

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-8-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 12-17-80		Total Depth 6359		Plug Back TD 6315	
Elevation 5669		Farm or Lease Name Gallegos Canyon Unit			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6359	Perforations: From 6072 To 6216	
Well No. 172E					
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6235	Perforations: From open To ended	
Unit N	Sec. 25	Twp. 29N	Rge. 13W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

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.	
SI	14 days						1286		1442	
1.	2.375	.750					281		589	3 hrs
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 F _g	Super. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		293	1.000	.9258	1.034	3468
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1454	P _c ² 2114116	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2061$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1509$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	601	361201	1752915
2			
3			
4			
5			

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3991$

3991

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

Approved By Commission	Conducted By JJB	Calculated By J. J. Barnett	Checked By LNE
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TABULATION OF DEVIATION TESTS
GALLEGOS CANYON UNIT #172E
AMOCO PRODUCTION COMPANY

<u>DEPTH</u>	<u>DEVIATION</u>
318	1/2
820	1/2
1298	1/2
1797	3/4
2295	3/4
2795	3/4
3075	1/2
3574	1/2
4108	1/2
4485	1/2
4988	3/4
5489	3/4
5779	1
6228	1 1/2
6359	1 1/2

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 GALLEGOS CANYON UNIT #172E
Sec. 25, T29N, R13W

Signed E. E. Svoboda
Title Dist. Admin. Supvr.

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

BEFORE ME, the undersigned authority, on this day personally appeared E. E. Svoboda known to me to be Dist. Admin. Supvr 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 30 day of January, 1981.

Eleanor P. Brown
Notary Public