2nd

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 2-1-65

RECEIVED
SEP 16 1966
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 9/15/66	
Company: Aztec Oil and Gas	Connection: Southern Union Gathering			
Pool: Blanco Mesaverde	Formation: Mesaverde		Unit	
Completion Date: 8/30/66	Total Depth: 7320	Plug Back TD: 7312	Elevation: 6117	Farm or Lease Name: Culpepper Martin
Csg. Size: 4½ / Wt.: 10.5 &11.6 / d: 4.000 / Set At: 7330	Perforations: From 4912 To 5009			Well No.: 5
Tbg. Size: 1½ / Wt.: 2.75 / d: 1.61 / Set At: 7125	Perforations: From 7130 To open ended			Unit: M / Sec.: 22 / Twp.: 32N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GG Dual		Packer Set At: 7125		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
3438								

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"		14 day SI				810		
1.								489	60 (est)	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		501	1.000	.9258	1.064	6102
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 822 P_c^2 675,684

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	251,001		260,161	415,523
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.626$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.44$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8787$

Absolute Open Flow 8787 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Original Signed By Carl E. Jameson	Checked By: