

W 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 5/16/74		MAY 21 1974	
Company Texas International Petro. Co.				Connection None		TIPCO	
Pool Morrow				Formation JUN 4 1974		Unit MIDLAND, TEXAS	
Completion Date 5/10/74		Total Depth 12620		Plug Back TD 12520		Elevation O. C. C.	
Farm or Lease Name Lowe Federal				Well No. 1			
Csg. Size 5"	Wt. 18	d 5	Set At 12620	Perforations: ARTESIA, OFFICE From 12147-12151 To 12255-12262		Unit H	
Teg. Size 2 1/16"	Wt.	d	Set At 12270	Perforations: From 11647 Vent To		Unit Soc. Twp. Rye. 4 31 20 30	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 11647		County Eddy	
Producing Thru Teg.		Reservoir Temp. °F 185 @ 11647		Mean Annual Temp. °F 12.2		State New Mexico	
L 12,205	H 12205	Gg 605	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 2"
Taps FL							

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							3690		2870		Tubing 06 hr.
1.	3 x 1"			480	9.00	102	2518	88	2782		Leak 1 hr.
2.	3 x 1"			455	16.00	108	1762	86	2745		1 hr.
3.	3 x 1"			370	31.00	112	1100	86	2730		1 hr.
4.	3 x 1"			300	55.00	120	576	84	2717		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	4.789	66.62	493.2	.9619	1.286	1.034	408
2	4.739	86.55	468.2	.9568	1.286	1.031	526
3	4.789	108.99	383.2	.9535	1.286	1.025	656
4	4.789	131.25	313.2	.9469	1.286	1.020	781
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.	.74	562	1.55	.935			.605	XXXXXX	671	362
2.	.70	568	1.57	.947				XXXXX		
3.	.57	572	1.58	.952						
4.	.47	580	1.60	.962						
5.										

NO.	P _r ²	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	2553.4	6519.9	7256.0		1.051	1.051
2	1614.3	3291.7	10434.2			
3	1231.3	1513.1	12259.8			
4	851.4	724.9	13051.0			
5						

Absolute Open Flow 821 Mcfd @ 15.025				Angle of Slope 45°		Slope, n 1.000	
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Remarks: No. fluid made during test. Bottom hole pressures were taken from bomb at 11,647 ft.

Approved By Commission:	Conducted By: Rick Dagan	Calculated By: Rick Dagan	Checked By:
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