

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

Form C-122
Revised 9-1-55

Type Test ☐ Initial ☐ Annual ☒ Special						Test Date 11-13-75			
Company TENNECO OIL COMPANY				Connection					
Pool Fruitland (Undesignated)				Formation Fruitland				Unit A	
Completion Date 11-3-75		Total Depth 2525		Plug Back TD 2400		Elevation 6001 KB		Farm or Lease Name Bassett	
Csg. Size Original	Wt.	d	Set At	Perforations: From 2224 To 2250				Well No. # 1	
Thg. Size	Wt.	d	Set At	Perforations: From To				Unit, Sec. Twp. Rge. #, 33, 30N, 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Plug back to Fruitland						Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
		.680							

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.	
SI							452		452	
1.	2 x .750			20		5 PF	20	51	192	
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	11		32	1.009	1.213	1.002	432
2							
3							
4							
5							

NO.	P _i	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.047	511	1.33	0.996	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	°F

P _c 464	P _c ² 215296		
NO.	P _i ²	P _w	P _w ²
1	1024	204	41616
2			
3			
4			
5			

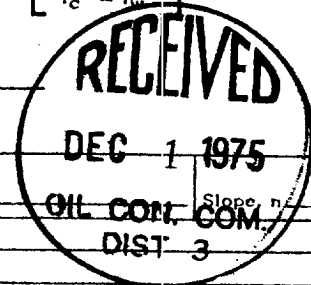
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2396$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 508$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1748$

Absolute Open Flow 508		Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: J.D. Hicks	Checked By:
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Drill #1 11-13-75

T4B

CAS

TEMP

12:00	452	452	—
12:15	38	372	53
12:30	36	374	57
12:45	33	388	56
1:00	30	264	57
1:30	26	237	54
2:00	24	219	52
3:00	20	192	51

