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Form C-122
Revised 9-1-65

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

RECEIVED
AUG 8 1974
O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-22-74	
Company: MOBIL OIL CORP.		Connection: —		Unit:
Pool: ~~UNDESIGNATED~~		Formation: MORROW		
Completion Date: 7-15-74	Total Depth: 15,585'	Plug Back TD: 13,717'	Elevation: 3101 G.L.	Farm or Lease Name: CORRAL DRAW UNIT
Csg. Size: 7"	Wt.: 31.31#/ft	d: 6.094	Set At: 14414	Perforations: From 13,621' To 13702'
Well No.: 1				
Tbg. Size: 2 7/8	Wt.: N-80	d: 2.441	Set At: 13520	Perforations: From To
Unit, Sec., Twp., Rge.: K, 14, 25-S, 29-E				
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE			Packer Set At: 13520'	County: EDDY
Producing Thru: TUBING	Reservoir Temp. °F: 200°	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: NEW MEXICO
L: 13570	H: 13660	Gg: 0.583	% CO_2: 0.77	% N_2: 0.79
% H_2S: —	Prover: —	Meter Run: 4"	Taps: FLANGE	

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
									1900		156 hrs
SI							5960		1500	–	1 HR
1.	4	x	2.5	645	4	95°	5207	60	1500	–	1 HR
2.	4	x	2.5	750	12	79	4805	60	1500	–	1 HR
3.	4	x	2.5	750	27	70	4555	60	1500	–	1 HR
4.	4	x	2.5	750	56	72	3858	60	1500	–	24 HRS
5.	4	x	2.5	750	56	72	3600	60			

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
					1.3096	1.0394	2251
1.	33.29	51.31	658.2	0.9679	1.3096	1.0512	5290
2.	33.29	117.20	763.2	0.9722	1.3096	1.0555	6544
3.	33.29	143.54	763.2	0.9905	1.3096	1.0547	9399
4.	33.29	206.73	763.2	0.9886	1.3096	1.0547	9399
5.	33.29	206.72	763.2	0.9886			

NO.	P_r	Temp. °R	T_r	Z
1.	0.97	555	1.60	0.925
2.	1.13	539	1.55	0.903
3.	1.13	530	1.53	0.891
4.	1.13	532	1.53	0.892
5.	1.13	532	1.53	0.892

Gas Liquid Hydrocarbon Ratio ______ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ______ Deg.
Specific Gravity Separator Gas 0.583 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX ______
Critical Pressure 675 P.S.I.A. 675 P.S.I.A.
Critical Temperature 346 R 346 R

P_c ______ P_c^2 ______

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	272304	522.24	275562	8342.9
2	231957.7	486.28	236471	120317
3	208224	464.14	215434	141356
4	149261	403.40	162737	194053
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.838

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2.076

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 19517

Absolute Open Flow 19517 Mcfd @ 15.025 Angle of Slope Θ 39.811 Slope, n 1.199

Remarks: ______

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	A.R. ALAMEDDINE	K.J. LEWIS	A.R. ALAMEDDINE

ARA 7/31/74