

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

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C-122
Form C-122
Revised 9-1-65
State
Jord.

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JUN 28 1974

Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date: 6-19-74	
Company: Hanagan Petroleum Corp.		Connection: None	
Pool: Undesignated		Formation: Wolfcamp	
Completion Date: 6/24/74		Total Depth: 11158	
Casing Size: 5 1/2		Perforations: From 8948 To 8968	
Tag. Size: 2 7/8		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packor Set At: Top 8779 - Bot. 10796	
Producing Thru Tubing		Baro. Press. - P _a : 13.2	
Reservoir Temp. *F: 153 @ 8700		Mean Annual Temp. *F: 70	
L: 8958		H: 8958	
G _g : 0.700		Prover: X	
County: Eddy		State: New Mexico	
Unit: F 21		Twp.: 21	
R _{1/2} : 26E		Taps: X	

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	
1.	6"	X	2"	330	4	68	2659	68			45 min.
2.	6"	X	2"	405	11.5	75	2611	75			45 min.
3.	6"	X	2"	610	35	80	2470	80			45 min.
4.	6"	X	2"	1010	73	94	2080	94			45 min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	19.16	37.05	343.2	0.9924	1.195	1.041	876.4
2.	19.16	69.35	418.2	0.9859	1.195	1.046	1637.5
3.	19.16	147.69	623.2	0.9813	1.195	1.069	3547.3
4.	19.16	273.30	1023.2	0.9688	1.195	1.109	6723.0
5.							

NO. 1.	P _f	Temp. *R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
2.	Used simplified supercompressibility tables				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
3.					Specific Gravity Separator Gas 0.700
4.					Specific Gravity Flowing Fluid X X X X X
5.					Critical Pressure 668 P.S.I.A.
					Critical Temperature 392 R

NO. 1.	P _f ²	P _s	P _s ²	P _f ² - P _s ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
2.		4010.2	16082	177		
3.		3968.2	15747	512		
4.		3809.2	14510	1749		
5.		3422.2	11711	4548		

Absolute Open Flow: 15,500 Mcfd @ 15.025		Angle of Slope @: 57° 9'	Slope, n: 0.64573
Remarks: BHP measured with Amerada RPG-3 gauge 9383N 0-6050psi			

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: F. Tefteller	Checked By:
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Posted
7-5-74
B. J. ...