NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 12/27/66	
Company: SOUTHERN UNION PRODUCTION CO.		Connection: EL PASO NATURAL GAS COMPANY			
Pool: BASIN		Formation: DAKOTA		Unit:	
Completion Date: 12/16/66	Total Depth: 6775	Plug Back TD: 6741	Elevation: 6358	Farm or Lease Name: NEWSOM	
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 6775		Perforations: From 6488 To 6726		Well No.: 17	
Tbg. Size: 1.900 / Wt.: 2.90 / d: 1.610 / Set At: 6607		Perforations: From 6598 To 6604		Unit: H / Sec.: 20 / Twp.: 26 N / Rge.: 8 W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE - GAS		Packer Set At:		County: SAN JUAN	
Producing Thru: TUBING	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: NEW MEXICO	
L: 6588	H:	Gg: .700	% CO_2:	% N_2:	% H_2S: / Prover: / Meter Run: / Taps:

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2"		3/4"				2293		2288		8 DAYS
1.							576	65	1844		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		588	.9952	.9258	1.070	7,168
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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OIL CON. COM.
DIST. 3

P_c 2,305 P_c^2 5,313,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1,856	3444,736	1868,289
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2,8438$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.1898$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 15,696$

Absolute Open Flow 15,696 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Original signed by

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