NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10/5/70	
Company: SOUTHERN UNION PRODUCTION CO.			Connection: EL PASO NATURAL GAS COMPANY		
Pool: BASIN			Formation: DAKOTA		Unit
Completion Date: 9/22/70	Total Depth: 6925		Plug Back TD: 6897	Elevation: 6577	Farm or Lease Name: JICARILLA "L"
Csg. Size: 5.500 / Wt.: 15.50	d: 4.950	Set At: 6924	Perforations: From 6804 To 6880		Well No.: 4
Tbg. Size: 2.0625 / Wt.: 3.25	d: 1.750	Set At: 6831	Perforations: From 6823 To 6831		Unit: G Sec.: 9 Twp.: 24N Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL GAS-OIL			Packer Set At: 6595		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
6813		0.700						

	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"				1864				8 DAYS
1.						252	62°			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		264	0.9981	0.9258	1.031	3110
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

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OCT 5 1970
OIL CON. COM.
DIST. 3

P_c 1876 P_c^2 3,519,376

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1			566,394	2,952,982
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1918$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1406$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,547$

Absolute Open Flow 3,547 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
OCT 5 1970	KENNETH E. RODDY	KENNETH E. RODDY	KENNETH E. RODDY