

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

Form C-122
Revised 9-1-67

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-22-82	
Company Gulf Oil Corp.		Direction Air	
Pool Wildcat		Formation Morrow	
Completion Date	Total Depth 10600	Flow Test Date 10555	Elevation
			Field or Lease Name East White Ranch
Csg. Size 5 1/2	Wt.	d	Set At 10600
Perforations: From 9906 To 9918		Well No. 1	
Tbg. Size 2 3/8	Wt.	d	Set At 9770
Perforations: From To		Unit Sec. Twp. Rge. 14 13s 30e	
Type Well - Single - Provenhead - G.O. or G.O. Multiple Single			County Chaves
Producing Thru Tbg.	Reservoir Temp. °F 172 @ 9775	Mean Annual Temp. °F 60	Buro. Press. - P _a 13.2
State N.M.			
L 9775	R 9775	Gg .7359	% CO ₂ .342
% H ₂	% H ₂ S	Prover 2" O.W.T.	Meter Run
Type			

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							1362				72 hrs
1.	2 X .500			20		59	1190				1 hr
2.	2 X .750			12		58	940				1 hr
3.	2 X 1.000			11		58	495				1 hr
4.	2 X 1.250			12		59	280				1 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	uncorrected $\sqrt{h_w P_m}$ O.W.T. volume	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mhd
1		166	33.2	1.0010	.9030	nil	150
2		272	25.2	1.0019	.9030	nil	246
3		470	24.2	1.0019	.9030	nil	425
4		840	25.2	1.0010	.9030	nil	759
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.05	519	1.28	nil	dry		.7359		667	405
2	.04	518	1.28	nil						
3	.04	518	1.28	nil						
4	.04	519	1.28	nil						
5										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1		1203.5	1448.4	442.8	1.061	1.061
2		954.3	910.6	980.6		
3		514.7	264.9	1626.3		
4		329.1	108.3	1782.9		
5						

Absolute Open Flow	805	Mhd @ 15.025	Angle of Slope °	45°	Slope, n	1.000
Remarks: Produced 2.2 bbls of H2O during the test						

Approved by Commission:	Conducted By: Davis Services, Inc.	Geologist City: Rick Pagan	Checked By:
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