

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

RECEIVED
OCT 19 1994
OIL CON. DIV.
DIST. 3

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Meridian Oil, Inc.						Lease or Unit Name Johnston A Com G					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-12-94		Well No. 18			
Completion Date 10-05-94		Total Depth 7,212		TVD MD		Plug Back TD 7,193		Elevation 6,370		Unit Letter - Sec. - TWN - RNG N-36-26N-6W	
Csg. Size 5.500	Wt. 17	d 4.892	Set At 7,212	Perforations: From 4,666 To 5,008				County RIO ARRIBA			
Tbg. Size 1.500	Wt. 2.9	d 1.61	Set At 5,009	Perforations: From To				Pool BLANCO			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - MV / DK				Packer Set At 5100				Formation MESAVERDE			
Prod Thru Tubing		Resv Temp *F		Mean Ann T *F		Baro. Press. Pd 12.20				Connection	
L	H	Gg 0.700	% CO2 0.000	% N2 0.000	% H2S	Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Office Size	Press. p.s.i.g.	Diff. hw	Temp. F*	Press. p.s.i.g.	Temp. F*	Press. p.s.i.g.	Temp. F*	
SI	2	0.750				960		1050		S.I.
1.						190	66	720		1 Hour
2.						165	66	640		2 Hours
3.						150	66	610		3 Hours
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.000		162.2	0.9943	1.1952	1.0000	2,120.32
2.							
3.							
4.							
5.							

NO.	Pr	Temp. *R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					API Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXXXXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A
5.					Critical Temperature	R

Pc 1062.20	Pc2 #####
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NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		622.20	387,132.84	741,136.00
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2} = 1.5224$

AOF = Q $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2,905.95$

(2) $\left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 1.3705$

Absolute Open Flow 2,906 Mcfd @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: JOE GOLDING	Calculated By: TANYA ATCITY	Checked By: LARY BYARS
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