

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

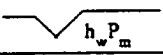
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MERIDIAN OIL INC.						Lease or Unit Name LATE THOMAS					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-13-94		Well No. 4			
Completion Date 4-9-94		Total Depth 3250		Plug Back TD 3202		Elevation 3255.7 GR.		Unit Ltr. - Sec. - TWP - Rge. 17 - 24 - 37			
Csg. Size 4 1/2	Wt. 10#	d 4.052	Set At 3250	Perforations: From: 2886 To: 3062				County LEA			
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 2920	Perforations: From: To:				Pool JALMAT			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE				Formation YATES 7 RIVERS			
Producing Thru TBG		Reservoir Temp. °F 60		Baro. Press - P _a 13.2				Connection VENTED			
L 2886	H 2886	Gg .779	% CO ₂ 9.80	% N ₂ 2.16	% H ₂ S	Prover 2"	Meter Run		Taps		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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						121		121		24 HRS
1.	2 X	.750	5.0		101	113		118		30 MIN.
2.	2 X	.750	10.0		99	106		115		" "
3.	2 X	.750	16.0		92	95		105		" "
4.	2 X	.750	22.0		90	86		99		" "
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.453		18.2	.9628	1.133	1.005	189
2.	9.453		23.2	.9645	1.133	1.005	241
3.	9.453		29.2	.9706	1.133	1.005	305
4.	9.453		35.2	.9723	1.133	1.005	368
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	DRY GAS	Mcfd/bbl.
1.	.02	561	1.42	.991	A.P. L Gravity of Liquid Hydrocarbons	DRY	Deg.
2.	.03	559	1.42	.991	Specific Gravity Separator Gas	.779	XXXXXXXXXX
3.	.04	552	1.40	.991	Specific Gravity Flowing Fluid	XXXXXX	
4.	.05	550	1.39	.991	Critical Pressure * 702	P.S.I.A.	P.S.I.A.
5.					Critical Temperature * 393	R	R

P_c **134.2** P_c² **18.0**

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		131.2	17.2	.8
2.		128.2	16.4	1.6
3.		118.2	14.0	4.0
4.		112.2	12.6	5.4
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{22.500}$ 2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4.729}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{.894}$

Absolute Open Flow 894 Mcfd @ 15.025	Angle of Slope θ 63.5	Slope, n .499
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Remarks: **NO FLUID PRODUCED DURING TEST**

* = CORRECTED TO 9.80% CO₂ & 2.16% N₂

Approved By Division	Conducted By: WEST-TEST, INC.	Calculated By: B.M.	Checked By: B.M.
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RECEIVED

APR 25 1994

**OLD HOBBS
OFFICE**