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: 9-12-85	
Company: El Paso Natural Gas		Connection:			
Pool: Blanco		Formation: Mesa Verde		Unit:	
Completion Date: 9-12-85	Total Depth: 5855	Plug Back TD: 5812	Elevation: 6754 GR	Farm or Lease Name: Howell	
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 5854		Perforations: From *4818 To 5773		Well No.: #1A	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5742		Perforations: From To		Unit: E / Sec.: 35 / Twp.: 28 / Rge.: 08	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: a	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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							771		878		7 Days
1.			.750	212		59	212		722		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		224	1.0010	.9325	1.025	2650
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 890 P_c^2 792100

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		734	538756	253344
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{792100}{253344}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.3513$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6231$

RECEIVED
SEP 18 1985
OIL CON. DIV.
DIST. 3

Absolute Open Flow 6231 Mcfd @ 15.025 Angle of Slope ⇔ Slope, n .75

Remarks:
*4.500 liner from 3273 to 5854.
Light mist during test. Gas vented during test 362 MCF.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Glen Spencer	Cliff Brock	kld