NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAY 27 1982
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5/25/82	
Company: JACK A. COLE			Connection: None		
Pool: Ballard Pictured Cliffs			Formation: Pictured Cliffs		Unit:
Completion Date: 5/8/82	Total Depth: 3000'		Plug Back TD: 2965'	Elevation: 7396'GL	Farm or Lease Name: Indian Bend "A"
Csg. Size: 4.500 / Wt.: 10.50 / d: 4.000 / Set At: 2983'			Perforations: From 2886' To 2911'		Well No.: 2
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 2894'			Perforations: From Open To Ended		Unit: G / Sec.: 5 / Twp.: 22N / Rge.: 2W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At:		County: Sandoval
Producing Thru: Tubing	Reservoir Temp. °F: 100@ 3000	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
2.894	2894							

	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					720		720		7 days
1.	3/4" THC				160		610		3 hr.
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	12.3650		172	1.0000	1.0000	1.0000	2127
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 732 P_c^2 535,824

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		622	386,884	148,940
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5975$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.9689$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6,315$

Absolute Open Flow 6,315 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jerold Brooks	E. N. Walsh	