

NE., 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 10/11/76	
Company Burleson and Huff				Connection None			
Pool Jalmat				Formation Yates		Unit F	
Completion Date 10/5/76		Total Depth 8640		Plug Back TD 2378		Elevation	
Farm or Lease Name Saunders							
Csg. Size	Wt.	d	Set At	Perforations:			Well No.
9 5/8	40		8640	From 2215	To 2230	2	
Tbg. Size	Wt.	d	Set At	Perforations:			Unit Sec. Twp. Rge.
2 7/8	6.5		2090	From	To	F 28 25 37	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2090		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F 95 @ 2090		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
2090	2090	.651				2"	

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.		Temp. °F
SI							685				72 hrs.
1.	2 x	1/16		674		77	674				30 Min.
2.	2 x	3/16		560		74	560				45 min.
3.	2 x	1/4		512		75	512				1 hr.
4.	2 x	3/8		378		75	378				45 min.
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	.06405		687.2	.9840	1.239	1.065	57
2	.6082		573.2	.9868	1.239	1.056	450
3	1.087		525.2	.9859	1.239	1.049	732
4	2.378		391.2	.9859	1.239	1.037	1178
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry		Mcf/bbl.
1.	1.03	537	1.43	.881	A.P.I. Gravity of Liquid Hydrocarbons			Deg.
2.	.86	534	1.42	.897	Specific Gravity Separator Gas	.651	XXXXXXXXXX	
3.	.78	535	1.43	.908	Specific Gravity Flowing Fluid	XXXXXX		
4.	.58	535	1.43	.930	Critical Pressure	670	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	375	R	R

P _c 698.2 P _c ² 487.5					
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.475$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.475$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.738$
1			472.3	15.2	
2			329.1	158.4	
3			277.3	210.2	
4			157.0	330.5	

Absolute Open Flow 1,738 Mcfd @ 15.025	Angle of Slope @ 45°	Slope, n 1.000
Remarks:		

Approved By Commission:	Conducted By: Rick Pagan	Calculated By: Rick Pagan	Checked By:
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