NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 4-7-79	
Company: Great Western Drilling Co.	Connection:			
Pool: Blanco Mesaverde	Formation: Mesaverde		Unit:	
Completion Date: 3-16-79	Total Depth: 5970	Plug Back TD: 5887'	Elevation: 6589 KB	Farm or Lease Name: J. E. DECKER
Csg. Size: * 7" / Wt.: 20# / d: / Set At: 3302		Perforations: From 4758 To 5805		Well No.: 3-A
Tbg. Size: 1½" / Wt.: 1.90 / d: / Set At: 5765		Perforations: From To		Unit: L / Sec.: 8 / Twp.: 32N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.650				X		

	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	7 days				965		965		
1.	2" X 3/4"				221	60	911		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	9.453		233	1.000	1.240	1.023	2,794
2.							
3.							
4.							
5.							

NO.	P_t	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 977 P_c^2 954529

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		923	851929	102600
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.3034$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5.3270$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 14,884$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 14,884 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: * 7" with 4½" liner 3084-5968'

Approved By Commission:	Conducted By:	Calculated By: D. E. Baxter	Checked By: