

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

Form O-122
 Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-17-79	
Company Coulkins Oil Company			Connection Gas Company of New Mexico		
Pool South Blanco			Formation Pictured Cliffs		Unit D
Completion Date 8-11-79		Total Depth 3720	Plug Back TD 6389 Gr.		Form or Lease Name Creech A
Csg. Size 4.500	Wt. 10.5#	d 4.000	Set At 3720	Perforations: From 3698 To 3694	
Plg. Size 1 1/2"	Wt. 2.3#	d 1.660	Set At 3620	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Gas Dual Commingled				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 9	Mean Annual Temp. °F 9		State New Mexico
L	H	Gg	% CO ₂	% N ₂	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							955		965		7 days
1.			3/4				65		462		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	14,1605		77	1.000	1.000	1.000	1090
2.							
3.							
4.							
5.							

NO.	R _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbbl.
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 _e 977	P _e ² 931,225			(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.32$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.23$
NO.	P ₁ ²	P _w	P _w ²	P _e ² - P _w ²	
1		474	224,676	706,549	
2.					
3.					
4.					
5.					

Absolute Open Flow 939 Mcfd @ 15.025		Angle of Slope 40
Remarks: Downhole Commingled By Order # 5648		
Pictured Cliffs 70%		939 MCF
Chacra 30%		402 MCF
Approved By Commission:	Conducted By:	Calculated By:

RECEIVED
 OCT 2 1979
 OIL & GAS COM.
 DIST. 3