

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 ☐ Annual		Test Date 1/10/84	
Company DAMSON OIL COMPANY		Connection	
Pool Bloomfield Chacra		Formation Chacra	
Completion Date 12/26/83		Total Depth 3200'	Plug Back To 3140'
		Elevation 5796'GL	Form or Lease Name Day "J"
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3200'
		Perforations: From 2955' To 3059'	Well No. 5
Thg. Size 1.660	Wt. 2.90	d 1.380	Set At 2934'
		Perforations: From Open Ended to	Unit I
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tubing	Reservoir Temp. °F a	Mean Annual Temp. °F 60	Baro. Press. - P _a 12.0
State New Mexico			
L 2934	H 2934	Gg	% CO ₂
		% N ₂	% H ₂ S
		Prover	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							925		925		12 days
1.	3/4"						185		510		3 hrs.
2.											
3.											
4.											
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	12.3650		197	1.0000	1.0000	1.0000	2436
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 937	P _c ² 877,969	
NO.	P _t ²	P _w
1		522
2		
3		
4		
5		

$\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.4500}{1.4500 - 0.272} = 1.3714$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3341$	

Absolute Open Flow	3341	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.85
--------------------	------	----------------	------------------	----------	------

Remarks:			
Approved By Commission:	Conducted By: Bill Matthews	Calculated By: Ewell N. Walsh	Checked By: