		Total Depth 6368		Plug Back TD 6339		Elevation 5659 GR	
Farm or Lease Name Hudson		Well No. #1E		Oil CON. DIV. DIST. 3			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6362	Perforations: From 6139 To 6282		Unit Sec. Twp. Rge. 0 8 29 12	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6268	Perforations: From To		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12	
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							749		1100		7 Days
1.			.750	60		78	60		385		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		72	.9831	.9258	1.010	818
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _f	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 1112	P _c ² 1236544	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1236544}{1078935}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1077$
NO.	P _t	P _w	P _w ²
1		397	157609
2			
3			
4			
5			

Absolute Open Flow 906 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
Remarks: Made slug of water after 3 minutes. Gas vented during test = 135 MCF			
Approved By Commission:	Conducted By: Bob Haire	Calculated By: Ed Mabe	Checked By: kld