

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
APR 23 1993

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-20-93		OIL CON. D' DIST. ?	
Company Caulkins Oil Company				Connection			
Pool Basin Fruitland Coal				Formation Fruitland Coal		Unit	
Completion Date 4-20-93		Total Depth		Plug Back TD 2990'		Elevation 6546	
Farm or Lease Name Breech "E"				Well No. 85-R			
Csg. Size 7"	Wt. 26#	d 6.276	Set At 2990'	Perforations: From 2815' To 2868'		Unit Sec. Twp. Rge. N 4 26N 6W	
Tbg. Size 1 1/4"	Wt. 2.30	d 1.380	Set At 2953'	Perforations: From 2953' To			
Type Well - Single - Drivenhead - G.C. or G.O. Multiple Single				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% 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.	
SI							320		379	
1.							46		241	
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 O. Mc/d
1	14.1605		58	1.000	1.000	1.000	821
2.							
3.							
4.							
5.							

NO.	R _f	Temp. °R	T _f	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	

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	391	152.881	64,009	88,872	1.720	1.586
2						
3						
4						
5						

Absolute Open Flow 1,301 Mc/d @ 15.025				Angle of Slope @ _____		Slope, n .85	
Remarks _____							
Approved By Division _____ Conducted By: _____ Calculated By: _____ Checked By: _____							