NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 1-26-70	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gas			
Pool: Basin		Formation: Dakota		Unit	
Completion Date: 1-19-70	Total Depth: 8190	Plug Back TD: 8184	Elevation: 6974 Gr	Farm or Lease Name: Jicarilla 101	
Csg. Size: 4.5 / Wt.: 10.5 / d: / Set At: 8216		Perforations: From 7892 To 8084		Well No.: #3	
Tbg. Size: 1.5 / Wt.: 2.9 / d: / Set At: 7850		Perforations: From Opened To		Unit: N / Sec.: 1 / Twp.: 26 / Rge.: 4	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual		Packer Set At: 7850		County: Rio Arriba	
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						1821				
1.						131				
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		143	1.0000	.9258	1.0000	1637
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1833 P_c^2 3360

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	25	279	78	3282
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0238$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0131$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1658$

Absolute Open Flow 1658 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

RECEIVED
JAN 31
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By:	Calculated By:	Checked By: