NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

(CORRECTED COPY)

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-16-85	
Company: El Paso Natural Gas			Connection:		
Pool: Basin		Formation: Dakota			Unit:
Completion Date: 8-16-85	Total Depth: 6981		Plug Back TD: 6965	Elevation: 6664 GR	Farm or Lease Name: Huerfano U.
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6981			Perforations: From 6776 To 6888		Well No.: #185E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6868			Perforations: From To		Unit: A / Sec.: 12 / Twp.: 26 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
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

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							1367		1664		7 Days
1.			.750	176		82	176		526		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		188	.9795	.9258	1.020	2150
2							
3							
4							
5							

NO.	P_t	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

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OIL CON. DIV.
DIST. 3

P_c 1676 P_c^2 2808976

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		538	289444	251953 2
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2808976}{2519532}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0850$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2333$

Absolute Open Flow 2333 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Produced light to med. spray of oil throughtout test. Gas vented during test=354 MCF.

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Joe Gillentine	Ed Mabe	kld