

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-13-82	
Company BASS ENTERPRISES PROD'N CO.		Formation AIR	
Pool MORROW		Well No. C	
Completion Date Sept. 4, 1982	Total Length 13,660'	Flow Back Test -----	Elevation 3658' GL
Casing Size 5 1/2"	WT. 17#	Set At 13,660'	Perforations From 13,481' To 13,499'
Flow Size 2 3/8"	WT. 4.7	Set At Pkr 13,402'	Perforations From Eleven (11) holes
Type Well - Single - Brownhead - G.G. or G.O. Multiple SINGLE		Peckor Set At 13,402'	County LEA
Producing Thru TBG	Reservoir Temp. °F 208a 13426	Mean Annual Temp. °F 60°	State NEW MEXICO
L 13,426	H 13,426	Gg .677	% CO ₂ .578
		% N ₂ .672	% H ₂ S
		Prover	Meter Run 4"
			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.	
51							3000			
1.	4 X 1.500			330	1.5	100	2800			
2.	4 X 1.500			330	3	96	2660			1 HR.
3.	4 X 1.500			335	6	86	2550			1 HR.
4.	4 X 1.500			330	12	86	2250			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 Compens. Factor Fpv	Rate of Flow Q, Mhd
1	10.84	22.69	343.2	.9636	1.215	1.029	296
2	10.84	32.09	343.2	.9671	1.215	1.030	421
3	10.84	45.71	348.2	.9759	1.215	1.031	606
4	10.84	64.17	343.2	.9759	1.215	1.032	851
5							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.51	560	1.47	.944	11.613	53.6 @ 60	.677	XXXXXX	669	382
2	.51	556	1.46	.942						
3	.52	546	1.43	.940						
4	.51	546	1.43	.939						
5										

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1	*	3326.4	11064.9	305.5		5.447	2.536
2	*	3270.4	10695.5	674.9			
3	*	3209.4	10300.2	1070.2			
4	*	3046.8	9283.0	2087.4		2.158	
5							

Absolute Open Flow 2,158		Mhd @ 15.025	Angle of Slope 61.25	Slope .549
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Remarks: BOTTOM HOLE PRESSURES MEASURED WITH A KUSTER GAUGE
CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES
7.8 BBLS OF CONDENSATE MADE DURING TEST

Approved By Commission	Conducted By: DAVIS SERVICES, INC.	Calculated By: DAVIS SERVICES, INC.	Checked By:
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SEP 24 1962

HCBS OFFICE