

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

RECEIVED

dsf
File

Form C-122
Revised 9-1-51

FEB 17 1983

O. C. D.

ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2/4/83	
Company READ & STEVENS ✓				Connection Air	
Pool Undersignated				Formation Atoka	
Completion Date 1/14/83		Total Depth 12,740		Plug Back TD 12651	
				Elevation 3087 Gr	
Csg. Size 5 1/2		Wt. 23		Perforations From 11,550 To 11,848	
Trg. Size 2 7/8		Wt. 6.7		Perforations From Open To Ended	
Type Well - Single - Bronthead - G.G. or G.O. Multiple Single				Packer Set At 11,384	
Producing Thru Tubing		Reservoir Temp. °F 180 @ 11,700		Mean Annual Temp. °F 60	
				Baro. Press. - P _a 13.2	
L		H		G _g .618	
				% CO ₂ 4.6	
				% N ₂ 0	
				% H ₂ S 0	
				Prover Meter Run 4.062	
				State New Mexico	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							4425		Packer		
1.	4.062	1.25	450	9	91	4085					1 hr
2.	4.062	1.25	470	20	80	3521					"
3.	4.062	1.25	480	34	74	2482					"
4.	4.062	1.25	490	36	82	1225					"
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	7.93	64.57	463.2	.9715	1.272	1.0331	654
2	7.93	125.16	483.2	.9913	1.272	1.0375	1004
3	7.93	129.49	493.2	.9868	1.272	1.0388	1340
4	7.93	133.25	493.2	.9795	1.272	1.0375	1365
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____	Met/Lol. _____
1					A.P.L. Gravity of Liquid Hydrocarbons _____	Deg. _____
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 _____ 671.6 _____ P.S.I.A.	P.S.I.A. _____
5.					Critical Temperature _____ 363 _____ R	R _____ H _____

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.738$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.471$
1		5247.2	27533	4063		
2		4612.2	21272	10323		
3		3658.2	13382	18213		
4		2469.2	25499	25499		
5						

Absolute Open Flow 1971 Mcfd @ 14.625 Angle of Slope 65 Slope .7

Remarks: Bottom hole pressures recorded with Amerada type gauge

Approved By: _____ Conducted By: _____ Checked By: _____

Post ID-2
2-18-83
Lump & BK