NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 8/19/77	
Company: Continental Oil Co.	Connection: None			
Pool: Blanco	Formation: Mesa Verde		Unit	
Completion Date: 8/3/77	Total Depth: 5960	Plug Back TD: 5876	Elevation: 6892	Farm or Lease Name: AXI Apache K
Csg. Size: 5 1/2 / Wt.: 15.5 / d / Set At: 5945		Perforations: From 5204 To 5740		Well No.: 5-A
Tbg. Size: 2 3/8 / Wt.: 4.7 / d / Set At: 5875		Perforations: From To		Unit: P / Sec.: 10 / Twp.: 26N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single G		Packer Set At		County: Rio Arriba
Producing Thru: Tbg	Reservoir Temp. °F: 130° @ 5675	Mean Annual Temp. °F: 50°F	Baro. Press. – P_a: 12.2	State: N.M.
L: 5875 / H: 5875 / Gg: .69	% 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							928	70°	928	70°F	
1.	3/4" Choke nipple			165		60°F	165	60°	458	60°	3hr.
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	11.00		177	1.00	1.204	negl.	2,344
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

AUG 31 1977
OIL CON. COM.
DIST. 3

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 940 P_c^2 883600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		394	155179	728421
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.213$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.156$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,709$

Absolute Open Flow 2,709 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. L. Moore	D. L. Moore	

NMOCC, AZTEC (2) - USGS, DURANGO (2) - BEA - FILE