

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

Form C-122

Revised 12-1-55

Pool BASIN			Formation DAKOTA			County SAN JUAN				
Initial XX		Annual		Special		Date of Test NOVEMBER 30, 1966				
Company SOUTHERN UNION PRODUCTION COMPANY				Lease ALBRIGHT			Well No. 8			
Unit L	Sec. 15	Twp. 29 N	Range 10 W		Purchaser EL PASO NATURAL GAS COMPANY					
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 6825		Perf. 6554	To 6720				
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 6647		Perf. 6639	To 6647				
Gas Pay:	From 6554	To 6720	L 6629	G .700	GL 4640	Bar. Press. 12				
Producing Through:		Casing	Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE - GAS					
Date of Completion NOVEMBER 20, 1966		Packer			Reservoir Temp.					
OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	2"	3/4"				1,918		1,974		7 DAYS
2.						1,177	70	299		3 Hours
3.										
4.										
5.										
FLOW CALCULATIONS										
No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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.	12.3650		311	.9905	.9258	1.033	3,643			
2.										
3.										
4.										
5.										
PRESSURE CALCULATIONS										
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____					
F _c _____					P _c 1,986		P _c ² 3,944,196			
No.	$\frac{P_w}{P_t}$ psia	$\frac{P_w^2}{P_t^2}$	F _c	(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.	1,189					1,413,721	2,530,475			
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: 5,082 MCFPD: n .75

COMPANY SOUTHERN UNION PRODUCTION COMPANY WITNESSED HERMAN McANALLY

ADDRESS P.O.Box 808, FARMINGTON, N.MEX. 87401 COMPANY EL PASO NATURAL GAS COMPANY

AGENT AND TITLE KENNETH E. RODDY, PRODUCTION TECHNICIAN
Original signed by
Kenneth E. Roddy