1 - El Paso (Bob Clark)

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☐ Initial ☐ Annual ☒ Special			Test Date: 2-04-81	
Company: Dugan Production	Connection: New Well			
Pool: Basin Dakota	Formation: Dakota		Unit	
Completion Date: 1-8-81	Total Depth: 7027'	Plug Back TD: 6903'	Elevation: 6704' GL	Farm or Lease Name: A New Dawn
Csg. Size: 4-1/2" / Wt.: 10.5# / d / Set At: 7027'		Perforations: From 6815 To 6851		Well No.: #3 DK
Tbg. Size: 1½1/2" / Wt.: 2.9# / d / Set At: 6831'		Perforations: From To		Unit: NW/4 Sec.: 23 Twp.: 24 Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - gas		Packer Set At		County: Rio Arriba
Producing Thru: tbg.	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.751				2"		

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						2114		2114		SIP
1.	2"	X 3/8"	315		58°	315		683		3 hrs.
2.	2"	X 3/8"	144		56°	144		539		24 hrs.
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	2.378		327	1.002	1.154	1.052	946
2	2.378		156	1.004	1.154	1.020	438
3							
4.							
5							

RECEIVED FEB 2 OIL CON. DIV.

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 Seperator Gas _____ XXX XXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_t 2126 P_c 4,519,876

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		695	483,025	4,036,851
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.1197 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ 1.0885

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1029

Absolute Open Flow 1029 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	F.S. Hamrick	F.S. Hamrick	