

N. M. O. C. C. COPY
W 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 5-4-73	
Company Dorchester Exploration			Connection None		
Pool Wildcat			Formation Morrow		Unit
Completion Date 4-30-73		Total Depth 11,174	Plug Back TD 11,114	Elevation 3,000	Farm or Lease Name D.W.V. Unit
Csg. Size 1 1/2"	Wt. 11.60	Set At 11,174	Perforations: From 10,030 To 11,051		Well No. 1
Tub. Size 2"	Wt. 4.7	Set At 10,982	Perforations: From To		Unit Sec. Twp. Rge. J 34 19 28
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 10,982	County Eddy
Producing Thru TRG		Reservoir Temp. °F 195 @ 11,000	Mean Annual Temp. °F		State New Mexico
L 13,040	H 11,000	G _g .625	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run 3"		Taps FLG	

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							3162	74			95 hr.
1.	3 x 1.000			482	6.00	73	2957	76			1 hr.
2.	3 x 1.000			540	16.00	75	2831	77			1 hr.
3.	3 x 1.000			505	24.000	63	2668	81			1 hr.
4.	3 x 1.000			510	47.00	79	2417	81			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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcf/d
1.	1.789	54.51	1495.2	.9877	1.265	1.039	339
2.	1.789	94.08	553.2	.9859	1.265	1.044	587
3.	1.789	111.52	518.2	.9971	1.265	1.052	709
4.	1.789	156.81	523.2	.9822	1.265	1.041	971
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.74	533	1.46	.926	26.4	
2.	.82	535	1.47	.918	47.0	
3.	.77	523	1.43	.903		
4.	.78	539	1.48	.922		
5.						

NO.	P _r	P _w	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.		2972.5	8835.8	2.434	1.823
2.		2847.6	8108.8		
3.		2685.9	7214.1		
4.		2437.1	5939.5		
5.					

Absolute Open Flow		1.770	Mcf/d @ 15.025	Angle of Slope @	56°
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Remarks: Made 4.05 BBLS of 47.0 API condensate during test.

Approved by Commission:	Conducted By: Reggie Reston	Calculated By: Bob Murray	Checked By:
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RECEIVED
JUN 27 1973
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO