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See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

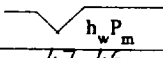
OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MERIDIAN OIL INCORPORATED						Lease or Unit Name EL PASO TOM FEDERAL					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-30-93		Well No. 8			
Completion Date 3-17-93		Total Depth 3000'		Plug Back TD 2942		Elevation 2996.5' GR		Unit Ltr. - Sec. - TWP - Rge. P, 33, T25S, R37E			
Csg. Size 4-1/2	Wt. d 11.6#	Set At 3000'		Perforations: From: 2551 To: 2821				County LEA			
Tbg. Size 2 3/8	Wt. d 4.7 1.995	Set At 2557		Perforations: From: To:				Pool JALMAT TANSILL YATES SEVEN RIVERS			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At none		Formation YATES 7R			
Producing Thru tbg		Reservoir Temp. °F 102 @2821		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection 3-31-93			
L 2821	H 2821	Gg .829	% CO ₂ 12.41	% N ₂ .93	% H ₂ S	Prover		Meter Run 2.067	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
1.	2 X	1.000		22	64.00	65	22		60		72 hrs
2.									60		24 hrs.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	4,946	47.46	35.2	.9952	1,098	1,001	257
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/bbl.
1.	.05	525	1.28	.999	A.P. I. Gravity of Liquid Hydrocarbons	Dry	Deg.
2.					Specific Gravity Separator Gas	.829	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX	
4.					Critical Pressure *718	P.S.I.A.	P.S.I.A.
5.					Critical Temperature *410	R	R

P _c ** 76.4 P _c 5.84				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		35.3	1.25	4.6
2.				
3.				
4.				
5.				

$$1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.270$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = .326$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.270$$

Absolute Open Flow 326 Mcfd @ 15.025	Angle of Slope Θ 45	Slope, n 1.000
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Remarks: ***CORRECTED TO 12.41% Co²**
****FROM KNOWN BHP'S CALCULATED BACK TO SURFACE**

Approved By Division	Conducted By: PRO WELL TESTERS	Calculated By: BM	Checked By: BM
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RECEIVED

APR 07 1993

OCD HOBBS OFFICE