

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 5/23/79	
Company Continental Oil Co.		Connection None	
Pool Blanco		Formation Blanco Mesa Verde	
Completion Date 5/2/79	Total Depth 6200	Plug back TL 6117	Elevation 7226
Farm or Lease Name ART APACHE "N"		Well No. 15	
Gas. Wt. 7.5	Wt. 10.5	d 4.052	Set At 6037
Perforations: From 5914 To 6075		Unit H 11 25N 4W	
Trg. Size 2 1/16	Wt. 3.25	d 1.751	Set At 6037
Perforations: From open ended		County Rio Arriba	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At None	
Producing Thru 6037	Reservoir Temp. °F 50°	Mean Annual Temp. °F 50°	Baro. Press. - P _a 12.2
Prover 3/11		State N. Mex	
H 6037	Gg 6037	% CO ₂	% N ₂
Meter Run 3/11		Taps	

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
1.	3/4" positive choke			200		59°	225	59°	205	60°	3 hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.00		212.2	1.001	1.204	1.023	2,878
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					191:1		XXXXXXX	XXXXX	P.S.I.A.	P.S.I.A.
2.										
3.										
4.										
5.										

NO.	P _c	P _w	H _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1232.2	1518316.8	50625	618	38335	11377.3
2.						
3.						
4.						
5.						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,579.9$

Absolute Open Flow	3,579.9	Mcfd @ 15.025	Angle of Slope	0
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Remarks: Fluid production was 15 Bbls of oil

Approved By Commission:	Conducted By: D.L. Moore	Calculated By: D.L. Moore	Checked By:
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