

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

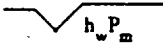
OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ORVX ENERGY						Lease or Unit Name BRIGHT FEDERAL					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-9-96		Well No. 3			
Completion Date		Total Depth 7341		Plug Back TD none		Elevation		Unit Ltr. - Sec. - TWP - Rge.			
Csg. Size 7"	WL 26	d 6.276	Set At 7272	Perforations: From: open hole To:				County EDDY			
Tbg. Size 3 1/2	WL 12.7	d 2.750	Set At 7300	Perforations: From: To:				Pool Indian Basin 4/P-NM			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At 7300		Formation UPPER PENN			
Producing Thru TBG		Reservoir Temp. °F 147°		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2		Connection SALES			
L 7300	H 7300	Gg .6273	% CO ₂ .56	% N ₂ .81	% H ₂ S -0-	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	Press. p.s.i.g.	Temp. °F	
1.	4.026 X 1.250		TOTAL FLOW			600				318
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.			GAS RATE FROM TOTAL FLOW				318
3.							
4.							
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.					Specific Gravity Separator Gas .6273	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid N/A	XXXXXX N/A
4.					Critical Pressure 674 P.S.I.A.	N/A P.S.I.A.
5.					Critical Temperature 361 °R	N/A °R

P_c **613.2** P_w **376.0**

NO.	P_t^2	P_w^2	$P_c^2 - P_w^2$
1.	2.8	57.8	3.3
2.			
3.			
4.			
5.			

$$1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.009}{1.009}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.009}{1.009}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 321$$

Absolute Open Flow 321 Mcfd @ 15.025	Angle of Slope Θ 45°	Slope, n 1.000
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Remarks: **NO FLUID MADE DURING TEST**

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