

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-102
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-18-78			
Company Amoco Production Company				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 8-11-78		Total Depth 8075		Plug Back TD 8070		Elevation 6346		Farm or Lease Name Rosa Unit	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8075	Perforations: From 7913 To 8085		Well No. 66			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 8061	Perforations: From Open To Ended		Unit L	Sec. 13	Twp. 31	Rye 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .71	% 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	7 days						2968		2968	
1.	2.375	0.750					360	60	1175	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		372	1.000	0.9193	1.047	4427
2.							
3.							
4.							
5.							

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

P _c 2980	P _c ² 8880400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1886$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1383$
NO.	P _w	P _w ²	P _w ² - P _c ²
1	1187	1408969	7471431
2			
3			
4			
5			

Absolute Open Flow 5039 Mcfd @ 15.025		Angle of Slope @ _____ Slope, n .75	
Remarks:			

Approved By Commission	Conducted By T. M. Oliver	Calculated By TMO/TLL	Checked By J. L. Krupka
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