

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
 Revised 9-1-

RECEIVE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-19-92		AUG 27 1992	
Company Meridian Oil Inc.			Connection EPNG		OIL CON. DIV DIST. 3
Pool G-411UP			Formation Niobrara + Tooto		
Completion Date 8-13-92		Total Depth 5715' 11" Meas. 6545'		Elevation 6498'	
Casing Size 1/2 8 3/8		Set At 5340'		Performance: From To	
Thg. Size 2 3/8"		Set At 6476'		Performance: From 5946' To 6410'	
Type Well - Single - (Production - G.O. or G.O. Multiple) Single				County SAN JUAN	
Producing thru Tbs		Reservoir Temp. °F 178°		State New Mexico	
L 6545	H 5715	Q _g .7908	% CO ₂ .866	% N ₂ .988	Prover Meter Run Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size 2" X 750	Orifice Size	Press. p.s.i.g.	Diff. in. Hg	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	2"	750				898		Packer	
1.						50	70		1 hr
2.						37	70		2 hr
3.						33	72	91 Cmc	3 hr
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.00		45.2	.9887	1.1245	1.005	555.80
2							
3							
4							
5							

NO.	P ₁	Temp. °R	Q	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/mol.
1	10676	531.67	1.276	.9891	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P ₁	P ₂	P ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²
1		103.2	10650.24	817813.80	
2					
3					
4					
5					

(1) $\frac{P_1^2}{P_2^2 - P_1^2} = 1.0130$

AOF = 0 $\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 561.22$

(2) $\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 1.0098$

Absolute Open Flow	561	Mcf @ 15.025	Angle of Slope °	-	Slope, n	.75
Remarks: Dry						

Approved By Commission:	Conducted By: Duane Herten	Calculated By: K. H. Maxwell	Checked By:
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