

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 5-25-74			
Company Lynco Oil Corporation				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date 4-23-74		Total Depth 7491		Plug Back TD 7341		Elevation 6143 GR		Farm or Lease Name Schumacher	
Csg. Size 2 7/8	Wt. 6.50	d	Set At 7406	Perforations: From 7058 To 7168		Well No. 3			
Tbg. Size Tubingless	Wt.	d	Set At	Perforations: From To		Unit E		Sec. 18	Twp. 30
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _g 12.0		State New Mexico	
L	H	Gg 0.60	% CO ₂	% N ₂	% H ₂ S	Prover X	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							Tubingless		1928		72
1.	2	x	3/4				"		182	60	3 hrs
2.											
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	12.365		194	1.000	.9608	1.035	2385
2.							
3.							
4.							
5.							

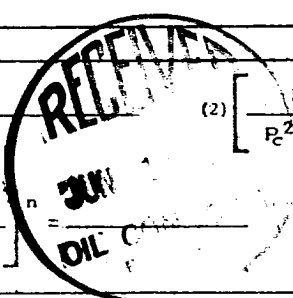
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

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

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

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



Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ 85
Remarks: _____			

Approved By Commission:	Conducted By: James Ray	Calculated By: F. J. Ray	Checked By:
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