

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

Form C-122
Revised 9-1-65

Steve
F.6

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-23-1980													
Company Merrion & Bayless		Connection New Well													
Pool		Formation PC													
Completion Date		Total Depth	Plug Back TD												
			Elevation												
		Farm or Lease Name E. Lindreth													
Csq. Size	Wt.	d	Set At												
			Perforations: From To												
Trq. Size	Wt.	d	Set At												
			Perforations: From To												
Type Well - Single - Brodenhead - G.C. or G.O. Multiple		Packer Set At	County Rio Aribba												
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a												
			State New Mexico												
L	H	G _g	% CO ₂ % N ₂ % H ₂ S												
		.668	Prover 2" 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					
1.	2"	x	.500	67		57°	67		183		SIP 3hr.				
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, Mcld								
1.	4.279		79	1.003	1.224	1.009	419								
2.															
3.															
4.															
5.															
NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.										
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.										
1.					Specific Gravity Separator Gas _____ X X X X X X X X										
2.					Specific Gravity Flowing Fluid _____ X X X X X										
3.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.										
4.					Critical Temperature _____ R _____ R										
5.															
P _c 362 P _c ² 131044					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4088$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3382$										
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²											
1.		195	38025	93019											
2.															
3.															
4.															
5.															
Absolute Open Flow _____ Mcld @ 15.025					Angle of Slope @ _____ Slope, n .85										
Remarks: Produced light mist of water through out test.															
Approved By Commission:				Conducted By: Fred S. Hamrick				Calculated By: Fred S. Hamrick				Checked By:			

08:23:18 06/25/80

06/25/80

1 METER CODE NEW WEL-4-IGNP-07180-E LINDRETH #1 -0000

COMPONENT	MOLZ	GPM	SP GR	BTU	UMOLZ	SP HEAT
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BASE MOL% **99.43**