

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION:

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

APR 15 10 23 AM '93
Type Test

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/2/93	
Company COLLINS & WARE		Connection	
Pool S. Carlsbad W. Gap		Formation WOLFCAMP	
Completion Date 3/8/93		Total Depth 11838	
Plug Back TD 11120		Elevation	
Farm or Lease Name HAPPY VALLEY FED. COM		Well No. 1	
Csg. Size 5 1/2"	Wt. 6.5	d 2.441	Set At 9102
Perforations: From 9571 To 9586		Unit G	
Sec. 28		Twp. 22	
Rge. 26		County EDDY	
Type Well - Single - Drivenhead - G.C. or C.O. Multiple SINGLE		Packer Set At 9102	
Producing Thru TBG		Reservoir Temp. °F 170 @ 9571	
Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
State N.M.		Meter Run 3.068	
Taps FLG		Prover	
L 9571		H 9571	
Cg .617		% CO ₂ .76	
% N ₂ .43		% H ₂ S	
Prover		Meter Run	
Taps		FLG	
FLOW DATA			
TUBING DATA			
CASING DATA			
Duration of Flow			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	3	X	1.750
2.			
3.			
4.			
5.			
RA			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pr
1	15.61	24.14	
2.			
3.			
4.			
5.			
CHANGE FROM CARLSBAD WOLF CAMP (UND)			
CARLSBAD WOLF CAMP			
Rate of Flow O. Meid			
5			477
Mei/bbl. Dec. XXXXXXXXXX			
A. P.S.I.A. R			
362			
NO.	P _r	Temp. °F	Z
1.	.08	532	.991
2.			
3.			
4.			
5.			
P _c 3613.2 P _c ² 13055.2			
NO.	P _i ²	P _w	P _r ²
1		107.0	11.5
2			
3			
4			
5			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.001$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.001$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = .478$			
Absolute Open Flow 477 Meid @ 15.025 Angle of Slope @ 45 Slope, n 1.000			
Remarks: NO FLUID PRODUCED DURING TEST			
Approved By Division Conducted By: JOHN WEST ENGINEERING Calculated By: BM Checked By: BM			