

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

Form C-122
Revised 9-1-65

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Type Test ☒ Initial ☐ Annual ☐ Special		Test Date	
Company Amerada Hess Corporation		Connection Phillips Petroleum Company	
Pool South Osudo		Formation Morrow	
Completion Date 11-24-69	Total Depth 12,095'	Plug Back TD 11,963'	Elevation 3608' DF
Farm or Lease Name State WE "L" Com.		Well No. 1	
Csg. Size 7" Wt. 26# 5" Liner 18#	d 6.276 4.276	Set At 11368' 12095'	Perforations: From 11,723 To 11,753
Thg. Size 2 3/8" Wt. 5.8#	d 1.867	Set At 11,592	Perforations: From Open To Ended
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 11,590	Unit Sec. Twp. Rge. K 10 21S 35E
Producing Thru Tubing	Reservoir Temp. °F 160 11,877	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2
L 11,592	H 11,723	G _a HP=0.6235 LP=0.8999	% CO ₂ Trace 0.44 % N ₂ 0.61 % H ₂ S 0.06 None
Prover		Meter R _{yn} HP=4" LP=2"	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
X3	HP 4.026 X 1.75			440	8	64	850				
X3	LP 1.939 X 0.125					64			Packer		1 hr.
X4	HP 4.026 X 1.75			440	6	64	500				
X4	LP 1.939 X 0.125					64			Packer		1 hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	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, Mcfd
X3	HP 14.93	60.2	453.2	0.9962	1.267	1.041	1177
X3	LP 2.59			0.9962	0.8165	1.005	2 1179
X4	HP 14.93	52.2	453.2	0.9962	1.267	1.041	1023
X4	LP 2.59			0.9962	0.8165	1.005	2 1025
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
X3	HP 671	524	1.44	0.923	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
X3	LP 662	524	1.15	0.990	Specific Gravity Separator Gas _____
X4	HP 671	524	1.44	0.923	Specific Gravity Flowing Fluid _____
X4	LP 662	524	1.15	0.990	Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _t ²	P _w ²	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{R_c^2 - R_w^2} =$ _____	(2) $\left[\frac{R_c^2}{R_c^2 - R_w^2} \right]^n =$ _____
1						
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n _____
Remarks: _____			

Approved By Commission: 	Conducted By: J. Utterback	Calculated By: F. A. Bowling	Checked By:
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