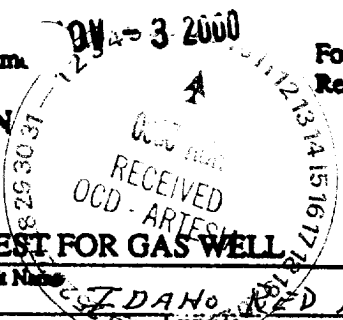


Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Oil, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505



30-015-31049

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator DAVID HERRINGTON OIL & GAS						Lease or Unit Name ESTADANO HED HACKLE 15-19-23					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-26-00					
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. B 15-19-23			
Csg. Size 5 1/2	Wt. 17#	d 	Set At 8296	Perforations: From: 8072 To: 8102		County EDDY					
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 7967	Perforations: From: To: 		Pool Hogg Tank Morrow					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At 7968		Formation			
Producing Thru 756		Reservoir Temp. °F 60		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection			
L 7968	H 7968	G _g 1.601	% CO ₂ 1.803	% N ₂ 1.388	% H ₂ S 	Prover		Meter Run 3.068		Taps	

FLOW DATA						TUBING DATA		CASINO 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							1497		PKR		24 NR
1.	3 X	.875		355			1420		"		1 "
2.	3 X	.875		381			1290		"		1 "
3.	3 X	.875		443			1178		"		1 "
4.	3 X	.875		485			1115		"		1 "
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.							270
2.							533
3.	GAS MEASURED BY TOTAL FLOW METER						1.053
4.							1.380
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl
1.					DRY	
2.					DRY GAS	
3.					6.01	XXXXXXXXXX
4.					XXXXXX	
5.					6.21	PSIA
					358	R

P_i **1510.2** P_w **2280.7**

NO.	P _i ²	P _w ²	P _i ² - P _w ²
1.	1413.4	1997.7	283.0
2.	1304.1	1700.7	588.0
3.	1195.1	1428.3	852.4
4.	1135.3	1289.0	991.7
5.			

1) $\frac{P_i^2}{P_i^2 - P_w^2} = \underline{2.300}$ 2) $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right] = \underline{2.300}$

AOF = Q $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right] = \underline{3.174}$

Absolute Open Flow 3.174 Mcfd @ 15.025	Angle of Slope 45	Slope, n 1.000
---	--------------------------	-----------------------

Remarks: **NO FLUID PRODUCED**

Approved By Division	Conducted By: METER & TESTING	Calculated By: BM	Checked By: BM
----------------------	---	-----------------------------	--------------------------