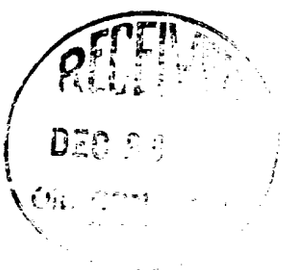
TABULATION OF DEVIATION TESTS
W. D. HEATH "A" NO. 12
AMOCO PRODUCTION COMPANY

DEPTH	DEVIATION
350'	3/4°
975'	1/2°
1179'	3/4°
2007'	1°



A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S W. D. Heath "A" No. 12 located 870' FNL & 830' FEL of Section 17, T-29-N, R-9-W, San Juan County, New Mexico

Signed J. Arnold Snell
Title Area Engineer

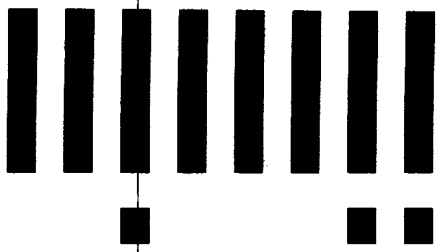
THE STATE OF NEW MEXICO)
) SS.
COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally appeared J. Arnold Snell known to me to be Area Engineer for Amoco Production Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 22nd day of December, 19 72.

Eleanor F. Brown
Notary Public

My Commission Expires: December 28, 1975



LTR

Job separation sheet

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-19-72	
Company: AMOCO PRODUCTION COMPANY			Connection: None		
Pool: Blanco			Formation: Pictured Cliffs		Unit
Completion Date: 12-12-72	Total Depth: 2400'		Plug Back TD: 2341'	Elevation: 5742' KB	Farm or Lease Name: W. D. Heath "A"
Csg. Size: 4.500 / Wt.: 9.5 / d: 4.050 / Set At: 2381			Perforations: From 2232 To 2264		Well No.: 12
Tbg. Size: 2.063" OD / Wt.: 3.25 / d: 1.751 / Set At: 2290			Perforations: From Open To Ended		Unit: A / Sec.: 17 / Twp.: 29N / Rge.: 9W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: --		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F: 60° Est.	Baro. Press. – P_a: 12 PSIA Est.		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65						

	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	7 Days				908		917		
1.	2" .750				142		287	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	12.3650		154	1.000	.9608	1.014	1855
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.
Critical Temperature _____ R _____ R

RECEIVED
DEC 26 1972
OIL CON. COM.
DIST. 3

P_c 929 P_c^2 863,041

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		299	89,401	773,640
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1156$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0974$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2036$

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. F. Elledge	Ellison/Calvin	J. Arnold Snell