

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

Energy, Minerals and Natural Resources Department

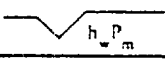
C151

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL					Lease or Unit Name BALDRIDGE CANYON 11 ST.						
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7/7/98		Well No. 1				
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. 17 24S 24E			
Org. Size 5 1/2	Wt. 17	d 4.892	Set At 10759	Perforations: From: 10656 To: 10678			Country EDDY				
Tbg. Size 2-7/8	Wt. 6.5	d 2.441	Set At 10516	Perforations: From: To:			Pool Baldrige Canyon Morrow				
Type Well - Single - Bradenhead - G.G. or G.C. Multiple single					Packer Set At 10516		Formation MORROW				
Producing Thru TBG		Reservoir Temp. °F 181.4		Mean Annual Temp. °F 60°		Baro. Press. - P 13.2		Connection SALES			
L 10516	II 10516	Gg .5947	% CO ₂ 2.220	% N ₂ .178	% H ₂ S -0-	Prover -0-	Meter Run 3.068	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.	Temp. °F	Duration of Flow
1.	3.068						1650.6				24 hr.
2.							509.1				
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd				
1.							801				
2.											
3.											
4.											
5.											
VOLUMNS FROM TOTAL FLOW METER											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A			Mc/bbl			
1.					A.P. I. Gravity of Liquid Hydrocarbons			Deg.			
2.					Specific Gravity Separator Gas .5947			XXXXXXXXXX			
3.					Specific Gravity Flowing Fluid XXXXX						
4.					Critical Pressure 679			P.S.I.A.			
5.					Critical Temperature 348			R			
P _c 2069.7 P _c ² 4283.7											
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.066$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.066$						
1.	259.2	516.6	266.8	4016.8	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 854$						
2.											
3.											
4.											
5.											
Absolute Open Flow 854					Mcfd @ 15.025			Angle of Slope θ 45°		Slope, n 1.000	
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE											
* nNO LIQUID MADE DURING TEST.											
Approved By Division			Conducted By: PRO WELL TESTING			Calculated By: MB			Checked By: BM		