

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

Form C-122
 Revised 9-7-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 1-28-82	
Company Amoco Production Company				Connection Not Dedicated			
Pool Basin				Formation Dakota		Unit	
Completion Date 1-6-82		Total Depth 6387		Plug Back TD 6344		Elevation 5524 GL	
Farm or Lease Name McCoy Gas Com "D"							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6387	Perforations: From 6160 To 6256		Well No. 1E	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6260	Perforations: From open To ended		Unit Sec. Twp. Rge. E 28 30N 12W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		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.	
SI	1 3 Days						1418		1678	
1.	2.375		.750				50		185	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		62	1.000	.9258	1.007	715
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.
5.					Critical Temperature	R

P _c 1690	P _c ² 2856100
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NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0138$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0103$
1		197	38809	2817291		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 722$

$\frac{P_c^2}{P_c^2 - P_w^2} = 1.0138$

Absolute Open Flow	722	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Seat Nipple Landed at 6227

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By 93
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