

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2640 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 SCARY CREEK "25" ST. COM			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/22/01	Well No. 1
Completion Date		Total Depth 10672		Plug Back TD 10577		Elevation	Unit Ltr - Sec - TWP - Rge 25 20S 26E
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 10578	Perforations: From: 10342 To: 10362		County EDDY	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10304	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10262		Formation	
Producing Thru TUBING		Reservoir Temp. °F 177	Mean Annual Temp. °F 60	Baro. Press.-P _a 13.2		Connection SALES	
L 10304	H 10304	Gg 0.616	%CO ₂ 0.759	%N ₂ 0.319	%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 1.500		310	1.3	56	1664	
2	4.026 X 1.500		315	6.4	57	1625	
3	4.026 X 1.500		330	22.9	57	1558	
4	4.026 X 1.500		356	90.8	56	1395	
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							313
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	679
3							1253
4							2627
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 101.5 Mcf/bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 55.3 Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas .616 / G.MIX=.645 xxxxxxxx		
3					Specific Gravity Flowing Fluid N/A xxxxxx		
4					Critical Pressure 674 P.S.I.A. 673 P.S.I.A.		
5					Critical Temperature 354 R. 368 R		
P _c 1703.2		P _{c2} 2900.9					
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.116$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.116$		
1	2813	1678.1	2816	84.9			
2	2683.7	1642.5	2697.7	203.2			
3	2468.7	1586.4	2516.6	384.3			
4	1983	1481.9	2196.1	704.8			
5							
Absolute Open Flow		10812.7		Mcf/d @ 15.025		Angle of Slope (°):	45
						Slope n:	1
Remarks: * WELL MADE 2 BBLS OF 55.3 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	