

*CORRECTED COPY

NEW MEXICO OIL CONSERVATION CO.SSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

AUG 9 1973

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-2-73	
Company Coquina Oil Corporation		Connection None	
Pool Burton Flat		Formation Strawn	
Completion Date 8-2-73		Total Depth 11,614	Plug Back TD 11,580
		Elevation 3275 KB	
Farm or Lease Name Yates-State			
Csg. Size 7	Wt. 23	Set At 11,614	Perforations: From 10,262 To 10,297
Tbg. Size 2 3/8	Wt. 4.8	Set At 10,217	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual		Packer Set At 10,217	County Eddy
Producing Thru Strawn	Reservoir Temp. °F 170	Mean Annual Temp. °F 10,275	Baro. Press. - P _a 13.2
L 10,217	H 10,217	G _g .661	% CO ₂ % N ₂ % H ₂ S Prover 3" Flg.
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	3	x	1.250
2.	3	x	1.250
3.	3	x	1.250
4.	3	x	1.250
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	3761	81	72 hr
2.	3184	81	2 "
3.	3014	81	2 "
4.	2542	81	2 "
5.	2165	78	2 "
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	3761	81	72 hr
2.	3184	81	2 "
3.	3014	81	2 "
4.	2542	81	2 "
5.	2165	78	2 "
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.	7.577	99.79	553.2
2.	7.577	118.84	543.2
3.	7.577	167.48	603.2
4.	7.577	212.81	713.2
5.			
NO.	P _r	Temp. °R	T _r
1.	.83	555	1.47
2.	.81	550	1.46
3.	.90	542	1.43
4.	1.06	537	1.42
5.			
Gas Liquid Hydrocarbon Ratio 11.5 Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons 57.2 @ 60° Deg.			
Specific Gravity Separator Gas .661 X X X X X X X X			
Specific Gravity Flowing Fluid X X X X X G. Mix .899			
Critical Pressure 670 P.S.I.A. 662 P.S.I.A.			
Critical Temperature 378 R 454 R			
P _c 3774.2 P _w 14,244.6			
NO.	P _c	P _w	P _c ² - P _w ²
1	10,222.1	3439.7	11,831.5
2	9,163.9	3295.1	10,864.3
3	6529.0	2889.3	8348.1
4	4744.6	2491.3	6205.6
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.772$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.481$			
SLOPE = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.093$			
Absolute Open Flow 3,095 Mcfd @ 15.025 Angle of Slope 55.5 Slope, n .687			
Remarks: Bomb set at 10,275 * Made a total of 21 Bbls. Condensate			
Approved By Commission: Conducted By: Reggie Reston Calculated By: Reggie Reston Checked By:			