NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 8/3/79	
Company: Conoco Inc	Connection: None			
Pool: Blanco	Formation: Mesa Verde		Unit	
Completion Date: 7/2/79	Total Depth: 6400	Plug Back TD: 6217	Elevation: 7247	Farm or Lease Name: AXI APACHE N
Csg. Size: 4 1/2 / Wt.: 10.5 / d: 4.052 / Set At: 6362		Perforations: From 5916 To 6056		Well No.: 15A
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 5895		Perforations: From Open ended		Unit: O / Sec.: 11 / Twp.: 25N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual G G		Packer Set At: 5886		County: Rio Arriba
Producing Thru: Tbg	Reservoir Temp. °F: e	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2	State: N. Mex
L: 5886 / H: 5886 / Gg: .690	% CO_2:	% N_2:	% H_2S:	Prover: 3/4" / Meter Run: choke nipple / Taps:

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI						1242	75°	—	—	
1.	3/4" choke nipple		85		64°	502	70°	—	—	3 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	11.00	N/A	97	.9962	1.204	N/A	1,279.8
2							
3							
4							
5							

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

Gas Liquid Hydrocarbon Ratio 26 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 59 Deg.
Specific Gravity Separator Gas XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure ____ P.S.I.A. ____ P.S.I.A.
Critical Temperature ____ R ____ R

P_c 1254 P_c^2 1572516

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		538	289065	1283451
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2252$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1646$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,490$

RECEIVED
AUG 17 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow 1490 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .75

Remarks: Made 48 bbls oil & 2 bbls water in 3 hr.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. L. Moore	D. L. Moore	

NMOCD, AZTEC (2) - USGS, DURANGO (2) - BEA - FILE

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 8/2/79	
Company: Conoco Inc		Connection: None			
Pool: S. Blanco		Formation: Pictured Cliff		Unit	
Completion Date: 7/20/79	Total Depth: 6400		Plug Back TD: 6217	Elevation: 7247	Farm or Lease Name: AXI APACHE N
Csg. Size: 7.000 / Wt.: 23# / d: 6.366 / Set At: 4347			Perforations: From 3745' To 3790		Well No.: 15A
Tbg. Size: 1.315 / Wt.: 1.7# / d: 1.049 / Set At: 3765			Perforations: From open ended		Unit: O / Sec.: 11 / Twp.: 25N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual G.G.			Packer Set At: 5886'		County: Rio Arriba
Producing Thru: tbg	Reservoir Temp. °F: a	Mean Annual Temp. °F: 50°	Baro. Press. – P_a: 12.2		State: N. Mex.

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3730	3730	.690				3/4" choke nipple		

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						842	70°	842	70°	
1.	3/4" Choke Nipple		13.2		59°	122	59°	550	60°	3 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	11.00	N/A	134	1.001	1.204	N/A	1727
2.							
3							
4.							
5.							

NO.	P_r	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 Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 864 P_c^2 746496

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		588	345744	401140
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8609$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6954$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3012.7$

AUG 1 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow 3,012.7 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D.L. Moore	D.L. Moore	

✓NMOCD, AZTEC (2) - USGS, DURANGO (2) - BEA - FILE