NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 12 1967
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9/9/67	
Company: Aztec Oil and Gas			Connection: Southern Union Gathering		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 8/26/67	Total Depth: 7815		Plug Back TD: 7800	Elevation: 6603 GL	Farm or Lease Name: Decker
Csg. Size: 4½" / Wt.: 11.6 & 10.5 / d / Set At: 7815			Perforations: From 5395 To 5483		Well No.: 2
Tbg. Size: 2-3/8 / Wt.: 4.7# / d / Set At: 7550			Perforations: From open ended To		Unit: A / Sec.: 26 / Twp.: 32N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 7550		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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				1796		663		
1.						1810	60(est)	318	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		330	1.000	.9258	1.037	3,917
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 675 P_c^2 455,625

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	108,900		129,653	325,972
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3977$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2854$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5035$

Absolute Open Flow 5035 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

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