

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 5-27-80		RECEIVED U.S. GEOLOGICAL SURVEY NEW MEXICO		
Company BILLY J. KNOTT			Connection						
Pool WAW Fruitland - PC			Formation Fruitland			Unit U.S. GEOLOGICAL SURVEY FORM OF LEASE NAME JK			
Completion Date 5-27-80		Total Depth 1350'		Plug Back TD 1302'		Elevation 5885 GL		Well No. 1	
Csg. Size 2 7/8"	Wt. 6.5#	d	Set At 1332'	Perforations: From 922 To 940		Unit Sec. Twp. Rge. F 30 27N 12W			
Thq. Size 1 1/2"	Wt. 2.9#	d	Set At 930'	Perforations: From To					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Gas					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover X	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	2" x 0.250"						213				ACCEPTED FOR RECORD JUL 8 1980
1.							54	60			
2.											
3.											
4.											

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	1.087		66	1.000	1.240		89
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. 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 _____ P.S.I.A.	P.S.I.A.
5.					Critical Temperature _____ R	R

P _c 225	P _c ² 50625		
NO	P _t ²	P _w	P _w ²
1		66	4356
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0941$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0794$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 96$$

Absolute Open Flow	96		Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.85
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Remarks:

Approved By Commission:	Conducted By: Delta Oilfield Ser.	Calculated By: A.B.Geren, Jr.	Checked By:
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