

N. MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Copy 2-51
C-122

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-3-75		JUL 16 1975	
Company Perry R. Bass				Connection Natural Gas Pipeline Co. of Am.					
Pool Burton Flats (Morrow)				Formation Morrow				Unit O.C.C. ARTEZIA, OFFICE	
Completion Date		Total Depth 11,700'		Plug Back TD 11,650'		Elevation 3314' KDB		Farm or Lease Name Bass State Communitized	
Csg. Size	Wt.	d	Set At	Perforations: From 11,447 To 11,556				Well No. -1	
Tbg. Size 2 7/8	Wt. 6.5	d	Set At 11,099	Perforations: From 11,447 To 11,556				Unit Sec. Twp. Rge. E 15 21S 27E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas						Packer Set At 11,099		County Eddy	
Producing Thru Tubing		Reservoir Temp. *F 195 @ 11,501		Mean Annual Temp. *F		Baro. Press. - P _a		State New Mexico	
L 11,501	H 11,501	G _g .586	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 3	Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. *F	Press. p.s.i.g.	Temp. *F	Press. p.s.i.g.	
SI	SI 88 hrs.						3312	79		
1.	3.068	1.625	806	.6	80	3197	73			60
2.	3.068	1.625	806	2.4	96	3087	72			60
3.	3.068	1.625	806	5.8	101	2946	72			60
4.	3.068	1.625	806	14.3	101	2681	72			60
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	13.24	22.17	819.2	.9813	1.306	1.065	401
2.	13.24	44.34	819.2	.9671	1.306	1.050	779
3.	13.24	68.93	819.2	.9628	1.306	1.050	1205
4.	13.24	108.23	819.2	.9628	1.306	1.050	1892
5.							

NO.	P _t	Temp. *R	T _f	Z	Gas Liquid Hydrocarbon Ratio	None	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	None	Deg.
2.					Specific Gravity Separator Gas	.586	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 3325.2	P _c ² 11057					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3613$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.060$
1	3201.3	10248	809		AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5790$	
2	3091.4	9556	1501			
3	2953.0	8720	2337			
4	2728.3	7444	3613			
5						

Absolute Open Flow	5790	Mcf/d @ 15.025	Angle of Slope θ	45°	Slope, n	1.000
Remarks: Bottom Hole Pressure was recorded w/Amerada RPG-3 Gauge						
Approved By Commission: _____ Conducted By: <i>James B. Rudy</i> Calculated By: _____ Checked By: _____						