

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
JUL 24 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-13-84	
Company Consolidated Oil & Gas, Inc.				Connection El Paso Natural Gas Co.	
Pool Basin Dakota				Formation Dakota	
Completion Date 6-29-84		Total Depth 6970'		Plug Back TD 6929	
				Elevation 5843' KB	
Farm or Lease Name Jaquez Com					
Case Size 5 1/2	Wt. 15.5#	G 4.950	Set At 6970'	Perforations From 6682 To 6798	
Well No. 2-E					
Req. Size 1 1/2	Wt. 2.9#	G 1.610	Set At 6787	Perforations From To	
Unit C	Sec. 2	Twp. 31	Range 13		
Type Well - Single - Permanent - G.O. or C.O. Multiple Single GAS				Packer Set At	
Producing Time				County San Juan	
Tbg				State New Mexico	
Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P ₀ 12.0	
G		%		Prover 6" pos. choke	
H		%		Meter Run	
D		%		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Flow Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
51	7 days						1610		1620		3 hour
1.	2" x 3/4"						62	60	523		
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 _{sc}	Rate of Flow O. field
1	11.0		74	1.000	1.240	1.000	1009
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mc/Std.
1					A.P.I. Gravity of Liquid Hydrocarbons	Sec.
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 1632	P _c ² 2663424			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1204$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0890$
NO.	P _c ²	P _w ²	P _c ² - P _w ²		
1		535	266225		
2					
3					
4					
5					

Absolute Open Flow	1009	Mcf @ 15.025	Angle of Slope θ	53.13	Slope, n	.75
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Remarks:

Approved by _____ Date _____

Checked by _____ Date _____

Store Baird _____