

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
MAR 27 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3-1-84	
Company Amoco Production Company		Connection Gas Company of New Mexico	
Pool Basin		Formation Dakota	
Completion Date 1-21-84	Total Depth 6573	Plug Back TD 6536	Elevation 5835 GR
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6573
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6504
Perforations: From 6358 To 6525		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F #	
Mean Annual Temp. °F		Baro. Press. - P _a	
County Rio Arriba		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.	
SI	8 days						502		542	
1.	2.375	.750					0		160	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n =$ _____
1.						
2.						
3.						
4.						
5.						

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	AOF = C $\left[\frac{P_t^2}{P_c^2 - P_w^2} \right]^n =$ _____
1.					
2.					
3.					
4.					
5.					

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: Recomplete, well would not flow after 3 hr. blow

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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