

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

Form C-122
Revised 9-1-65

N. M. O. C. C. COPY

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-6-74		RECEIVED DEC 30 1974	
Company TEXAS OIL & GAS CORPORATION				Connection TO AIR			
Pool BURTON FLAT				Formation MORROW		Unit O. C. C.	
Completion Date 10-25-74		Total Depth 11940' / 11957'		Plug Back TD 11889' / 11897'		Elevation 3273 GR.	
Csg. Size 4 1/2"		Set At 11940		Perforations: From 11524 To 11862		Well No. 2	
Tub. Size 2 3/8"		Set At 11392 / 11392		Perforations: From To		Unit Sec. Twp. Rge. J 16 20S 29E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 11392'		County EDDY	
Producing Thru TUBING		Reservoir Temp. °F 185 @ 11693'		Mean Annual Temp. °F 60		State NEW MEXICO	
L 11693'		H 11693'		Gg 0.600		% CO ₂ % N ₂ % H ₂ S	
						Prover Meter Run Steps POSITIVE CHOKES	
FLOW DATA							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Duration of Flow
SI	POSITIVE CHOKES						
1.	14/64"			2005.0		60	60 MIN.
2.	12/64"			2171.0		60	60 MIN.
3.	10/64"			2489.0		60	60 MIN.
4.	8/64"			2765.0		60	60 MIN.
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, Mcid
1.	0.8419	---	2018.2	1.000	1.291	1.159	2542
2.	0.6101	---	2184.2	1.000	1.291	1.162	1999
3.	0.4173	---	2512.2	1.000	1.291	1.162	1566
4.	0.2618	---	2778.2	1.000	1.291	1.155	1085
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.	3.01	520	1.45	.745	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.	3.26	520	1.45	.741	Specific Gravity Separator Gas 0.600 XXXXXXXXXX		
3.	3.73	520	1.45	.741	Specific Gravity Flowing Fluid XXXXX		
4.	4.14	520	1.45	.750	Critical Pressure 671 P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature 358 R _____ R		
P _c 4744.2 P _c ² 22507					RECEIVED DEC 30 1974 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO		
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²			
1		2788.2	7774	14733			
2		2990.2	8941	13566			
3		3399.2	11555	10952			
4		3734.2	13944	8563	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5277$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3883$		
5							
Absolute Open Flow 3883 Mcid @ 15.025					Angle of Slope 45°		Slope, n 1.000 LIMITED
Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA GAUGE @ 11693'							
GOOD POINT ALIGNMENT BUT IN EXCESS OF 1.000 (45°)							
Approved By Commission:		Conducted By:		Calculated By: R. WEST		Checked By:	