

Submit in duplicate to
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 SFS				Lease or Unit Name OUTLAND ST UNIT			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/26/01	Well No. 4
Completion Date		Total Depth		Plug Back TD		Elevation	Unit Ltr - Sec - TWP - Rge 1 21S 34E
Csg. Size	Wt.	d	Set At	Perforations: From: To:		County LEA	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 13043	Perforations: From: To:		Pool	
Type Well-Single-Bradenhead, G.O. or G.O. Multiple SINGLE				Pack or Set At 12957		Formation MORROW	
Producing Thru TUBING		Reservoir Temp. °F 177.5		Mean Annual Temp. °F 60		Haro. Press. - P _w 13.2	
T. 13043		H. 13043	Gg. 0.596	%CO ₂ 0.502	%N ₂ 0.363	%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 Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F
81						4120	N/A
1	4.026 X 2.250		730	7.7	75	3990	
2	4.026 X 2.250		761	9.8	74	3970	
3	4.026 X 2.250		792	31	64	3740	
4	4.026 X 2.250		792	73.6	56	3320	
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 _{sp}	Rate of Flow Q, Mcfd
1							2603
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	3012
3							5467
4							8665
5							
No.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio 82.279 Mcf bbl.		
1					A.P.I. Gravity of Liquid Hydrocarbons 50.5 Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas .5960 / GMDX = .634 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 675 P.S.I.A. 673 P.S.I.A.		
5					Critical Temperature 350 R. 364 R		
P _c 4556.9		P _w 20765.3					
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{5.24}{\quad} (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{4.64}{\quad}$		
1		4434.2	19662.1	1103.2			
2		4419.2	19529.3	1236			
3		4279.6	18314.9	2450.4			
4		4099.9	16809.2	3956.1			
5							
Absolute Open Flow 40205.6		Mcf/d @ 15.025		Angle of Slope (°) 47.2		Slope n: 0.9269	
* CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES / WELL. MADE TO 10131.8 OF 50.5 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	