Dilc

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 29 1966
OIL CON. COM.
DIST. 3

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 9-19-66	
Company: Tenneco Oil Co.			Connection		Unit
Pool: Basin Dakota			Formation: Dakota		
Completion Date	Total Depth		Plug Back TD: 7550	Elevation: 6400	Farm or Lease Name: Moore
Csg. Size: 4.5 / Wt. / d / Set At: 7576			Perforations: From 7357 To 7514		Well No.: 2
Tbg. Size: 2.375 / Wt. / d / Set At: 7519			Perforations: From To		Unit: F / Sec.: 26 / Twp.: 32 / Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At		County: San Juan
Producing Thru: TBG	Reservoir Temp. °F: 206 @ 7500		Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: N.M.

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

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							1744		1741		
1.	2	x	3/4				291	60	969		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		303	1.000	.9608	1.031	3710
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
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 _____ R _____ R

P_c 1756 P_c^2 3083536

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		981	962361	2121175
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4537$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3239$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4912$

Absolute Open Flow 4912 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Neil Teftteller	

J. E. Massey