

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
AUG 13 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-9-84	
Company Caulkins Oil Company		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 8-2-84		Total Depth 7435'	Plug Back TD 7435'
Elevation 6463		Farm or Lease Name Breech "D"	
Csg. Size 5 1/2"	Wt. 15.5#	d 4.892	Set At 7435'
Perforations: From 7101' To 7354'		Well No. 240-E	
Tbg. Size 1 1/2"	Wt. 2.9#	d 1.990	Set At 7334'
Perforations: From 7334' To		Unit Sec. Twp. Rge. F 15 26N 6W	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas-Gas Multiple		Packer Set At 5532'	
Producing Thru Tubing		County Rio Arriba	
Reservoir Temp. °F #		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a	
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							932		PKR		7 Days
1.							86		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		98	1.000	1.000	1.000	1.388
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _g	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 944 P _c ² 891,136		(1) $\frac{P_c^2}{R_c^2 - R_w^2} = 1.2144$		(2) $\left[\frac{P_c^2}{R_c^2 - R_w^2} \right]^n = 1.1568$	
NO.	P _i ²	P _w	R _w ²	P _i ² - R _w ²	
1	9,604	397	157,336	733,800	
2					
3					
4					
5					

Absolute Open Flow _____ 1,605 _____ Mcfd @ 15.925		Angle of Slope @ _____		Slope, n _____ 75	
Remarks:					
Approved By Division		Conducted By:		Calculated By:	
				Checked By:	