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: 5-10-69	
Company: Aztec Oil and Gas	Connection: Southern Union Gas			
Pool:	Formation: Pictured Cliffs		Unit:	
Completion Date: 5-5-69	Total Depth: 2540	Plug Back TD: 2540	Elevation: 5946 Gr	Farm or Lease Name: Oliver
Csg. Size: 4½ / Wt.: 9.5 / d: 4.090 / Set At: 2540		Perforations: From 2418 To 2441		Well No.: 3
Tbg. Size: 1.315 / Wt.: 1.7 / d: 1.049 / Set At: 2415		Perforations: From open erded To		Unit: A / Sec.: 25 / Twp.: 31 / Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single		Packer Set At:		County: San Juan
Producing Thru:	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				673		673		
1.						361		333		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	12.365		345	1.000	.9258	1.037	4095
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 685 P_c^2 469225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	119025		127113	342169
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3713$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3078$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5355$

Absolute Open Flow 5355 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

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

RECEIVED
MAY 27 1969
OIL CON. COM.
DIST.