

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-23-88	
Company MERIDIAN OIL INC.				Connection EL PASO NATURAL GAS COMPANY			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 09-23-88		Total Depth 6455		Plug Back TD 6446		Elevation 6488 GL	
Farm or Lease Name DAVIS, P. L.							
Coq. Size 4.5000	Wl. 10.5	d 4.0520	Set At 6455	Perforations: From To		Well No. 2E	
Thq. Size 2.3750	Wl. 4.7	d 1.9950	Set At 6376	Perforations: From 6282 To 6382		Unit Sec. Twp. Rge. P 25 26 11	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At N/A		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a	
State NEW MEXICO							
L	H	Cq	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

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							669		669		
1.	3/4 POSITIVE CHOKE						105	62°	430		15 MIN.
2.							58	64°	400		30 MIN.
3.							60	63°	362		45 MIN.
4.							55	65°	340		1 HR.
5.							10	65°	331		3 HRS.

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, Mcd
1	12.365		22	.9952	.9608		260 MCF/D
2.							
3							
4.							
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ X X X X X X X X	
3.					Specific Gravity Flowing Fluid _____ X X X X X	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5					Critical Temperature _____ R _____ R	

P _c 681 P _c ² 463761				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	484	343	117649	346112
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3399$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2454$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 324$

Absolute Open Flow 324	Mcd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: _____

Approved By Division	Conducted By: STAN TERWILLIGER	Calculated By: GARY OSBORNE	Checked By: BMF
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