1 File
1-C122

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SEP 18 1978
O. C. C.
ARTESIA, OFFICE

Type Test	Test Date
[X] Initial [ ] Annual [ ] Special	7/10/78

Company	Connection
Monsanto Company	Transwestern

Pool	Formation	Unit
Rock Tank (Upper Morrow)	Upper Morrow	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
7/12/78	10921	10065	RKD 4030	Rock Tank Unit

Csg. Size	Wt.	d	Set At	Perforations	Well No.
5.50"	17	4.892	10,405	From 9902 To 10.060	4

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.375"	4.7	1.995	9755	From Open Ended To	J	1	235	24E

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	9755	Eddy

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	160° @ 10,000'	60	13.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
.9981	9981	.617	0	0	0		X	F

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1600	85	0	-	36 hr.
1.	4.029 X 1.50	270	88	80	810	93	0	-	8 hr.
2.									
3.									
4.									
5.									

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							2200
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio ---- Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ---- Deg.
Specific Gravity Seperator Gas .617 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX .617
Critical Pressure ____ P.S.I.A. ____ P.S.I.A.
Critical Temperature ____ R ____ R

P_c 1613.2 P_c^2 2602

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		911.7	831	1771
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.46923$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.46923$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3232$

Absolute Open Flow 3232 Mcfd @ 15.025 Angle of Slope θ 45° Slope, n 1.00

Remarks:

Approved By Commission: Conducted By: Calculated By: West Texas Consulting Checked By: