

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

Form C-122
 Revised 9-1-70

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-13-79	
Company Amoco Production Company				Connection		
Pool Blanco				Formation Pictured Cliff		Unit
Completion Date 2-4-79		Total Depth 2885		Plug Back TD 2833		Elevation 5815
Farm or Lease Name McEwen Gas Com "C"						Well No. 1
Csg. Size 4.50	Wt. 10.5	d 4.052	Set At 2885	Perforations: From 2616 To 2694		Unit Soc. Twp. Rge. N 5 31N 10W
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 2698	Perforations: From Open To Ended		County San Juan
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single					Packer Set At None	
Producing Thru		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico
L	H	Gg .65	% 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	9 Days						621		621	
1.	2.375	.750					189	60	330	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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		201	1.000	.9608	1.020	2436
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

$P_c = 633$ $P_c^2 = 400689$				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		342	116964	283725
2				
3				
4				
5				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4122$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3410$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3267$

Absolute Open Flow	3267	Mcf/d @ 15.025	Angle of Slope @	Slope	85
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Remarks:

Approved By Commission	Conducted By R. A. Conner	Calculated By R. A. Conner	Checked By J. L. Krupka
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