

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 1-30-76	
Company Burleson and Huff			Connection None		
Pool Jalmat			Formation Yates		Unit A
Completion Date 1-30-76		Total Depth 		Plug Back TD 	Elevation
Farm or Lease Name Dale Federal					
Csg. Size 4 1/2	Wt. 10.5	d 	Set At 3250	Perforations: From 3198 To 3036	
Thg. Size 2"	Wt. 4.7	d 	Set At 2997	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F 		Mean Annual Temp. °F 	
Baro. Press. - P _a 		County Lea		State New Mexico	
L 	H 	Gg .640 (Assu.)	% CO ₂ 	% N ₂ 	% H ₂ S
Prover 2"			Meter Run 		
Taps 					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover	X	Orifice	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI										
1.	2	x	1/16	397		67	412		412	
2.	2	x	3/32	372		70	397		398	
3.	2	x	1/8	335		72	372		375	
4.	2	x	3/16	226		72	335		338	
5.							226		280	

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	.06405		410.2	.9933	1.250	1.040	34
2	.1410		385.2	.9905	1.250	1.037	70
3	.2648		348.2	.9887	1.250	1.033	118
4	.6082		239.2	.9887	1.250	1.022	184
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.61	527	1.42	.925	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.57	530	1.42	.930	Specific Gravity Separator Gas _____ X X X X X X X X
3.	.52	532	1.43	.938	Specific Gravity Flowing Fluid _____ X X X X X
4.	.36	532	1.43	.957	Critical Pressure 670 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 372 R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		411.2	169.1	11.7
2		388.2	150.7	30.1
3		351.2	123.3	57.5
4		293.2	86.0	94.8
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.907}$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{.314}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.705}$

Absolute Open Flow 314 Mcfd @ 15.025	Angle of Slope 49.25	Slope, n .826
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Remarks: **No fluid made during test**

Approved By Commission: 	Conducted By: Rick Pagan & Reggie Reston	Calculated By: Reggie Reston	Checked By:
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