

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☐ Initial ☐ Annual ☒ Special						Test Date 1-10-74		JAN 16 1974	
Company Yates Petroleum Corporation						Connection			
Pool Fordinkus						Formation Cisco		Unit	
Completion Date 6-10-68		Total Depth 6511 7/8"		Plug Back TD 6433		Elevation 3626 ft		Farm or Lease Name Anderson Sta. "CS"	
Csg. Size 4 1/2"	Wt. 11.6	d 4.00	Set At 6433	Perforations: From 6351 To 6388		Well No. 1-Y			
Tbg. Size 2-3/8"	Wt. 4.7	d 1.995	Set At 6335	Perforations: From To		Unit G	Sec. 14	Twp. 18S	Rge. 24E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 6335		County Eddy	
Producing Thru Tbg		Reservoir Temp. °F @120		Mean Annual Temp. °F		Baro. Press. - P _a 13.2		State New Mexico	
L 6335	H	G _g .651	% CO ₂ Nil	% N ₂ 1.11	% H ₂ S Nil	Prover	Meter Run 3"	Taps Flg.	

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							1858	65			Months
1.	3		1.000	280	8	90	1750	65			1 1/2 hr.
2.	3		1.000	280	14	79	1733	64			1 hr.
3.	3		1.000	280	24	82	1708	64			1 hr.
4.	3		1.000	285	62	66	1640	63			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
1	4.801	48.41	293	.9723	1.239	1.025	287
2	4.801	64.05	293	.9822	1.239	1.027	390
3	4.801	83.86	293	.9795	1.239	1.026	501
4	4.801	135.93	298	.9943	1.239	1.029	827
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	245.6	Mcf/bbl.
1.	.438	550	1.478	.952	A.P.I. Gravity of Liquid Hydrocarbons	56.2	Deg.
2.	.438	539	1.449	.949	Specific Gravity Separator Gas	X X X X X X X X	
3.	.438	542	1.457	.950	Specific Gravity Flowing Fluid	X X X X X	
4.	.445	526	1.414	.944	Critical Pressure	669	P.S.I.A.
5.					Critical Temperature	372	R

P _c 2349	P _c 2518	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 8.9578$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8.783$
NO.	P _t ²	P _w	P _w ²
1		2214	4902
2		2173	4722
3		2106	4435
4		1935	3744
5			

Absolute Open Flow		2521	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.991
Remarks: BHP bomb at 6400'. 4-Pt witnessed by Brent Linebarier with Transwestern Pipeline Company						
Approved By Commission:		Conducted By: Don Weaver		Calculated By: Eddie Mahfood		Checked By: