

RECEIVED
 JUL 30 1976
 U.S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-10-76	
Company Inexco Oil Company		Connection To Air	
Pool Burton Flat <i>menaw</i>		Formation Morrow	
Completion Date 7-10-76	Total Depth 11,450'	Plug Back TD 11,242'	Elevation 3212' gr.
Csg. Size 5 1/2"	Wt. 17#	Set At 11,361'	Perforations: From 11,028' To 11,166'
Tub. Size 2 7/8"	Wt. 6.5#	Set At 10,702'	Perforations: Open To Ended
Type Well - Single - Brazenhead - G.C. or G.O. Multiple Single		Packer Set At 10,702'	Well No. 1
Producing Thru Tubing	Reservoir Temp. °F 226° @ 11,140'	Mean Annual Temp. °F 60°	Baro. Press. - P _a 13.2
L 11,140	H 11,140	G _g 0.580	% CO ₂ .772
		% N ₂ .191	% H ₂ S -0-
		Prover -----	Meter Run 4"
			Taps Flange
County Eddy		State New Mexico	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							3305		Packer	Choke	24 Hrs.
1.	4" X 2.50"			690	11	82	3096	78		12/64"	60 Min.
2.	4" X 2.50"			690	22	82	2961	80		15/64"	60 Min.
3.	4" X 2.50"			690	42	80	2763	81		18/64"	60 Min.
4.	4" X 2.50"			690	86	70	2308	82		24/64"	60 Min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	32.64	87.95	703.2	.9795	1.313	1.049	3873
2	32.64	124.38	703.2	.9795	1.313	1.049	5477
3	32.64	171.86	703.2	.9713	1.313	1.051	7519
4	32.64	245.92	703.2	.9905	1.313	1.055	11013
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	1.05	542	1.55	.909	T.S.T.M.	0.580	XXXXXX	XXXXX	672	350
2	1.05	542	1.55	.909						
3	1.05	540	1.54	.906						
4	1.05	530	1.51	.899						
5										

NO.	P _f ²	P _s ²	P _f ² - P _s ²
1	3210.6	10308.0	702.5
2	3097.0	9591.4	1419.1
3	2931.3	8592.5	2418.0
4	2640.2	6970.7	4039.8
5			

$$(1) \frac{P_f^2}{P_f^2 - P_s^2} = 2.733$$

$$(2) \left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 1.973$$

$$AQF = Q \left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 21730$$

Absolute Open Flow	21,730	Mcf @ 15.025	Angle of Slope θ	56.00°	Slope, n	.676
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Remarks: Bottom hole pressures measured with Kuster gauge @ 11,140 feet.

Approved By Commission:	Conducted By: D. Tyson	Calculated By: R. Reston	Checked By: J.W.W.
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