NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 12-19-75	
Company: R & G Drilling Co.	Connection: Waiting on Pipeline			
Pool: South Blanco P. C.	Formation: Pictured Cliffs		Unit:	
Completion Date: 12-5-75	Total Depth: 2345	Plug Back TD: 2101	Elevation: 5888KB	Farm or Lease Name: Graham
Csg. Size: 4.500 / Wt.: 11.60 / d: 3.875 / Set At: 2345	Perforations: From 2033 To 2058			Well No.: 30-A
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 2050	Perforations: From Open To Ended			Unit: M / Sec.: 10 / Twp.: 27N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: None			County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: - @ -	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2050	2050	0.60	-	-	-	-	-	-

	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						530		530		8 da.
1.	3/4" THC					62	60	306		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12,3650		74	1.0000	1.0000	1.0000	915
2.							
3.							
4.							
5.							

NO.	P_t	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

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OIL CON. COM.
DIST. 3

P_c 542 P_c^2 293,764

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		318	101,124	192,640
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{293,764}{192,640}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5249$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4314$

Absolute Open Flow 1,310 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bob Dintlemen	Ewell N. Walsh	