

Form C-122
Revised 9-1-65

~~SECRET~~

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-8-82	
Company MESA PETROLEUM CO.		Connection Unconnected	
Pool Undesignated		Formation Abo	
Completion Date 1-8-82		Total Depth 4100'	
Csg. Size 4 1/2		Perforations From 3660' To 3999'	
Wt. 10.5#		Set At 4100'	
Flg. Size 2 3/8		Perforations From open ended To	
Wt. 4.7#		Set At 3555'	
Type Well - Single - Provenhead - G.G. or G.O. Multiple single		Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F 101 @ 4100	
Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L		H	
G _g .65		% CO ₂ 1	
% N ₂ 1		% H ₂ S	
Prover		Meter Run	
2" ORIFICE WELL TESTER		State New Mexico	
County Chaves		Well No. 8	
Unit K		Sec. 20	
Twp. 7S		Rge. 25E	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
N.O.	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" ORIFICE	1 1/4"		12.5		21	885		835		72 hr. SI
2.	WELL	1 1/4"		20		28	760		725		1 hr.
3.	TESTER	1 1/4"		24		30	590		580		1 hr.
4.		1 1/4"		25		35	420		490		1 hr.
5.							310		420		1 hr.

RATE OF FLOW CALCULATIONS							
N.O.	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, Mgd
1	862	2" ORIFICE	WELL	1.0398	.9608		861
2	1160	TESTER		1.0323	.9608		1150
3	1411			1.0302	.9608		1397
4	1441			1.0249	.9608		1419
5							

N.O.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Sbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	X 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.						

P _c 848	P _c ² 719	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3515$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1802$
N.O.	P _t	P _w	P _c ² - P _w ²
1		738	545
2		593	352
3		503	253
4		433	187
5			

Absolute Open Flow 1700 _____ Mgd @ 15.025		Angle of Slope @ 61.2°	Slope, n .55
Remarks: _____			

Approved By Commission:	Conducted By: James Craig	Calculated By: EUB 1-12-82 E.L. Buttross, Jr.	Checked By:
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