

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY U.S.A.					Lease or Unit Name D.W.V. FEDERAL				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-13-96		Well No. 6		
Completion Date 3-28-96		Total Depth 11,159		Plug Back TD 11,112		Elevation		Unit Ltr. - Sec. - TWP - Rge. 34 19S 28E	
Csg. Size 5 1/2	Wt. 17.2	d 4.892 4.778	Set At 11,159	Perforations: From: 10203 To: 10313			County EDDY		
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 10,123	Perforations: From: To:			Pool <i>Wichita Strawn Gas</i>		
Type Well - Single - Bradenhead - G.G. or P.O. Multiple single					Packer Set At 10113		Formation STRAWN		
Producing Thru TBG		Reservoir Temp. °F 175.2		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection SALES	
L 10,123	II 10,123	Gg .882	% CO ₂ .60	% N ₂ 1.00	% H ₂ S 0-	Prover -0-	Meter Run 6.065	Taps FLG.	

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.	
SI									
1.									
2.									
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, Fpv	Rate of Flow Q, Mcfd
1.							920
2.							2.242
3.	VOLUMES FROM TOTAL FLOW METER						3.200
4.							4.762
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl
1.					18.540	
2.					55.3 @ 60°	Deg.
3.					.882	XXXXXXXXXX
4.					XXXXX	
5.					666	P.S.I.A. P.S.I.A.
					447	R R

P_e **2912.7** P_e **8483.82**

NO.	P _i ²	P _w	P _w ²	P _e ² - P _w ²	1) $\frac{P_e^2}{P_e^2 - P_w^2} =$	2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$
1.	7857.93	2902.6	8425.0	58.82	10.76	4.55
2.	7497.73	2864.4	8205.9	277.92		
3.	7071.34	2837.1	8049.1	434.72		
4.	6241.00	2774.1	7695.6	788.22		
5.						

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$ **21667.1**

Absolute Open Flow 21667.1 Mcfd @ 15.025	Angle of Slope Θ 57.44	Slope, n .6385
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Remarks: **WELL PRODUCED 25 BBLs CON. API GRAVITY 55.3 @ 60°**

Approved By Division	Conducted By: PRO WELL TESTER	Calculated By: MB	Checked By: BM
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