

3-NMOCD 1-El Paso 1-File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-17-79	
Company Dugan Production Corp.				Connection	
Pool Wildcat				Formation Fruitland	
Completion Date 9-10-79		Total Depth 1840'		Plug Back TD 1767'	
		Elevation 5706' GR		Farm or Lease Name Five of Diamonds	
Csg. Size 2-7/8"	Wt. 6.4	Set At 1830'	Perforations: From 1310 To 1703		Well No. 2
Tbg. Size 1-1/4"	Wt. 2.3	Set At 1710'	Perforations: From Open To End		Unit K Sec. 10 Twp. 30N Rge. 13W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single - gas				Packer Set At	
Producing Thru tbg		Reservoir Temp. °F 62		Mean Annual Temp. °F	
		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
					Prover
					Meter Run
					Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							350		375		7 days
1.											
2.							3	65	26		3 hrs
3.	5/8" Pos. Choke										
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		15	.9952	.9837	1.000	125
4							
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0097$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0082$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 126$
1					
2					
3		38	1444	148325	
4					

Absolute Open Flow 126 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			
Approved By Commission:		Conducted By: Hall	Calculated By: Hall
		Checked By:	