

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

RECEIVED
APR 1 1969
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-17-69	
Company Tenneco Oil Co.				Connection	
Pool Pictured Cliffs				Formation Pictured Cliffs	
Completion Date		Total Depth 3263		Plug Back TD 3193	
		Elevation 6447		Farm or Lease Name Florance	
Csg. Size 3.5	Wt. 7.7	Set At 3225	Perforations: From 3160 To 3180		Well No. 106
Tbg. Size	Wt.	Set At	Perforations: From To		Unit Sec. Twp. Rge. M 8 30 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Casing				Baro. Press. - P_a 12.0	
Reservoir Temp. °F 8				Mean Annual Temp. °F	
County San Juan				State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI									735		
1.	2 x 3/4								276	60	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 F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1	12,3650		288	1.000	.9608	1.030	3524
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
1.					Specific Gravity Separator Gas _____ X X X X X X X X		
2.					Specific Gravity Flowing Fluid _____ X X X X X		
3.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
4.					Critical Temperature _____ R _____ R		
5.							

P_c 747	P_c^2 558009		
NO.	P_t^2	P_w	P_w^2
1		315	99055
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2158$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1806$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4160$$

Absolute Open Flow 4160 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: Neil Tafteller	Checked By:

Company TENNECO OIL COMPANY Lease FLORANCE Well No. 106
 Field PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date MARCH 17, 1969

Status of Well Shut in 16 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	735	
1000	756	0.021
2770	794	0.021
2970	798	0.020
*3163 Mid-Perf	802	0.020

* Inst. tagged btm @ 3163'

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

