

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 SWEET & SOUR STATE			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/18/00	Well No. 1
Completion Date 12-19-00		Total Depth 9800		Plug Back TD 9790		Elevation 3508	Unit Ltr - Sec - TWP - Rge P 24-12-27
Csg. Size	Wt.	d	Set At	Perforations: From: 9628 To: 9670			County EDDY
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 9576	Perforations: From: To:			Pool Logan Dr Marrow
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 9576		Formation Marrow	
Producing Thru TUBING		Reservoir Temp. °F 155.2	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2			Connection SALES
I. 9576	II 9576	Gg 0.658	%CO ₂ 0.319	%N ₂ 0.516	%H ₂ S N/A	Prover N/A	Meter Run 4.029
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						1840	N/A
1	4.029 X	1.375	336	0.5	57	1730	
2	4.029 X	1.375	337	1.6	63	1630	
3	4.029 X	1.375	340	4.9	72	1440	
4	4.029 X	1.375	344	17	73	980	
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							152
2	GAS VOLUMES	MEASURED	BY	TOTAL	FLOW METER		283
3							488
4							921
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	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.658 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 673 P.S.I.A. P.S.I.A.		
5					Critical Temperature 371 R. R.		
P _c 1914.3		P _{c2} 3664.5					
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.68$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.68$		
1		1760.5	3099.4	565.1			
2		1690.3	2857.1	807.4			
3		1477	2181.5	1483			
4		1045	1092	2181.5			
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1547.2$		
Absolute Open Flow		1547.2		Mcf @ 15.025		Angle of Slope (°)	45
				Slope n:		1	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES. / NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By:		Calculated By:		Checked By:	
		PRO WELL TESTING		MB		BM	

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