

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

Form C-122
Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 1-7-74	
Company Continental Oil Company			Connection Unconnected		
Pool <i>Blanco</i>			Permutation Mesa Verde		Unit
Completion Date		Total Depth 5950' KB	Plug Back TD 5914' KB	Elevation 6863' GR '75	Farm or Lease Name KB AXI Apache "0"
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5950'	Perforations: From 5640 To 5650 5239 To 5244	Well No. 2
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 5640' KB	Perforations: From 5152 To 5162	Unit Sec. Twp. Rge. D 3 25N 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 142 @ 5401' KB	Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2
L		H	G _g .680	% CO ₂	% N ₂
				% H ₂ S	Prove XXXXX Meter Run XXXXX
Choke Nipple					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prove 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							1200		1206		S-I 7 Days
1.	3/4" Choke Nipple		43			50°	43	50	258	50	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	9.604		55.2	1.010	1.061	1.005	571
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.0825	510	1.325	.991	A.P.I. Gravity of Liquid Hydrocarbons	Duq.
2.					Specific Gravity Separator Gas .680	XXXXXX
3.					Specific Gravity Flowing Fluid XXXXX	DIST 3 .388
4.					Critical Pressure 669	P.S.I.A.
5.					Critical Temperature 385	R

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	3.047	270.2	73.008	1411
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0588$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0433$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 596$

Absolute Open Flow	596	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Liquid is Salt Water & Condensate

Approved By Commission:	Conducted By: E. B. Errett	Calculated By: E. B. Errett	Checked By:
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