

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 10-1-66					
Company Tenneco Oil Co.						Connection					
Pool Basin Dakota						Formation Dakota					
Completion Date				Total Depth		Plug Back TD 7553		Elevation 6400		Farm or Lease Name Newberry B	
Csg. Size 4.5	Wt.	d	Set At 7557	Perforations: From 7335 To 7520				Well No. B-1			
Tbg. Size 2.375	Wt.	d	Set At 7520	Perforations: From To				Unit Sec. Twp. Rge. C 35 32 12			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan			
Producing Thru		Reservoir Temp. °F 206 @ 7427		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico			
L	H	Gg .650	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							2595		2590		
1.	2	X	3/4				812	60	2140		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		824	1,000	.9608	1.094	10708
2.							
3.							
4.							
5.							

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

P _c 2607	P _c ² 6796449		
NO.	P _t ²	P _w	P _w ²
1		2152	4631104
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{3.1387}}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{25251}}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{2.3581}}$

Absolute Open Flow 25251	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____			
Approved By Commission:		Conducted By:	Calculated By: Neil Tefteller
		Checked By: <i>J. E. Massey</i>	

Company TENNECO OIL COMPANY Lease NEWBERRY Well No. B-1
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date OCTOBER 1, 1966

Status of Well Shut in 14 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	2595	
2000	2738	0.072
4000	2872	0.069
7027	3055	0.061
7227	3070	0.075
7427	3085	0.075

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

