

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8-17-72		AUG 21 1972		
Company TEXACO Inc.				Connection				Unit O. C. C.	
Pool Golden Eagle				Formation Morrow				Unit ARTESIA, OFFICE	
Completion Date 8-17-72		Total Depth 10645		Plug Back TD 10607		Elevation 3327		Farm or Lease Name E.J. Levers NCT-1	
Csg. Size 4 1/2	Wt. 11.6	d 4.00	Set At 10645	Perforations: 10453 To 10463		Well No. 1			
Thg. Size 2 7/8	Wt. 2.441	d 2.441	Set At	Perforations: From To		Unit Sec. Twp. Rge. N 12 21S 25E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At 10405		County Eddy		
Producing Thru Tubing		Reservoir Temp. °F 158 # 10405		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 10405	H 10405	Gg 0.591	% CO ₂ 0.70	% N ₂ 0.20	% H ₂ S 0.0	Prover	Meter Run 4"	Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							3470	60			52 hr SI
1.	4 x 2.500			300.0	1.5	87	3403	78			1 hr.
2.	4 x 2.500			310.0	10.0	74	3340	77			1 hr.
3.	4 x 2.500			630.0	40.0	50	2955	80			1 hr.
4.	4 x 2.500			920.0	52.0	60	2615	84			1 hr.
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	32.64	21.7	313.2	0.9750	1.301	1.023	920
2	32.64	56.9	323.2	0.9868	1.301	1.023	2450
3	32.64	160.4	643.2	1.0098	1.301	1.023	7318
4	32.64	320.3	933.2	1.0000	1.301	1.023	10158
5.							

NO.	P _t	Temp. °R	T _f	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.	0.46	547	1.53	0.955	316.5	54.8	0.591	XXXXXXX	676	356
2.	0.48	534	1.49	0.950				XXXXX	675	358
3.	0.95	510	1.42	0.887						
4.	1.38	520	1.45	0.852						
5.										

NO.	P _c ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	11670.4	3418	11684	449	2.885	2.885
2	11243.9	3363	11311	822		
3	8810.2	3058	9354	2779		
4	6907.4	2815	7927	4206		
5						

Absolute Open Flow 29302 Mcfd @ 15.025				Angle of Slope 45.0		Slope, n 1.00	
Remarks:							
Approved By Commission:		Conducted By: Lee		Calculated By: Computer		Checked By:	