

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 10-20-80	
Company Tenaco, Inc				Connection none		
Pool Blanco Mesaverde				Formation Mesaverde		Unit
Completion Date 9-28-80		Total Depth 4770'		Plug Back TD 4720'		Elevation 5800 KB
Farm or Lease Name New Mexico Com						
Csq. Size 4.5"	Wt. 10.5	d 3.927	Set At 4770	Perforations: From 3992 To 4699		Well No. 1A
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4700	Perforations: From - To -		Unit Sec. Twp. Rge. P 36 30N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none		County San Juan
Producing Thru tubing		Reservoir Temp. °F 127 @ 4718		Mean Annual Temp. °F 50		State New Mexico
Baro. Press. - P _a 12.2						
L 4700	H 4700	G _g .707	% CO ₂ 0.9	% N ₂ 0.7	% H ₂ S 0	Prover -
Meter Run -		Taps -				

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover 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							575		795		
1.											
2.	2"	x	3/4	170		80			675		3 hr.
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		182.2	0.9817	1.189	1.018	2381
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio ----- Mcf/bbl.
1.	0.27	540	1.41	0.965	A.P.I. Gravity of Liquid Hydrocarbons ----- Deg.
2.					Specific Gravity Separator Gas .707 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX
4.					Critical Pressure 671 P.S.I.A. P.S.I.A.
5.					Critical Temperature 382 R R

P _c 807.2	P _c ² 651.6	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.632$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.631$	
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	
1		687.2	472.2	179.4	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6264$			
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Absolute Open Flow 6264 Mcfd @ 15.025	Angle of Slope θ -----	Slope, n 0.75*
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Remarks: * Pool slope.			
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Approved By Commission:	Conducted By: T.Hobbs-M.Videtich	Calculated By: T.Hobbs	Checked By:
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