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OIL CON. DIV.
DIST. 3

Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Dugan Production Corp.				Lease or Unit Name: Cisco Com	
Type Test: X Initial ___ Annual ☐ Special				Test Date: 4-8-93	Well No.: 90
Completion Date: 2-22-93	Total Depth: 1500'		Plug Back TD: 1440'	Elevation: 6381' GL	Unit Ltr. - Sec. - TWP - Rge.: L-3-25N-13W
Csg. Size: 4½" / Wt.: 10.5 / d: 4.052 / Set At: 1489'			Perforations: From: 1357 To: 1389		County: San Juan
Tbg. Size: 1½" / Wt.: 2.9 / d: 1.610 / Set At: 1372'			Perforations: From: N/A To:		Pool: Basin FR Coal
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single			Packer Set At: N/A		Formation: Fruitland Coal
Producing Thru: tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press - P_a: 12		Connection: None
L	H	G_g: 0.5959	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	SI				200		200		2 wks
1.	2" x 3/4"				3		92	60°	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.	11		15	1.000	1.29	1.0011	213
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				0.997
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 212 P_c^2 44944

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		104	10816	34128
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.317 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.26

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 269

Absolute Open Flow 269 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: constant water spray produced during test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	J. Alexander	J. Alexander	