

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

Form C-122
Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial I		Annual		Special	
Date of Test 1-2-66		Company Tenneco Oil Co.		Lease Johnson	
Well No. #1		Unit P		Sec. 17	
Twp. 28N		Range 9W		Purchaser	
Casing 4 1/2		Wt.		I.D.	
Set at 7123		Perf. 7013		To 7078	
Tubing 2 3/8		Wt.		I.D.	
Set at 7000		Perf.		To	
Gas Day		From		To	
L		G .650		GL	
Bar. Press. 12.0		Casing		Tubing X	
Type Well - Single - Braden head - G.G. or G.O. Dual Single		Inclination Through		Date of Completion	
Packer		Reservoir Temp. 175			

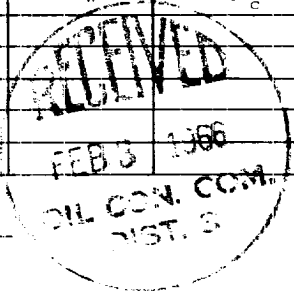
OBSERVED DATA										
Type of Taps								Type of Taps		
Prover ☐ Choke ☒ Meter ☐										
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW	
(Prover) (Flow) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	OF FLOW HR.	
	3/4				1720		1722			
					458	60	1068		3 Hr.	

FLOW CALCULATIONS								Rate of Flow Q - MCF PD @ 15.025 psia	
Coefficient (24 Hour)	$\sqrt{\frac{h_w}{p_f}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}				
12.3650		470	1.000	.9608	1.050			5861	

PRESSURE CALCULATIONS	
Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.	Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg.	Specific Gravity Flowing Fluid _____
P _c _____ (1-e ^{-S}) _____	P _c 1734 P _c 3006756

No.	$\frac{P_w}{P_t}$ 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.	1080					1166400	1840356		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 8468	MCFPD: n .75	1.4448
COMPANY TENNECO OIL COMPANY	WITNESSED _____	
ADDRESS P. O. Box 1714 - Durango, Colorado	COMPANY _____	
AGENT AND TITLE J. E. Massey	District Production Engineer	



Company TENNECO OIL COMPANY Lease JOHNSON Well No. A-1
 Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
 Formation DAKOTA Test Date JANUARY 2, 1966

