

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 4-7-75	
Company: CONTINENTAL OIL CO.				Connection: UN CONNECTED		
Pool:				Formation: PICTURED CLIFFS		Unit: 1
Completion Date: 1-7-75		Total Depth: 2547		Plug Back TD: 2456 KB		Elevation: 6949.42
Csg. Size: 2 7/8	Wt.: 6.5	d: 2.5	Set At: TD	Perforations: From 2431' To 2460'		Form of Lease Name: AVE APACHE P
Thq. Size:	Wt.:	d:	Set At:	Perforations: From To		Well No.:
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE				Packer Set At:		County: SANDOVAL
Producing Thru: 2 7/8" CASING		Reservoir Temp. °F: 90° @ 2440' @		Mean Annual Temp. °F: 50°		Baro. Press. - P _a : 13.2
L:	H:	G _g : 1.695	% CO ₂ :	% N ₂ :	% H ₂ S:	Prover: 3/4" 2 HOKE NIPPLE

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	3/4" C HOKE NIPPLE			38		43°			610	92°	57 DAYS 3 HRS
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		50.2	1.017	1.200	1.000	588
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.
1.					Specific Gravity Separator Gas: XXXXXXXXXX	
2.					Specific Gravity Flowing Fluid: XXXXX	
3.					Critical Pressure: P.S.I.A.	P.S.I.A.
4.					Critical Temperature: R	R
5.						

P_c 622.2 P_c² 382.1

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	2809	63.59	4044	383.1
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0104$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0088$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 593$

Absolute Open Flow: 593 Mcfd @ 15.025	Angle of Slope: 85
---------------------------------------	--------------------

Remarks:

Approved By Commission:	Conducted By: PPT DeFoe	Calculated By: PPT DeFoe	Checked By:
-------------------------	-------------------------	--------------------------	-------------

