

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

Form C-122
 Revised 9-1-65

RECEIVED
 JUL 01 1985
 OIL CON. DIV.
 DIST. 3

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 6/14/85	
Company Conoco Inc.		Connection Re-connect	
Pool South Blanco		Formation Picture Cliff	
Completion Date		Total Depth 6250	Plug Back TD 6215
		Elevation 7248 GL	Farm or Lease Name AXI Apache K
Csg. Size 4 1/2	Wt. 10.5	d 4.052	Set At 6250
Perforations: Picture Cliff From 3877 To 3946		Well No. 5	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 5500
Perforations: Mesa Verde From 5576 To 6129		Unit Sec. Twp. Rge. h 10 26N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual- Gas/Gas		Packer Set At 5480	
Producing Thru Tub/Csg		Reservoir Temp. °F 55	Baro. Press. - P _a 12.2
State N.M.			
L 3865	H 3865	G _g .690	% CO ₂ n/a
% N ₂ n/a	% H ₂ S n/a	Prover 100"	Meter Run 4"
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							Pkr.		920	87	S.I. 1977
1.	4"X.750			144	8.1	60			144	83	24 hrs.
2.	4"X.750			101	4.2	60			101	85	24 hrs.
3.	4"X.500			200	4.4	60			200	85	24 hrs.
4.	4"X.500			300	5.0	60			300	88	24 hrs.
5.	4"X.500			350	4.8	60			350	89	24 hrs.

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	7.166	25.92	56.2	1.000	1.204	n/a	223
2	7.166	20.58	113.2	1.000	1.204	n/a	177
3	3.182	29.04	212.2	1.000	1.204	.955	106
4	3.182	40.50	312.2	1.000	1.204	.932	144
5	3.182	39.84	362.2	1.000	1.204	.920	140

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	n/a				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2	n/a				Specific Gravity Separator Gas .690 XXXXXXXXXX
3	.317	520	1.34	.955	Specific Gravity Flowing Fluid XXXXXX
4	.466	520	1.34	.932	Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5	.541	520	1.34	.920	Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _r ²	P _e ² - P _w ²
1				
2				
3	868996	461.29	212796	656200
4				
5				

$$(1) \frac{P_e^2}{P_e^2 - P_w^2} = 1.324$$

$$AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 134.5$$

$$(2) \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.269$$

Absolute Open Flow <u>134.5</u> Mcfd @ 15.025	Angle of Slope <u>.25</u>	Slope, n _____
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Remarks: Fc=3.284 AOF is based on step # 3 of calculations. Conoco is applying for re-connect. Bad casing was repaired 6/1977.

Approved By Commission:	Conducted By: Production Technician	Calculated By: R.A. Janner	Checked By:
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