

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

Form C-122
Revised 9-1-65

JAN 1 1991

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-8-91			
Company MOBIL PROD. TX & NM, INC						Connection			
Pool EUNICE Blinley O&G						Formation Blinley		Unit	
Completion Date 1-2-91		Total Depth 8143		Plug Back TD		Elevation		Farm or Lease Name E.O. CARSON	
Csg. Size 5 1/2	Wt. 17#	d 4.892	Set At 8143	Perforations: From 5450 To 5713		Well No. 17			
Tbg. Size 2 3/8	Wt. 4.70#	d 2.375	Set At 5939	Perforations: From To		Unit N	Sec. 28	Twp. 21S	Rge. 37E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.O. Multiple						Packer Set At 5939		County Lea	
Producing Thru		Reservoir Temp. °F 115 @ 5580		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.20		State New Mexico	
L 5581	H 5581	Gg 0.68	% CO ₂ 0.02	% N ₂ 2.00	% H ₂ S	Prover	Meter Run 4.026	Taps Flange	

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									550	33	48
1.	4.026	x	2.750	30	0.8	32			510	45	0.5
2.	4.026	x	2.750	82	3.8	32			425	45	0.5
3.	4.026	x	2.750	97	10.6	44			420	45	0.5
4.	4.026	x	2.750	100	11.5	44			380	45	0.5
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	41.10	5.88	43.2	1.0281	1.2127	1.0054	303
2	41.10	18.92	95.2	1.0281	1.2127	1.0119	981
3	41.10	34.11	110.2	1.0157	1.2127	1.0130	1749
4	41.10	36.13	113.2	1.0157	1.2127	1.0133	1853
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.	Specific Gravity Separator Gas 0.68	XXXXXXX
1.	.06	492	1.30	.989	Specific Gravity Flowing Fluid XXXXX	0.68	0.68	
2.	.14	492	1.30	.977	Critical Pressure 665 P.S.I.A.	665 P.S.I.A.		
3.	.17	504	1.33	.975	Critical Temperature 378 °R	378 °R		
4.	.17	504	1.33	.974				
5.								

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 429.0$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.95$
1		608	369.7	59.3	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3830$	
2		508	258.1	170.9		
3		503	253.0	176.0		
4		457	208.8	220.2		
5						

Absolute Open Flow 3830 Mcfd @ 15.025	Angle of Slope 45°	Slope, n 1.000
Remarks:		
Approved by Commission: _____ Conducted By: _____ Calculated By: _____ Checked By: _____		

Company Mobil Prod. Tx & NM, Inc.
 Well E.O. Carson #17
 Location 28-21S-37E
 County Lea
 Date 1-8-91

