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

Form C-122
Revised 12-1-55

Pool: Undesignated	Formation: [illegible] Hill	County: San Juan	
Initial: X	Annual:	Special:	Date of Test: 5-15-67
Company: Thomas A. Dugan	Lease: Shipreck	Well No.: 8	
Unit: I	Sec.: 14	Twp.: 30N	Range: 18W
Casing: 2 7/8	Wt.: 5.9	I.D.:	Set at: 395
Tubing: None	Wt.:	I.D.:	Set at:
Gas Pay: From 389	To: 395	L:	G: 0.610
Producing Through: Casing X	Tubing:		Type Well – Single – Bradenhead – G.G. or G.O. Dual: Single - Gas
Date of Completion: 4-21-67	Packer:		Reservoir Temp.:

OBSERVED DATA

Tested Through: Prover ☒ Choke ☐ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
S.								164		
1.	2"	[illegible]	152							
2.	[illegible]	[illegible]	150							
3.	[illegible]	[illegible]	151							
4.	2"	[illegible]	107							
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P D @ 15.025 psia
1.	1.3917		176	[illegible]	[illegible]	1.015	600
2.	1.4030		171	[illegible]	[illegible]	[illegible]	[illegible]
3.	5.7283		152	[illegible]	[illegible]	1.012	[illegible]
4.	12.2223		121	[illegible]	[illegible]	1.010	1172
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ $(1-e^{-S})$ _____

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 176 P_c^2 31,000

No.	P_w P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.						[illegible]	760		
2.						29,230	1770		
3.						23,100	7900		
4.						14,330	16,730		
5.									

ABSOLUTE POTENTIAL: 2600 MCFPD; n 0.83970

COMPANY Thomas A. Dugan WITNESSED _____

ADDRESS Box 234, Farmington, N.M. COMPANY _____

AGENT AND TITLE Thomas A. Dugan, Engineer

RECEIVED
MAY 17 1967
OIL CON. COM.
DIST. 3

MULTI-POINT BACK PRESSURE TEST

Thomas A. Dugan - Shiprock #8
2310' fsl 660' fel Sec. 14
T30N, R18W San Juan County, New Mexico