STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

cp
File

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED BY
JUL 15 1987
O. C. D.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5/5/87	
Company: McClellan Oil Corp. ✓		Connection: Air			Unit
Pool: Pecos Slope Abo		Formation: Abo			
Completion Date: 5/1/87	Total Depth: 4350'	Plug Back TD: 4350'		Elevation: 3590' G.L.	Farm or Lease Name: MM Fed.
Csg. Size: 4½" / Wt.: 9.5 / d: / Set At: 4350'		Perforations: From 4080 To 4092			Well No.: 6
Tbg. Size: 2-3/8" / Wt.: 4.7 / d: / Set At: 4086'		Perforations: From To			Unit: I / Sec.: 26 / Twp.: 9 / Rge.: 25
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None			County: Chaves
Producing Thru: Tubing	Reservoir Temp. °F: 100 @ 4300	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 15.025		State: NM

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.649	.08	7.44	-	2"	—	—

	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					-		996.6	64	996.6	64	[illegible]
1.	2	X	.3750		-		188.9	68	247.6	68	78.25
2.	1	X	.3750		-		178.5	68	239.6	68	79.25
3.	2	X	.3750		-		177.3	68	237.4	68	80.25
4.	2	X	.3750		-		174.7	62	225.4	62	94.50
5.	2	X	.3750		-		178.9	68	229.7	68	99.75

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	2.378	-		.9924	1.241	1.016	606.8
2.	2.378	-		.9924	1.241	1.015	575.3
3.	2.378	-		.9924	1.241	1.015	571.7
4.	2.378	-		.9981	1.241	1.015	567.2
5.	2.378	-		.9924	1.241	1.015	576.5

NO.	P_r	Temp. °R	T_r	Z
1.	.3099	352	1.5	.968
2.	.2941	352	1.5	.970
3.	.2923	352	1.5	.970
4.	.2883	352	1.483	.970
5.	.2950	352	1.50	.970

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 _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1011	1023	954
2		203	41	958
3		193	37	959
4		189	36	965
5		193	36	963

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.07$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.07$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 600$

Absolute Open Flow 600 Mcfd @ 15.025 Angle of Slope θ 45 Slope n = 1

Remarks: _____

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JUL 17 1987
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Approved By Division	Conducted By:	Calculated By:	Checked By:
	Enron	J. Rowe	

JACK PRESSURE CURVE

Operator McClellan Oil Corp. Lease M and M Federal Well No. #6

County Chaves Field South Pecos Slope Location 26-9-25

Date of Test 5-5-87 Slope "n" 0.700 W.H. 0.700 Abs.

Calc. W.H. Potential 6006 MCF/D Calc. Abs. Potential 574 MCF/D