

NEW XICO OIL CONSERVATION COMMISS C
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-9-85	
Company TEXACO Producing Inc.		Connection Unconnected	
Pool Bilbrey Basin Morrow		Formation Morrow	
Completion Date 2-9-85	Total Depth 14720	Plug Back TD 14720	Elevation 3684 GR
Farm or Lease Name Bilbrey 29 Fed.Com.		Well No. 1	
Csg. Size 4 1/2	Wt. 13.5#	d 3.920	Set At 14720
Perforations: From 14236 To 14288		Unit Sec. Twp. Rge. K 29 21S 32E	
Tbg. Size 2 3/8	Wt. 4.7#	d 1.995	Set At 13604
Perforations: From 14236 To 14288		County Lea	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 13604	
Producing Thru Tubing	Reservoir Temp. °F 247 ^{0a} 14262	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2
State New Mexico		Meter Run 3	
L 14262	H 14262	G _g 0.5863	% CO ₂ 1.089
% N ₂ 0.331	% H ₂ S	Prover	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.		Temp. °F
SI	3"	x	7/8"				4973	53	Packer		
1.	3"	x	7/8"	300	2.5	58	4665	64			102 Min
2.	3"	x	7/8"		2.5	61	4520	67			150 Min
3.	3"	x	7/8"		23.0	60	4000	66			180 Min
4.	3"	x	7/8"		27.5	58	3780	64			80 Min
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	4.713	27.98	313.2	1.0019	1.0115	1.025	137
2	4.713	41.50	313.2	0.9990	1.0115	1.025	203
3	4.713	84.87	313.2	1.0000	1.0116	1.025	415
4	4.713	92.80	313.2	1.0019	1.0116	1.025	454
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1	0.46	518	1.484	.951	Specific Gravity Separator Gas 0.5863	XXXXXX
2	0.46	521	1.493	.952	Specific Gravity Flowing Fluid XXXXX	
3	0.46	520	1.490	.952	Critical Pressure 676	P.S.I.A.
4	0.46	518	1.484	.951	Critical Temperature 349	R
5.						

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1		6225	38,751	4546
2		6077	36,930	6366
3		5511	30,371	12925
4		5363	28,762	14535
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{2979}{}$

ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{1,353}{}$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{2979}{}$

Absolute Open Flow	1,353	Mcfd @ 15.025	Angle of Slope @	Slope, n 1.000
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Remarks: * FROM BHP DATA ** THOUSANDS OF POUNDS NO FLUID RECOVERY

Approved By Commission:	Conducted By: Martinez/Burton	Calculated By: Burton	Checked By: <i>W.B. Burton</i>
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