

Submit in duplicate to
appropriate district office
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 INC.						Lease or Unit Name MEYER B					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-12-91		Well No. 6			
Completion Date 10-26-91		Total Depth 3620		Plug Back TD 3573		Elevation 3350.5' GR		Unit Ltr. - Sec. - TWP - Rge. 4, 11, T 24-S, R-36-E			
Csg. Size 4 1/2	Wt. 11.6	d 	Set At 3620	Perforations: From: 2989 To: 3473		County Lea					
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 2970	Perforations: From: To: 		Pool Jalmat - Tansil-Yates - 7 Rms.					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At none		Formation Yates -7R			
Producing Thru CS6		Reservoir Temp. °F 104		Mean Annual Temp. °F 60		Baro. Press - P 13.2		Connection 			
L 2989	H 2989	Gg .772	% CO ₂ 2.83	% N ₂ 1.88	% H ₂ S 	Prover 		Meter Run 2.067		Taps FLG	

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.	
SI									
1.	2 X 1.250		30	13.50	60	150		150	
2.						40		40	
3.									
4.									
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, F pv.	Rate of Flow Q, Mcfd
1.	8.120	24.15	53.2	1.000	1.138	1.009	225
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Dry Gas Mcf/bbl.	
1.	.07	520	1.27	.982	A.P. I. Gravity of Liquid Hydrocarbons Dry Deg.	
2.					Specific Gravity Separator Gas .772	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX	
4.					Critical Pressure *673 P.S.I.A.	P.S.I.A.
5.					Critical Temperature *409 R	R

P _c 163.2 P _c ² 26.6				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		54.3	2.95	23.7
2.				
3.				
4.				
5.				

$$1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.122$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = .252$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.122$$

Absolute Open Flow 252 Mcfd @ 15.025	Angle of Slope Θ 45	Slope, n 1.000
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Remarks: ***= Corrected to 2.83% C°² & 1.88% N₂**

No fluid produced during test

Approved By Division	Conducted By: Pro Well Testing	Calculated By: BM	Checked By: BM
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