NMOCC

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-65

Type Test: ☐ Initial ☐ Annual ☐ Special			Test Date: 6-17-77	
Company: Northwest Pipeline Corp.		Connection: New Completion		
Pool: Blanco		Formation: MV		Unit: San Juan 29-5 Unit
Completion Date: 6-6-77	Total Depth: 6038	Plug Back TD: 6000	Elevation: 6732 GR	Farm or Lease Name: San Juan 29-5
OD: 7.000 / 4.500	Wt: 20.0 / 10.5	d: 6.456 / 4.052	Set At: 4038 / 3919 - 6033	Perforations: From 5582 To 5977
Well No.: 17A				
Tbg. Size: 2.375	Wt: 4.7	d: 1.995	Set At: 5970	Perforations: From To
Unit: P	Sec.: 5	Twp.: 29	Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single		Packer Set At: none	County: Rio Arriba	
Producing Thru: tubing	Reservoir Temp. °F: a	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	G_g	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
.		.595				orifice meter	4"	flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					640		697		SIP
1.	4 x 2.750	92	8.4	65	202		469		3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	3.2	8.4	.995	1.296	1.017	4,583
2							
3							
4							
5							

NO.	P_t	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 709 P_c^2 502681

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		481	231361	271320
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8527$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.5880$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7277$

JUN 23 1977
OIL CON. COM.
DIST. 3

Absolute Open Flow 7277 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Variable choke set at 48/64.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred Hamrick	B.J. Broughton js	