

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 1-27-77			
Company Sabine Production				Connection To Air					
Pool Undesignated				Formation Morrow				Unit:	
Completion Date 1-27-77		Total Depth 13,375		Plug Back TD 13,330		Elevation 4075 Gr.		Farm or Lease Name Eidson	
Csg. Size 5 1/2"	Wt. 17#	d 4.892"	Set At 13,375	Perforations: From 13,130 To 13,190				Well No. 1	
Tbg. Size 2 3/8"	Wt. 4.7#	d 1.995"	Set At 13,107	Perforations: From Open Ended To				Unit Sec. Twp. Rge. M 34 15S 34E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 13,081		County Lea	
Producing Thru Tubing		Reservoir Temp. °F 205 @ 13,107		Mean Annual Temp. °F 60		Baro. Press. - P _g 12.2		State New Mexico	
L 13,107	H 13,107	Gg 0.622	% CO ₂ 0.40	% N ₂ 1.29	% H ₂ S -0-	Prover 2" Orifice Well Tester	Meter Run	Taps	

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	
SI	2" Orif. Well Tester										
1.	2"	x	1.50"	12		71	1125	70		8/64"	60 Min
2.	2"	x	1.50"	18		66	4082	73		10/64"	60 "
3.	2"	x	1.50"	26		63	3635	75		12/64"	60 "
4.	2"	x	1.50"	32		72	3175	76		14/64"	60 "
5.											

RATE OF FLOW CALCULATIONS							
NO.	Volume (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, Mcfd
1	1420		12	.9896	Figured	N.L.	1405
2	1824		18	.9943	in tables	N.L.	1814
3	2319		26	.9971		N.L.	2312
4	2916		32	.9887		N.L.	2883
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1		N/A			A.P.I. Gravity of Liquid Hydrocarbons	57 @ 60 Deg.
2.					Specific Gravity Separator Gas	.622 XXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX G. Mix .731
4.					Critical Pressure	671 P.S.I.A. 668 P.S.I.A.
5.					Critical Temperature	365 R 401 R

$P_f = 4,923.2$ $P_s^2 = 24,336.5$				(1) $\frac{P_f^2}{P_f^2 - P_s^2} = 1.765$		(2) $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 1.517$	
NO.	P _f ²	P _s	P _s ²	P _f ² - P _s ²			
1		4463.6	19922.7	4412.8			
2		4118.7	16962.7	7372.8			
3		3692.4	13633.8	10702.7			
4		3217.8	10518.2	13788.3			
5							

Absolute Open Flow 4,374 Mcfd @ 15.025				Angle of Slope θ 53.75		Slope, n .733	
Remarks: Well made 10 bbl cond. during test							
Approved by Commission:		Conducted By: G. J. P.		Calculated By: R. R.		Checked By: J. W. W.	