STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

RECEIVED
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OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 8-2-85	
Company: Caulkins Oil Company		Connection:			
Pool: Basin Dakota		Formation: Dakota		Unit:	
Completion Date: 7-26-85	Total Depth: 7525'	Plug Back TD: 7525'	Elevation: 6662' GR	Farm or Lease Name: Sanchez	
Csg. Size: 5 1/2" / Wt.: 17# / 15.5 # / d: 4.950 / 4.892 / Set At: 7525'		Perforations: From 7216 To 7456		Well No.: 4-R	
Tbg. Size: 2 1/16" / Wt.: 3.75# / d: 1.750 / Set At: 7339'		Perforations: From 7339' To		Unit: F / Sec.: 25 / Twp.: 26N / Rge.: 6W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Gas Multiple		Packer Set At: 5392'		County: Rio Arriba	
Producing Thru: Tubing	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						1613		PKR		7 Days
1.						210		PKR		3 Hours
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	14.1605		222	1.000	1.000	1.000	3,143
2.							
3.							
4.							
5.							

NO.	P_t	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 1625 P_c^2 2,640,625

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	49,284	728	530,162	2,110,463
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2512$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1830$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,718$

Absolute Open Flow 3,718 Mcfd @ 15.025 Angle of Slope θ 75 Slope, n _____

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By: