

METHOD OIL CONSERVATION, DOWN ON MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special 9-11-75					Well No.				
Operator H. L. Brown, Jr.,					Location None				
Fluid Bluitt					Formation Wolfcamp				
Completion Date 9-9-75		Total Depth 8124		Flow Back TD 8047		Elevation 4029.8 GL		Form or Lease Name Federal "D"	
Log. Size 4 1/2	Wt. 10.5	d -	Set A 8124	Perforations: From 8006 To 35		Well No. 1			
Log. Size 2 3/8	Wt. 4.90	d 1.99	Set A 7953	Perforations: From Open To End		Unit Sec. Twp. Rge. C 9 18-S 37-E			
Type Well - Single - Packerhead - G.G. or G.O. Multiple Single					Packer Set At 7947		County Roosevelt		
Producing Thru Tubing		Reservoir Temp. °F 144 3 8020		M. in. A. in. Temp. °F 70		Brin. Press. - P _g 13.2		State New Mexico	
L 8.035	H 8006	Gg .720	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 3	Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in. Hg	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2138	70	Pkr.	
1.	3.068		.250	480	3.5	100	2070	72		60 min.
2.	"		"			76	2000	74		60 min.
3.	"		"			60	1870	72		60 min.
4.	"		"	500	75	60	1740	70		60 min.
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	7.577	41.5475	493.2	.9636	.179	1.048	375
2	"	70.2282	493.2	.9850	.179	1.058	723
3	"	126.8952	503.2	1.000	.179	1.068	1211
4	"	196.1887	513.2	1.000	.179	1.070	1875
5							

NO.	P _r	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio 27,182 Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons 71 Deg.
1					Specific Gravity Separator Gas X X X X X X X X
2					Specific Gravity Flowing Fluid X X X X X
3					Critical Pressure P.S.I.A. P.S.I.A.
4					Critical Temperature R R
5					

F _c 2151.2 P _c ² 4628				P _c ² 2.978		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.783$	
NO.	P _w	F _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$		
1	2053.2	4340	28				
2	2053.2	4053	575				
3	1853.2	3546	1082				
4	1753.2	3074	1554				
5							

Absolute Open Flow 5219		Mold # 10 015		Angle of Slope 47°		Slope, n .938	
Remarks:							
Approved By Commission		Conducted By: C. Allen Dorsey		Checked By: C. Allen Dorsey			