

MEXICO OIL CONSERVATION COMM ON
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-69

123 file
C-123 file

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-7-72		NM 02753 60																																					
Company Phillips Petroleum Company				Connection Shut-In		AUG 15 1972																																					
Pool Carlsbad, So. (Morrow) Gas				Formation Morrow		Unit O. C. C. ARTESIA, OFFICE																																					
Completion Date 8-2-72		Total Depth 12,041'		Plug Back TD 11,970'		Elevation 3217' Gr. 3237' DF																																					
Farm or Lease Name Drag-B				Well No. 1																																							
Csg. Size 5-1/2"	Wt. 17#, 20#	d 3.434	Set At 12,040	Perforations: From 11,468 To 11,721		Unit Sec. Twp. Rge. K 18 23-S 27E																																					
Tbg. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 11,383	Perforations: From --- To ---																																							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 11,380'		County Eddy																																					
Producing Thru tubing		Reservoir Temp. °F 178 @ 12,041		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2																																					
L 11468		H 11468		G _g .580		% CO ₂ --- % N ₂ .72 % H ₂ S --- Prover ---																																					
						Meter Run 4																																					
						Taps Flange																																					
FLOW DATA				TUBING DATA		CASING DATA																																					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.																																				
SI							Temp. °F																																				
1.	3.826 x 2.00			640	6	80	4033																																				
2.	" "			660	22	71	4048																																				
3.	" "			670	54	56	3861																																				
4.	" "			850	93	57	3438																																				
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	19.99	62.60	653.2	.9831	1.313	1.047	1691																																				
2	19.99	121.70	673.2	.9896	1.313	1.052	3325																																				
3	19.99	192.07	683.2	1.004	1.313	1.057	5350																																				
4	19.99	283.33	863.2	1.003	1.313	1.069	7973																																				
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Absolute Open Flow 18,176 Mcfd @ 15.025 Angle of Slope @ 55.3																																											
Remarks: Test run at capacity of test equipment on last rate. Produce about one barrel water on first rate.																																											
Approved By Commission:		Conducted By: D. E. Simpson		Calculated By: D. E. Simpson		Checked By: W. J. Mueller																																					

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AUG 14 1972
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO