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LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
OPERATOR			
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator
W. M. Gallaway

Address
3005 Northridge Dr., Ste. I, Farmington, N. M. 87401

Reason(s) for filing *(Check proper box)*
New Well ☐
Recompletion ☐
Change in Ownership ☐
Change in Transporter of:
Oil ☒
Casinghead Gas ☐
Dry Gas ☐
Condensate ☐
Other *(Please explain)*

MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
JAN 05 1984
OIL CON. DIV.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 1-3-81	
Company: W. M. Gallaway		Connection: Northwest Pipeline Corp.			Unit:
Pool: Blanco		Formation: Mesa Verde			
Completion Date: 12-23-80	Total Depth: 6118	Plug Back TD: 6071	Elevation: 7142' GL	Farm or Lease Name: Trix	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6089		Perforations: From 5875 To 5968		Well No.: #1	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5921		Perforations: From To		Unit: B / Sec.: 5 / Twp.: 26 / Rge.: 2	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:		County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L:	H:	Gg: 0.670	% CO_2:	% N_2:	% H_2S:
Prover: 2"	Meter Run:	Taps:			

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1726		1726		11 Days
1.	2" X 0.750	66		59			489		3 Hours
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.49		78	1.001	0.9463	1.009	931
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1738 P_c^2 3020644

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		501	251001	2769643
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0906$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0672$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 994$

Absolute Open Flow 994 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
			W. M. Gallaway