

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 10-11-82	
Company TEXACO Inc.				Connection None			
Pool SKAGGS ABO				Formation ABO		Unit	
Completion Date 8-25-82		Total Depth 7620		Plug Back TD 7600		Elevation 3562	
Csg. Size 7		Wt. 26.23		Set At 6.336		Perforations: From 7010 To 7581	
Tbg. Size 2.375		Wt. 4.70		Set At 1.995		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 6988	
Producing Thru Tubing		Reservoir Temp. °F 110 @ 7295		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 7295		H 7295		Gg 0.663		% CO ₂ 0.30	
						% N ₂ 3.40	
						% H ₂ S 0.0	
						Prover --	
						Meter Run 2.067	
						Taps Flange	
State New Mexico				County Lea			

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.	
SI							2192	60		
1.	2		0.750	82.1	5.8	47	2168	63		
2.	2		0.750	82.4	11.6	40	2144	65		
3.	2		0.750	465.8	6.3	40	2109	66		
4.	2		0.750	321.8	23.0	23	2037	66		
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	8.12	23.5	95.6	1.0127	1.228	1.010	241
2	8.12	33.2	95.6	1.0198	1.228	1.011	344
3	8.12	54.7	479.0	1.0198	1.228	1.058	592
4	8.12	87.9	335.0	1.0376	1.228	1.044	956
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.14	507	1.37	0.979	A.P.I. Gravity of Liquid Hydrocarbons	64
2.	0.14	500	1.35	0.979	Specific Gravity Separator Gas	0.663
3.	0.12	500	1.35	0.894	Specific Gravity Flowing Fluid	XXXXXX
4.	0.51	483	1.30	0.917	Critical Pressure	663 P.S.I.A.
5.					Critical Temperature	365 °R

$P_c = 2205$ $P_c^2 = 4862.9$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 7.284$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.972$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1	4757.6	2182	4762.3	100.6	
2	4653.5	2159	4659.3	203.6	
3	4503.7	2125	4513.8	349.1	
4	4203.3	2055	4223.7	639.2	
5					

Absolute Open Flow		Mcf @ 15.025		Angle of Slope θ		Slope, n	
5709				48.		900	
Remarks:							

Approved By: JERRY SEARSON	Conducted By: R. E. Lee	Calculated By: Computer	Checked By:
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C. H. Weir 'A' # 14
 10-11-82
 Sec. 12-T20S-R37E
 AOF 4,662
 Ø 48 Degrees

