

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator <u>OXY U.S.A.</u>						Lease or Unit Name <u>T BIRD STATE 30</u>			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date <u>6/18/96</u>		Well No. <u>1</u>	
Completion Date		Total Depth <u>11,405</u>		Plug Back TD <u>11,362</u>		Elevation		Unit Ltr. - Sec. - TWP - Rge. <u>30-19S-29E</u>	
Csg. Size <u>5 1/2</u>	Wt. <u>17#</u>	d <u>4.892</u>	Set At <u>11,405</u>	Perforations: From: <u>10,582</u> To: <u>10,660</u>				County <u>EDDY</u>	
Tbg. Size <u>2-3/8</u>	Wt. <u>4.7</u>	d <u>1.995</u>	Set At <u>10,783</u>	Perforations: From: To:				Pool <u>W. Parkway H. K. K.</u>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>single</u>				Packer Set At <u>10,783</u>		Formation			
Producing Thru <u>TBG.</u>		Reservoir Temp. °F <u>60</u>		Mean Annual Temp. °F <u>60</u>		Baro. Press - P _a <u>13.2</u>		Connection <u>SALES</u>	
L <u>10783</u>	H <u>10783</u>	Gg <u>.654</u>	% CO ₂ <u>.36</u>	% N ₂ <u>1.10</u>	% H ₂ S <u>-0-</u>	Prover <u>-0-</u>	Meter Run <u>4.026</u>	Taps <u>FLG.</u>	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	<u>4.026 X 1.000</u>									<u>72 hrs.</u>
1.										
2.	READINGS FROM TOTAL FLOW METER									<u>24 hrs.</u>
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							<u>151.9</u>
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					<u>N/A</u>	
2.					<u>N/A</u>	
3.					<u>N/A</u>	<u>XXXXXXXXXX</u>
4.					<u>673</u>	<u>P.S.I.A.</u>
5.					<u>371</u>	<u>P.S.I.A.</u>

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.	<u>140</u>	<u>375.3</u>	<u>140.9</u>	<u>2397.4</u>
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.059}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{161}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.059}$

Absolute Open Flow <u>161</u> Mcfd @ 15.025	Angle of Slope Θ <u>45°</u>	Slope, n <u>1.059</u>
---	------------------------------------	-----------------------

Remarks: _____

Approved By Division	Conducted By:	Calculated By: <u>MB</u>	Checked By: <u>BM</u>
----------------------	---------------	--------------------------	-----------------------