

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

Form C-122
Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☐ Special					Test Date 5-17-85				
Company El Paso Natural Gas					Connection				
Pool Basin					Formation Dakota				
Completion Date 5-17-85			Total Depth 6660		Plug Back TD 6633		Elevation 5587 GR		Farm or Lease Name Montgomery
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6653	Perforations: From 6417 To 6603			Well No. 2		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6592	Perforations: From To			Unit Sec. Twp. Rge. A 17 30 11		
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 ₂ S	Prover	Meter Run	Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI							766		1805		7 Days
1.			.750	182		86	182		561		3 Hours
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		194	.9759	.9258	1.020	2211
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 1817	P _c ² 3301489	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3301489}{2973160}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0817$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		573	328329	2973160
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2392$

Absolute Open Flow 2392 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n _____

Remarks: Gas vented during test 455 MCF
Heavy spary of oil first 3 minutes-light spray of water and oil throughout test

Approved By Commission:	Conducted By: Bob Haire Ron Headrick	Calculated By: Ed Mabe	Checked By: kld
-------------------------	---	------------------------	-----------------