

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

HOBBS OFFICE O.C.C.

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date June 3, 1967	
Company TEXACO Inc.		Connection TEXACO Inc.	
Pool Undesignated Wildcat		Formation Wolfcamp	
Completion Date 6-3-67		Total Depth 19,546	Plug Back TD 15,050
Elevation 15,050		Farm or Lease Name Cotton Draw Unit	
Cas. Size 8-5/8	Wt. 40 & 49	d 7.725 7.511	Set At 16,250
Perforations: From 12785 To 12851		Well No. 65-UT	
Perf. Size 2-7/8	Wt. 7.9	d 2.323	Set At 11417
Perforations: From To		Unit G 2 25S 31E	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual G.G.		Packer Set At 11417	County Eddy
Producing Thru Tubing	Reservoir Temp. °F 188 @ 12851	Mean Annual Temp. °F 60	Baro. Press. - P _g 13.2
State New Mexico		Meter Run 6.065	
L 11417	H 11417	G _g 0.656	% CO ₂ 0.20
% N ₂ 0.45	% H ₂ S 0	Prover Flange	Tape Flange

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	of Flow
SI							8047	60			24
1.	6.065		2.500	640	9.3	88	7545	83			3
2.	6.065		2.500	724	25.5	86	6370	85			3
3.	6.065		2.500	794	36.0	84	5183	87			3
4.	6.065		2.500	950	40.0	80	4102	90			3
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	30.31	77.94	653.2	.9712	1.235	1.057	3004
2	30.31	137.1	737.2	.9759	1.235	1.067	5344
3	30.31	170.5	807.2	.9777	1.235	1.076	6714
4	30.31	196.3	963.2	.9813	1.235	1.092	7874
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	29.7	520	520	1.0	78.3	
2	29.7	520	520	1.0	57.0	
3	29.7	520	520	1.0	656	XXXXXXX
4	29.7	520	520	1.0	XXXXX	693
5	29.7	520	520	1.0	670	669 P.S.I.A.
6	29.7	520	520	1.0	375	388 R

NO.	P _i ²	P _w ²	P _r ²	P _r ² - P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.3755$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.2162$
1	57126.4	7521.056565	8401.1			
2	40745.2	6382.440735	42423.8			
3	27000.5	5238.727444	31752.2			
4	16934.9	4211.317735	12723.8			
5						

Absolute Open Flow		9592	Mcf @ 15.025	Angle of Slope θ	Slope, n = 619
Remarks:					
Approved By Commission:		Conducted By:		Calculated By:	
F. W. Moore		F. W. Moore		F. W. Moore	