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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DEVON ENERGY				Lease or Unit Name ESPARANZA "3N" FED			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11/14/01	Well No. 1
Completion Date 10/16/01		Total Depth 11900		Plug Back TD 11812		Elevation	Unit Ltr - Sec - TWP - Rge N 3 22 27
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 11900	Perforations: From: 11754 To: 11759		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 11581	Perforations: From: To:		Pool South Carlsbad Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11581		Formation MORROW	
Producing Thru Tubing	Reservoir Temp. °F 189.8	Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2		Connection SALES	
L 11581	H 11581	Gg 0.595	%CO ₂ 1.104	%N ₂ 0.256	%H ₂ S N/A	Prover N/A	Meter Run 4.026
Taps FLG							
FLOW DATA			TUBING DATA			CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI							
1	4.026 X 1.000		317	4.3	91	3239	
2	4.026 X 1.000		326	7.7	76	2912	
3	4.026 X 1.000		325	14.7	72	2467	
4	4.026 X 1.000		320	22.2	69	2001	
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							230
2							326
3							435
4							531
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2					Specific Gravity Separator Gas 0.595 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure 676 P.S.I.A. P.S.I.A.		
5					Critical Temperature 353 R R		
P _c 3699.2 P _{c2} 13684.1							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 1.423$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3$		
1		3252.5	10578.7	3105.4			
2		2925.8	8560.4	5123.7			
3		2481.5	6157.7	7526.4			
4		2016.5	4066.3	9617.8			
5							
Absolute Open Flow 690				Mcf @ 15.025	Angle of Slope (°): 53.38	Slope n: 0.7432	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	