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: 9-13-85	
Company: El Paso Natural Gas		Connection:			
Pool: Basin		Formation: Dakota		Unit:	
Completion Date: 9-13-85	Total Depth: 7730	Plug Back TD: 7715	Elevation: 6707 GR	Farm or Lease Name: S.J. 28-7 Unit	
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: ~~7729~~ 7720		Perforations: From 7481 To 7706		Well No.: #252 E	
Tbg. Size: 1.900 / Wt.: 2.9 / d: 1.610 / Set At: 7671		Perforations: From To		Unit: N / Sec.: 32 / Twp.: 28 / Rge.: 07	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico	
L	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						2125		2096		7 Days
1.		.750	162		59	162		1141		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		174	1.0010	.9258	1.023	2040
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 2108 P_c^2 4443664

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		1153	1329409	3114255
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4443664}{3114255}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3055$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2663

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OIL CON. DIV.
DIST. 3

Absolute Open Flow 2663 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Gas vented during test - 307 MCF.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Ernest Minert	Cliff Brock	kld