NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

(CORRECTED COPY)

RECEIVED
JUL 16 1985
OIL CON. DIV.
DIST. 3

Type Test: ☒ Initial ☐ Annual ☒ Special				Test Date: 6-27-85	
Company: El Paso Natural Gas		Connection:			
Pool: Blanco		Formation: Mesa Verde		Unit:	
Completion Date: 6-27-85	Total Depth: 5970	Plug Back TD: 5952	Elevation: 6706 GR	Farm or Lease Name: Hardie A	
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 3704		Perforations: From *5030 To 5937		Well No.: #2A	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5920		Perforations: From To		Unit: C / Sec.: 24 / Twp.: 29 / Rge.: 08	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G Dual		Packer Set At: 3546		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L:	H:	Gg: .690	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

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						453				7 Days
1.		.750	155		64	155				3 Hrs.
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	12.365		167	.9962	.9325	1.019	1955
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 465 P_c^2 216225

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		339	114921	101304
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{216225}{101304}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .7659$

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3452$

Absolute Open Flow 3452 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: *4.500" Liner 3585' - 5969'. Gas vented during test = 240 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Norman Waggoner	Ed Mabe	kld