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appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Robert L. Bayless					Lease or Unit Name Horn Canyon				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/01/95		Well No. 1		
Completion Date 11/24/95		Total Depth 1745		Plug Back TD 1670 (BP @ 1500')		Elevation 5550 RKB		Unit Ltr. - Sec. - TWP - Rge. D 15 28N 11W	
Csg. Size 5 1/2"		Wt. 15.5		d 4.950"		Set At 1715		Perforations: From: 1322 To: 1339	
Tbg. Size 2 3/8"		Wt. 4.7		d 1.995"		Set At 1328		Perforations: From: None To: 	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		Formation Fruitland Sand		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P 12.0 PSIA, est.		Connection EPFS	
L		H		Gg 0.65		% CO ₂		% N ₂	
						% H ₂ S		Prover	
								Meter Run	
								Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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 inch x .750"					380	60°F	380	
2.						70		115	
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd	
1.	12-365	82	1.000	1.240	1.014	1275	
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.12		1.39	0.973	A.P. I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _w	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	392	127	153,664	1.1173	1.0988
2.					
3.					
4.					
5.					

Absolute Open Flow 1401 Mcfd @ 15.025		Angle of Slope θ		Slope, n 0.85	
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Remarks:	
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Approved By Division	Conducted By: Albert Aranda	Calculated By: Kevin McCord	Checked By:
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