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: 4/15/78	
Company: Continental Oil Company		Connection: None			
Pool: East San Juan		Formation: Pictured Cliff		Unit	
Completion Date: 4/6/78	Total Depth: 8425'	Plug Back TD: 6400'	Elevation	Farm or Lease Name: Conoco 29-4	
Csg. Size: 7" / Wt.: 23 / d: 6.366 / Set At: 7055'		Perforations: From 3728' To 3876'		Well No.: 4	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 3730'		Perforations: From open ended To		Unit: N / Sec.: 24 / Twp.: 29N / Rge.: 4W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single G		Packer Set At: none		County: Rio Arriba	
Producing Thru: Tbg	Reservoir Temp. °F: 121° @ 3720'	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2	State: N. Mex.	
L: 3730' / H: 3730' / Gg: .690	% CO_2	% N_2	% H_2S	Prover	Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI				1075		60°	1075	60°	1065	60°	
1.	3/4" choke nipple					65°	365	68°	859	60°	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	11.0		377	.9924	1.204	1.139	5,643.9
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.5115	528	1.37	.926
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 1057 P_c^2 1116.249

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1.94	116.24	999.5
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6881$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5606$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8,808$

Absolute Open Flow 8,808 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

RECEIVED
APR 21 1978
OIL CON. COM.
DIST. 3

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

NMOCC AZTEC (2) - USGS, DURANGO (2) - NWPL, S.L.C. - BEA - FILE