NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
APR 4 1969
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 4-1-69	
Company: ~~Keeton Development~~ H. K. Keese	Connection			
Pool: Ballard	Formation: Pictured Cliff		Unit	
Completion Date: 2-21-69	Total Depth: 3030	Plug Back TD: 2985	Elevation: 7260 GR	Farm or Lease Name: Apache
Csg. Size: 4½ / Wt.: 9.5 / d: 4.090 / Set At: 3016	Perforations: From 2937 To 2965			Well No.: 1
Tbg. Size: 1.25 / Wt.: 2.40 / d: 1.380 / Set At: 2933	Perforations: From Open end To			Unit: A / Sec.: 19 / Twp.: 23N / Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas	Packer Set At: None			County: Sandoval
Producing Thru: Casg	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico
L / H	Gg: .650 Est	% CO_2	% N_2 / % H_2S	Prover: 3/4" TC Choke / Meter Run / Taps

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					690		690		8 days
1.	3/4" TC Choke	31			152		31		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	12.3560		43	1.0029	.9608	--	512
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	17			
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 702 P_c^2 492,804

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		164	26,896	465,908
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.051$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.043$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 534$

Absolute Open Flow 534 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	David L. Collis	David L. Collis	