

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 6/13/79	
Company Conoco, Inc.			Connection None		
Pool Jalmat			Formation Seven Rivers		Unit B
Completion Date 7/17/53		Total Depth 3400	Plug Back TD 3320	Elevation 3098 RB	Farm or Lease Name Sholes B-19
Csg. Size 5 1/2	Wt. 15.5 & 14	d 4.950	Set At 3399	Perforations: From 3144 To 3318	Well No. 3
Tbg. Size 2 3/8	Wt. 4.6	d 1.995	Set At 3320	Perforations: From open To ended	Unit Sec. Twp. Rge. B 19 25S 37E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	County Lea
Producing Thru Casing		Reservoir Temp. °F 80 @	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2	State New Mexico
L 3320	H 3320	Gg .662	% CO ₂ 2.43	% N ₂ 1.43	% H ₂ S .26
Prover		Meter Run 2"		Taps Flange	

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.	
SI							55		174	
1.	2	x	.250	37	9.0	102	55		164	
2.	2	x	.250	38	30.0	104	53		154	
3.	2	x	.250	38	53.0	104	50		144	
4.	2	x	.250	38	79.0	109	50		134	
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	.2991	21.25	50.2	.9719	1.229	Nil	7.5
2	.2991	39.19	51.2	.9602	1.229	Nil	13.8
3	.2991	52.09	51.2	.9602	1.229	Nil	18.4
4	.2991	63.60	51.2	.9560	1.229	Nil	22.3
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio <u>Dry</u> Mcf/bbl.
1.	.07	562	1.49	Nil	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.08	564	1.49	Nil	Specific Gravity Separator Gas <u>.662</u> X X X X X X X X
3.	.08	564	1.49	Nil	Specific Gravity Flowing Fluid X X X X X
4.	.08	569	1.51	Nil	Critical Pressure <u>670</u> P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature <u>378</u> R _____ R

P _c <u>187.2</u>	P _c ² <u>35.04</u>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.621}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.094}$
NO	P _w	P _w ²	P _w ² - P _w ²
1	177.2	31.40	3.64
2	167.2	28.96	7.08
3	157.2	24.71	10.33
4	147.2	21.67	13.37
5			

Absolute Open Flow <u>47</u> Mcfd @ 15.025		Angle of Slope <u>52.5°</u>	Slope, n <u>.767</u>
Remarks: _____			
Approved By Commission:		Conducted By: Rick Pagan	Calculated By: Rick Pagan
Checked By:			