3-NMOCD 3-El Paso (Clark, Parrish, Fields) 1-File

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 7-12-80	
Company: Dugan Production Corp.	Connection:		
Pool: Gavilan PC	Formation: Pictured Cliffs		Unit:
Completion Date: 6-20-80	Total Depth: 3150'	Plug Back TD: 3076'	Elevation:
Farm or Lease Name: Almagre			
Csg. Size: 2-7/8" / Wt.: 6.4# / d: / Set At: 3142' GL	Perforations: From 3054 To 3068		Well No.: #1R
Tbg. Size: None / Wt.: / d: / Set At:	Perforations: From To		Unit: N / Sec.: 27 / Twp.: 24N / Rge.: 1W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas	Packer Set At:		County: Rio Arriba
Producing Thru: csg	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:
State:			
L:	H:	Gg: .62 est	% 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								341		7 days
1.										
2.										
3.	5/8" Pos Choke		115		59°					3 hrs
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							
2							
3	8.5417		127	1.001	.9837	1.011	1080
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 353 P_c^2 124,609

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	16129		16134	108475
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1487$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{.85} = 1.1251$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1215

Absolute Open Flow 1215 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: Well very dry throughout test

Approved By Division	Conducted By:	Calculated By:	Checked By: