

N MEXICO OIL CONSERVATION COMM ON
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-4-74			
Company Continental Oil Company				Connection None					
Pool Jalmat				Formation Yates				Unit 0	
Completion Date		Total Depth 3300		Plug Back TD		Elevation		Farm or Lease Name Jack A-20	
Csg. Size 5 1/2	Wt. d	Set At 2880	Perforations: From 2880 To 2300		Well No. 10				
Tbg. Size 2 3/8	Wt. d	Set At 3255	Perforations: From open To end		Unit 0		Sec. 20	Twp. 24	Rge. 37
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 3255	H 3255	Gg .660 (Assumed)	% CO ₂	% N ₂	% H ₂ S	Prover 2"	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.	Temp. °F	
SI							272		292		24
1.	2	x	.750	20		73	139		247		1 hr.
2.	2	x	.750	32		74	180		230		1 hr.
3.	2	x	.750	42		75	172		219		1 hr.
4.	2	x	.750	50		75	155		207		1 hr.
5.											

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	9.453		33.2	.9877	1.231	Nil	382
2	9.453		45.2	.9868	1.231	Nil	519
3	9.453		55.2	.9859	1.231	Nil	633
4	9.453		63.2	.9859	1.231	Nil	725
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.05	533	1.41	Nil			.660 (Assumed)	XXXXXX	670	378
2.	.07	534	1.41	Nil						
3.	.08	535	1.42	Nil						
4.	.09	535	1.42	Nil						
5.										

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	305.2	260.2	67.70	2.086	2.086
2	93.15	243.2	59.15		
3		232.3	53.92		
4		220.2	48.49		
5					

Absolute Open Flow 1.512 Mcfd @ 15.025		Angle of Slope 45 °	Slope, n 1.000
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Remarks: 1.8 Bbls. of water made during test. Resulting slope was flat, a slope of 1.000 was taken through the high rate of flow.

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