NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
OCT 21 1969
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10/17/69	
Company: SOUTHERN UNION PRODUCTION CO.			Connection: SOUTHERN UNION GAS COMPANY		
Pool: BASIN			Formation: DAKOTA		Unit
Completion Date: 9/29/69	Total Depth: 7705		Plug Back TD: 7675	Elevation: 6830 RKB	Farm or Lease Name: JICARILLA "K"
Csg. Size: 5.500 / Wt.: 15.50 / d: 4.950 / Set At: 7704			Perforations: From 7414 To 7610		Well No.: 10
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610 / Set At: 7507			Perforations: From 7499 To 7507		Unit: D / Sec.: 1 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL GAS-GAS			Packer Set At: 7301		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
7487		.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"				2318				7 DAYS
1.						343	58°			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		355	1.0019	0.9258	1.045	4,255
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2330 P_c^2 5,428,900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	126,025		1,680,967	3,747,933
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4485$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3203$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5,618$

Absolute Open Flow 5,618 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