NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 10-1-65

RECEIVED
JUL 26 1983
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-7-83	
Company: Jack A. Cole	Connection: None			
Pool: Basin Dakota	Formation: Dakota			Unit:
Completion Date: 6-14-83	Total Depth: 5988'	Plug Back TD: 5970'	Elevation: 5948 GL	Farm or Lease Name: Hugh Wash Federal
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.052 / Set At: 5988'		Perforations: From 5868' To 5944'		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.990 / Set At: 5902'		Perforations: From Open To Ended		Unit: J / Sec.: 23 / Twp.: 27N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At: ---		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: e	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5902'	5902'							

	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						1700	60°	1750		7 days
1.						150		750		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	2" Orfice	Well Tester	162	1.000	1.000	1.000	442
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 1762 P_c^2 3,104,644

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		762	580644	2524000
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.230$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.168$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 516$

Absolute Open Flow 516 Mcfd @ 15.025

Angle of Slope θ _____

Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dewayne Blancett	Dewayne Blancett	