NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

AUG
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8/15/69	
Company: SOUTHERN UNION PRODUCTION CO.	Connection: EL PASO NATURAL GAS COMPANY			
Pool: OTERO	Formation: GALLUP			Unit:
Completion Date: 7/23/69	Total Depth: 7085	Plug Back TD: 6985	Elevation: 6646	Farm or Lease Name: JICARILLA "L"
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 7084		Perforations: From 5900 To 6130		Well No.: 3
Tbg. Size: 2.0625 / Wt.: 3.25 / d: 1.750 / Set At: 6144		Perforations: From 6107 To 6111		Unit: E / Sec.: 3 / Twp.: 24N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL - GAS - OIL		Packer Set At: 6750		County: RIO ARRIBA
Producing Thru: TUBING	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6095		.700						

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				627		978		14 DAYS
1.						35	56°	283		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	12.3650		47	1.0039	0.9258	1.0000	540
2.							
3.							
4.							
5.							

NO.	P_r	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 990 P_c^2 980,100

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		295	87,025	893,075
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0974$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0722$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 579$

Absolute Open Flow 579 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	KENNETH E. RODDY	KENNETH E. RODDY	KENNETH E. RODDY