NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 7 1967
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9-5-67	
Company: John E. Schalk			Connection: Waiting on pipe line		
Pool: Ballard			Formation: Pictured Cliffs		Unit
Completion Date: 9-5-67	Total Depth: 3172'		Plug Back TD: 3136'	Elevation: 7430 Gr	Farm or Lease Name: Cinco Diablos
Csg. Size: 4.50 / Wt.: 9.50 / d: 4.090 / Set At: 3170'			Perforations: From 3053 To 3088		Well No.: 7
Tbg. Size: 1.50 N.U. / Wt.: 2.75 / d: 1.610 / Set At: 3054'			Perforations: From Open Ended To		Unit: O / Sec.: 10 / Twp.: 23N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: @ –	Mean Annual Temp. °F: –	Baro. Press. – P_a: 12.0		State: New Mexico
L: 3054	H: 3054	Gg: 0.65	% CO_2: –	% N_2: –	% H_2S: –
Prover: –	Meter Run: –	Taps: –			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						714		715		SI 8 da.
1.	3/4" T.C.				54	169		638		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		181	1.0058	0.9608	1.020	2,206
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 727 P_c^2 528,529

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	–	650	422,500	106,029
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.985$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.915$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8,636$

Absolute Open Flow 8,636 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: _____

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