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

State of New Mexico
Energy, Minerals and Natural Resources Department

C157

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: [X] Initial [ ] Annual [ ] Special					Test Date: 7/7/98		Well No.: 1	
Completion Date	Total Depth		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge.: L 11 24S 24E	
Csg. Size: 5½	Wt.: 17	d: 4.892	Set At: 10759	Perforations: From: 10656	To: 10678		County: EDDY	
Tbg. Size: 2-7/8	Wt.: 6.5	d: 2.441	Set At: 10516	Perforations: From:	To:		Pool: Baldridge Canyon Morrow	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single			Packer Set At: 10516				Formation: MORROW	
Producing Thru: TBG	Reservoir Temp. °F: 181.4	Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2				Connection: SALES	
L: 10516	H: 10516	Gg: .5947	% CO_2: 2.220	% N_2: .178	% H_2S: -0-	Prover: -0-	Meter Run: 3.068	Taps: FLG

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1650.6				
1.	3.068				509.1				24 hr.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1.							801
2.							
3.							
4.		VOLUMNS FROM TOTAL FLOW METER					
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: .5947 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 679 P.S.I.A. P.S.I.A.
Critical Temperature: 348 R R

P_c 2069.7 P_c^2 4283.7

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	259.2	516.6	266.8	4016.8
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.066$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.066$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 854$

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:	Calculated By:	Checked By:
	PRO WELL TESTING	MB	BM