

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

B18-26N-3W

Operator Meridian Oil, Inc.					Lease or Unit Name JICARILLA 98				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 01-18-94		Well No. 11		
Completion Date 11-05-93		Total Depth 6,474		TVD MD	Plug Back TD 6,429		Elevation 7,078		Unit Letter - Sec. - TWN - RNG B-18-026N-003W
Csg. Size 4 5/8	Wt. 12	d K-55	Set At 6,474	Perforations: From 3,749 To 4,782		County RIO ARRIBA			
Tbg. Size 2 3/8"	Wt. 4.7	d J-55	Set At 6,200	Perforations: From 5,509 To 6,267		Pool TAPACITO/BLANCO			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple COMMINGLE					Packer Set At None		Formation PICTURED CLIFFS/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	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. F°	Press. p.s.i.g.	Temp. F°	Press. p.s.i.g.	Temp. F°	
1.	2 X 6		0.750				80		860		S.I.
2.							150	67	782		1 Hour
3.							135	67	730		2 Hours
4.							124	68	713		3 Hours
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		236.2	0.9924	1.1952	1.0000	3,081.81
2.							
3.							
4.							
5.							

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	API Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcft/bbl Deg.
1.											XXXXXXXXXXXXXXXXXXXX
2.											
3.											
4.											
5.											

Pc	872.20	Pc2	760,732.84	
NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		725.20	525,915.04	234,817.80
2.				
3.				
4.				
5.				

$$(1) \frac{Pc2}{Pc2 - Pw2} = 3.2397$$

$$AOF = Q \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 7.44187$$

$$(2) \left[\frac{Pc2}{Pc2 - Pw2} \right]^n = 2.4148$$

Absolute Open Flow	7.442 Mcfd @ 15.025	Angle of Slope	Slope, n	0.75
Remarks:				

Approved By Division	Conducted By: BURL APPELATE	Calculated By: SUSAN DOLAN	Checked By: BRUCE VOILES
----------------------	--------------------------------	-------------------------------	-----------------------------

RECEIVED
JAN 25 1994
OIL CON. DIV.
DIST 3