

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

38-015-30716

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Oxy U.S.A				Lease or Unit Name Tumbleweed			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-18-00		Well No. 1	
Completion Date 12-16-99		Total Depth		Plug Back TD		Elevation	
Csg. Size 4 1/2	Wt. 11.6	d 4.000	Set At	Perforations: From: 6570 To: 6680		Unit Ltr. - Sec. - TWP - Rge. 4 2-18-25	
Thg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 6473	Perforations: From: To:		County Eddy	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 6473		Pool W. Adkq u/Penn	
Producing Thru Tbg		Reservoir Temp. °F 121.8		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2	
L 6484		H 6484		Gg .695	P _{CO2} .178	N ₂ 1.487	H ₂ S 0
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line X Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F
SI							
1.	2.067 X		297	87"	62°	898	N/A
2.						742	N/A
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, Mcfd
1.							219
2.							
3.	GAS VOLUMES BY TOTAL FLOW METER						
4.							
5.							
No.	P _i	Temp. °R	T _i	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 .695		
3.	TOTAL FLOW				Specific Gravity Flowing Fluid N/A		
4.					Critical Pressure 675 P.S.I.A.		
5.					Critical Temperature 383 R.		
P _c 911.5		P _w 830.8					
No.	P _i ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) P _c ² = 3.6 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.6$		
1.		774.6	600.0	230.8	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 788.4$		
2.							
3.							
4.							
5.							
Absolute Open Flow 788.4				Mcf/d @ 15.025		Angle of Slope θ: 45°	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE				Slope, n: 1.000			
* NO LIQUID MADE DURING TEST							
Approved By Division		Conducted By: Pro Well Testing		Calculated By: M.B.		Checked By: B.M.	