NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
'69
OIL CON. COM.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 3-20-69	
Company: Aztec Oil and Gas		Connection: El Paso Natural Gas			
Pool: Ballard		Formation: Pictured Cliffs		Unit	
Completion Date: 3-12-69	Total Depth: 2310	Plug Back TD: 2288	Elevation: 6461 Gr	Farm or Lease Name: State 575	
Csg. Size: 4-1/2 / Wt.: 10.5 / d: / Set At: 2288		Perforations: From 2320 To 2238		Well No.: 1	
Tbg. Size: 1 / Wt.: 1.7 / d: / Set At: 2226		Perforations: From open ended To		Unit: N / Sec.: 36 / Twp.: 26N / Rge.: 8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single		Packer Set At		County: San Juan	
Producing Thru: casing	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2		3/4				338		545		
1.							49		28		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		61	1.000	.9258	1.009	704
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

P_c 557 P_c^2 310,249

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	3721	63	4175	306,074
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0136$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0114$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 712$

Absolute Open Flow 712 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jo C Johnson	