

30-15-30756

CISF

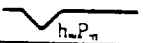
Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator <u>Oxy U.S.A.</u>				Lease or Unit Name <u>Skippy Saloon Fed</u>			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date <u>1-7-00</u>		Well No. <u>1</u>	
Completion Date		Total Depth		Plug Back TD		Elevation	
Csg. Size <u>4 1/2</u>		Wt. <u>11.6</u>		Set At <u>4.000</u>		Perforations: From: <u>9340</u> To: <u>9394</u>	
Thg. Size <u>2 3/8</u>		Wt. <u>4.7</u>		Set At <u>1.995</u>		Perforations: From: <u>9307</u> To: <u>9307</u>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Single</u>				Packer Set At <u>9294</u>		Formation <u>Morroa</u>	
Producing Thru <u>Tbg</u>		Reservoir Temp. °F <u>154.7</u>		Mean Annual Temp. °F <u>60°</u>		Baro. Press. P _a <u>13.2</u>	
L <u>9307</u>		H <u>9307</u>		Gg <u>.654</u>		Prover <u>0</u>	
				P _a CO ₂ <u>.848</u>		P _a N ₂ <u>.428</u>	
				P _a H ₂ S <u>0</u>		Taps <u>4.026</u>	
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
SI							
1.	4.026 X 1.250		380	.61	48°	880	N/A
2.	4.026 X 1.250		384	.65	49°	814	
3.	4.026 X 1.250		387	1.82	49°	791	
4.	4.026 X 1.250		392	6.9	50°	780	
5.						735	
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor. F _{pv}	Rate of Flow Q _{Meid}
1.							142
2.	GAS VOLUMES TAKE FROM TOTAL FLOW METER						176
3.							272
4.							532
5.							
No.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio <u>35.96</u> Mcf/bbl.		
1.					A. P. I. Gravity of Liquid Hydrocarbons <u>42</u> Deg.		
2.					Specific Gravity Separator Gas <u>.654</u> XXXXXXXX		
3.	Total Flow				Specific Gravity Flowing Fluid <u>N/A</u> XXXXXX		
4.					Critical Pressure <u>673</u> P.S.I.A. P.S.I.A.		
5.					Critical Temperature <u>371</u> R. R.		
P _c	P _c ²						
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) P _{c2} = <u>5.57</u> (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.57$		
1.		868.7	754.6	88.3	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.963$		
2.		884.5	784.3	58.6			
3.		863.7	745.9	97.0			
4.		831.7	691.7	151.2			
5.							
Absolute Open Flow <u>2.963</u>		Mcf/d @ 15.025		Angle of Slope θ: <u>45°</u>		Slope. n: <u>1.000</u>	
Remarks: <u>*Well made 1.3 bbls of 42° API condensate</u>							
<u>*calculated from known bottom hole pressure</u>							
Approved By Division		Conducted By: <u>Pro Well Testing</u>		Calculated By: <u>M.B.</u>		Checked By: <u>B.M.</u>	