NEW MEXICO OIL CONSERVATION COMMSSION

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
Tbg. Size / Wt. / d / Set At		Perforations: From To		Unit: M, Sec.: 33, Twp.: 30N, Rge.: 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: 0	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.680						

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI						452		452		
1.	2	x .750	20		5 PF	20	51	192		3 hours
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	11		32	1.009	1.213	1.002	432
2							
3							
4							
5							

NO.	P_t	Temp. °R	T_f	Z
1	.047	511	1.33	0.996
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ F _____ R

P_c 464 P_c^2 215296

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	1024	204	41616	173,680
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2396$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1748$

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

RECEIVED
DEC 1 1975
OIL CON. COM.
DIST. 3

Absolute Open Flow 508 Mcfd @ 15.025 Angle of Slope θ _____ Slope n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: J.D. Hicks	Checked By:

Desert #1 11-13-75

	Tub	Cas	Temp
12:00	452	452	—
12:15	38	372	53
12:30	36	324	57
12:45	33	288	56
1:00	30	264	57
1:30	26	237	54
2:00	24	219	52
3:00	20	192	51