

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

Form C-122
Revised 9-1-65

P.O. BOX 1000

Type Test ☒ Initial ☐ Annual		Date: AUG 22 11 50 AM '69	
Company Sam Boren		None	
Field No. Bagley Upper Penn		Location Wolfcamp	
Completion Date 3-31-69		Total Length 10,300	Elevation 4290
Csg. Size 4 1/2		Wt. 11.60	Set At 10,300
Tbg. Size 2 3/8		Wt. 4.7	Set At 8,749
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. O. Dual		Packer Set At 8749	County Lea
Producing Thru Csg.		Reservoir Temp. °F 140 @ 8726	Mean Annual Temp. °F 60
L 8722		H 8722	Gg .667
Baro. Press. - P _a 13.2		% CO ₂ .19	% N ₂ .01
Prover 2"		Meter Run	Temp.

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.	
SI									2101	
1.	2"	x	1.000	120		13			1878	72
2.	2"	x	1.000	234		22			1647	72
3.	2"	x	1.000	385		46			1311	74
4.	2"	x	1.000	435		52			1123	76
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, Fpv	Rate of Flow Q, Mcfd
1	17.09		133.2	1.049	1.224	1.019	2,979
2	17.09		247.2	1.039	1.224	1.033	5,550
3	17.09		398.2	1.014	1.224	1.049	8,860
4	17.09		448.2	1.008	1.224	1.053	9,873
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1	.20	473	1.25	.964	21.035	
2	.37	482	1.28	.937	61.0	
3	.59	506	1.34	.908	.667	
4	.67	512	1.35	.902	X X X X X X X X	
5					X X X X X	

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.629$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.629$
1		1900.4	3611.5	858.3		
2		1699.2	2887.3	1582.5		
3		1443.6	2084.0	2385.8		
4		1313.5	1725.3	2744.5		
5						

Absolute Open Flow		16,000	Mcfd @ 15.025	Angle of Slope °	45	Slope, n	1.000
Remarks: Well made 54 barrels of distillate							

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
<i>[Signature]</i>	El Paso Nat. Gas Co.	El Paso Nat. Gas Co.	<i>[Signature]</i>
	Jack T. Littlefield &	Jack T. Littlefield &	