NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 15 1970
OIL CON. COM.
DIST. 3

Type Test: XX Initial ☐ Annual ☐ Special			Test Date: 1-12-70	
Company: Aztec Oil & Gas Company	Connection: El Paso Natural Gas			Unit
Pool: Basin	Formation: Dakota			
Completion Date: 1-5-70	Total Depth: 8645	Plug Back TD: 8634	Elevation: 6970 Gr	Farm or Lease Name: Wells Canyon
Csg. Size: 4½" / Wt.: 11.6 / d: / Set At: 8640		Perforations: From 8538 To 8612		Well No.: #1
Tbg. Size: 1½" / Wt.: 2.75 / d: / Set At: 8539		Perforations: From Opened To		Unit: M / Sec.: 21 / Twp.: 32N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico

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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2	3/4				1100		1100		
1.						3		229		
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	12.365		15	1.000	.9258	1.000	171
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1112 P_c^2 1236544

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		225	50625	1185919
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0427$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0318$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 176$

Absolute Open Flow 176 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jim O Adams	