

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-9-83	
Company Lobo Production Company		Connection	
Pool Dakota		Formation Dakota	
Completion Date 10-23-83		Total Depth 5700'	Plug Back TD 5635'
Elevation 5390' GL		Farm or Lease Name Mesa Twin Mounds	
Csg. Size 5 1/2	Wt. 17 lb.	Set At 5689'	Perforations: From 5504' To 5597'
Thq. Size 2 3/8	Wt. 4.7	Set At	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tubing		Reservoir Temp. °F 8	Mean Annual Temp. °F
Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run	Taps
Pos. Ck.			

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.	
1.	2" x 3/4"						1275		1275	
2.							56		418	
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11.0		68	1.000	1.240	1.000	927.5
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1287	P _c ² 1656.4			
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		430	184.9	1471.5
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1257$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0928$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1013.6$$

Absolute Open Flow	1013.6	Mcf/d @ 15.025	Angle of Slope @	53.13°	Slope, n	0.75
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Remarks:

Approved by Commission:	Conducted By: Richard Housh	Calculated By: G. W. Taylor	Checked By:
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