NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 1-1-65

RECEIVED
JUL 26 1968
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date	
Company: H. K. Keesee			Connection: Waiting on Pipeline		
Pool: Ballard Pictured Cliffs			Formation: Pictured Cliffs		Unit
Completion Date: July 9, 1968	Total Depth: 2899		Plug Back TD: 2857	Elevation: 7201 (K.B.)	Farm or Lease Name: Cinco Diablos
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090	Set At: 2899		Perforations: From 2833 To 2843		Well No.: 11
Tbg. Size: 1.250 / Wt.: 2.40 / d: 1.380	Set At: 2834		Perforations: From Open To Ended		Unit: P / Sec.: 19 / Twp.: 23N / Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Sandoval
Producing Thru: Tubing	Reservoir Temp. °F: @ --	Mean Annual Temp. °F: --	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2834	2834	Est. 0.65	--	--	--	--	--	--

	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					679		678		SI 7da
1.	0.750 TC				80	59	535	--	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	12.3650		92	1.0010	0.9608	1.010	1,105
2.							
3.							
4.							
5.							

NO.	P_r	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 691 P_c^2 477,481

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		547	299,209	178,272
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.678$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.315$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,558$

Absolute Open Flow 2,558 Mcfd @ 15.025 | Angle of Slope θ ___ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Ewell N. Walsh		