

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
AUG 08 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8-2-85		AUG 08 1985 OIL CON. DIV. DIST. 3				
Company Caulkins Oil Company					Connection						
Pool Blanco Mesa Verde					Formation Mesa Verde						
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 4938 To 5378		Well No. 4-R	
Thq. Size 2 1/16"		Wt. 3.75#		d 1.750		Set At 5347'		Perforations: From 5347' To		Unit Sec. Twp. Rge. F 25 26N 6W	
Type Well - Single - Drdhead - G.C. 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		G _g		% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps							

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							1064		917		7 Days S
1.							222		562		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			234	1.000	1.000	1.000	3,316
2.							
3.							
4.							
5.							

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

P _c 1076 P _c ² 1,157,776				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		574	329,476	828,300
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.3978$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4,262$

(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.2855$

Absolute Open Flow	4,262	Mcfd @ 15.025	Angle of Slope @	75	Slope, n
Remarks:					
Approved By Division		Conducted By:		Checked By:	