

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

AUG 9 1984

OIL CONSERVATION DIVISION

BDCDGU

Farm or Lease Name

Well No.
2035 321F

Unit Sec. Twp. Rge.
F 32 20N 35E

County
Union

State
New Mexico

Meter Run Taps
4.0 Flange

FLOW DATA

TUBING DATA

CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	4.026						332.4	50			1000 hr
1.	4.026 x 2.5			287	1	67	291	50			1.5
2.	4.026 x 2.5			245	11	62	249	50			1.5
3.	4.026 x 2.5			199	27	61	204	50			1.5
4.	4.026 x 2.5			172	37	60	177	50			1.5
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q , Mcfd
1							552
2							1510
3							2087
4							2263
5							

NO.	P_c	Temp. °R	T_c	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	344.7				0	
2.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
3.					Specific Gravity Separator Gas	1.529
4.					Specific Gravity Flowing Fluid	XXXXXX
5.					Critical Pressure	1072 P.S.I.A.
					Critical Temperature	496 R

NO.	P_c	P_w	P_w^2	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	344.7	303.3	92000	26.8	1.432	1.340
2		261.3	68277	50.5		
3		216.3	46786	72.0		
4		189.3	35834	83.0		
5						

AOF = $Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3032$

Absolute Open Flow 3032 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .815

Remarks: _____

Ray Johnson

Conducted By: _____ Calculated By: Don White _____ Checked By: _____