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

State of New Mexico
Energy, Minerals and Natural Resources Department

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O. C. D.

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: COLLINS & WARE, INC.					Lease or Unit Name: SHEEP DRAW			
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 4 22 92		Well No.: 1	
Completion Date: 3 25 92	Total Depth: 11,733		Plug Back TD: 10,620		Elevation: 3288.46 GR		Unit Ltr. - Sec. - TWP - Rge.: 33 22S 26E	
Csg. Size: 7"	Wt.	d	Set At: 10,742	Perforations: From: To:			County: EDDY	
Tbg. Size: 2 3/8"	Wt.	d: 1.995	Set At: 10,280	Perforations: From: To:			Pool: Sheep Draw Strawn	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE			Packer Set At: 10,260				Formation: STRAWN	
Producing Thru: TBG	Reservoir Temp. °F: 178.8@10280	Mean Annual Temp. °F: 60°	Bar., Press - P_a: 13.2				Connection: EL PASO	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,280	10,280	.622	0.54	0.62	0	1.500	4.026	FLG

	FLOW DATA						TUBING DATA		CASING DATA		
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
SI	9:15 AM						2700				48 HRS.
1.	4	X	1.500	313.6	2.89	76°	2622				1 HR
2.	4	X	1.500	313.6	16.00	72°	2442				1 HR
3.	4	X	1.500	324.9	20.25	74°	2265				1 HR
4.	4	X	1.500	324.9	33.64	76°	2026				1 HR
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, F pv.	Rate of Flow Q, Mcfd
1.	10.84	30.73	326.8	.9850	1.268	1.029	428
2.	10.84	72.31	326.8	.9887	1.268	1.029	1011
3.	10.84	82.74	338.1	.9868	1.268	1.030	1156
4.	10.84	106.65	338.1	.9850	1.268	1.030	1487
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.48	536	1.46	.944
2.	.48	532	1.45	.944
3.	.50	534	1.46	.942
4.	.50	536	1.46	.942
5.				

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P. I. Gravity of Liquid Hydrocarbons: GAS Deg.
Specific Gravity Separator Gas: .622 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 671 P.S.I.A. P.S.I.A.
Critical Temperature: 365 R R

P_c 2713.2 P_c^2 7377.8

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		2636.6	6951.6	426.2
2.		2461.8	6060.5	1317.3
3.		2287.2	5231.2	2146.6
4.		2055.4	4224.6	3153.2
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.339$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.701$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.529$

Absolute Open Flow 2,529 Mcfd @ 15.025 | Angle of Slope θ 58° | Slope, n .625

Remarks: NO FLUID PRODUCED DURING TEST

Approved By Division	Conducted By:	Calculated By:	Checked By:
	JOHN WEST ENGINEERING	GPW	BM