

30-015-31403

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 OXY USA				Lease or Unit Name WACKY PACK FED			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/9/01		Well No. 1	
Completion Date		Total Depth 9750		Plug Back TD		Elevation	
Csg. Size 4 1/2		Wt. 11.6		d 4		Set At	
Tbg. Size 2 3/8		Wt. 4.7		d 1.995		Set At 9326	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9326		Formation Morrow	
Producing Thru TUBING		Reservoir Temp. °F 154.7		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 9326		H 9326		Gg 0.679		%CO ₂ 0.308	
				%N ₂ 0.586		%H ₂ S N/A	
				Prover N/A		Meter Run 4.026	
						Taps FLG	
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
SI						1810	N/A
1	4.026 X 1.375		402.8	1.4	51.7	1802	
2	4.026 X 1.375		407.5	5.8	58	1793	
3	4.026 X 1.375		415.9	23.1	64	1777	
4	4.026 X 1.375		457.1	94	64	1695	
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							288
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	597
3							1189
4							2410
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 46.708 Mcf/bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons 62.8 Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas .679 / G.MIX = .737 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 672 P.S.I.A. 671 P.S.I.A.		
5					Critical Temperature 384 R. 401 R		
P _c 1822.7 P _{c2} 3322.2							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = 8.21$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.88$		
1		1815.2	3294.9	27.3			
2		1806.2	3262.4	59.8			
3		1790.2	2921.4	400.8			
4		1708.2	2817.9	404.3			
5							
Absolute Open Flow 11760.8 Mcfd @ 15.025				Angle of Slope (°): 53.01 Slope n: 0.7531			
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. WELL MADE 4 BBLs OF 62.8 API GRAVITY CODENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	