

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date AUG 2 1971					
Company Flag Redfern Oil Co					Connection					
Pool Pinn - Fruitland					Formation Fruitland					
Completion Date 8-10-71			Total Depth 1715		Plug Back TD 1626		Elevation 5594 GR		Farm or Lease Name Gentle	
Csg. Size 5 1/2"	Wt. 14#	d 1715	Set At 1715	Perforations: From 1311 To 1346				Well No. 3		
Tbg. Size 1 1/4"	Wt. 2.4#	d 1360	Set At 1360	Perforations: From Open End To				Unit 8	Sec. 28N	Twp. 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - G.G.					Packer Set At			County San Juan		
Producing Thru 767		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico		
L	H	G _g .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							517		517	
1.										
2.	3/4" Pos. Gk.			126		52°			411	340
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							
2	12.365		138	1.0078	.9608	1.014	1675
3							
4							
5							

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

P _c 529	P _c ² 279,841			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		423	178,929	100,912
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.7731$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3986$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n^{.85}} = 2.3796$$

Absolute Open Flow	3986	Mcf @ 15.025	Angle of Slope @	Slope, n .85
Remarks: Very Dry throughout test				
Approved By Commission:	Conducted By: Jacobs	Calculated By: Jacobs	Checked By:	