

V 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 2-24-77	
Company H. L. Brown, Jr.,				Location	
Well Bluitt				Formation Wolfcamp	
Completion Date 2-21-77		Total Length 8156		Perforations 8094	
Casing Size 4 1/2		WT. 10.5		4051 GL Federal "H"	
d 4.052		Set At 8156		From 8013 To 8056	
Well No. 1		Perforations: From Open To End		Unit Sec. Twp. Rge. I 5 8-S 37-E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 7798		County Roosevelt	
Producing Thru Tubing		Reservoir Temp. °F 148 @ 8035		Mean Annual Temp. °F 109	
Baro. Press. - P _a 13.2		State			
C	H	G _g	% CO ₂	% N ₂	% H ₂ S
43	8013	.720	None	None	None
Prover		Meter Run		Days	
2"					

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.	Temp. °F	
1	2"	1/2"	32			82	2054	66	Pkr		1 hr.
2	2"	3/4"	28			74	1871	66	"		1 hr.
3	2"	1"	21			76	1704	68	"		1 hr.
4	2"	1"	33			76	1497	72	"		1 hr.
5							1248				

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 _{pv}	Rate of Flow Q, Mscf
1	4.279	-	45.2	.9795	1.179	-	223
2	9.453	-	41.2	.9868	"	-	453
3	17.09	-	34.2	.9859	"	-	679
4	17.09	-	46.2	.9859	"	-	918
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					42,606	
2					68.6 @ 60°	
3						
4						
5						

NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1884.2	3550	723	1.593	1.593
2	1717.2	2949	1324		
3	1510.2	2281	1992		
4	1261.2	1591	2682		
5					

1462		Mscf @ 15.025	Angle of Slope °	45	Slope, n	1.00
Remarks:						
Approved By: Commission						
Conducted By:		Allen Dorsey		Calculated By:		Allen Dorsey
Checked By:						