

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

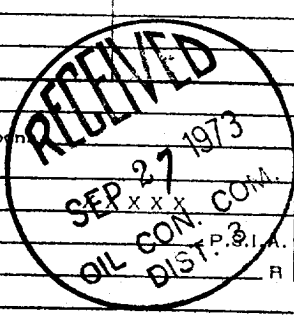
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-12-73			
Company Tenneco Oil Company				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date		Total Depth		Plug Back TD 6015		Elevation 6123 GL		Farm or Lease Name Gallegos	
Csg. Size 4 1/2	Wt. d	Set At 5732	Perforations: From 5808 To 5803		Well No. 1				
Tbg. Size 2 3/8	Wt. d	Set At 6050	Perforations: From To		Unit 29		Twp. 26		Rgs. 11
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 155 @ 5700		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover X	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							1486		1252	
1.	2 x 3/4						89	60	251	
2.										3 Hr.
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow O, Mcfd
1	12.3650		101	1.010	.9608	1.010	1224
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 Hydrocarbon	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	_____ P.S.I.A.
5.					Critical Temperature	_____ R



P _c 1498	P _c ² 2244004	
NO.	P _r ²	P _w
1	263	69169
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0318$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0238$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1253$$

Absolute Open Flow	1253	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: N. Tefteller	Checked By:
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WHEELER, INC.

RECORDS DEPARTMENT
MIDLAND, TEXAS

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File 2-5252-AOF

Company TENNECO OIL COMPANY
Field BASIN DAKOTA
Formation DAKOTA

Lease GALLEGOS
County SAN JUAN

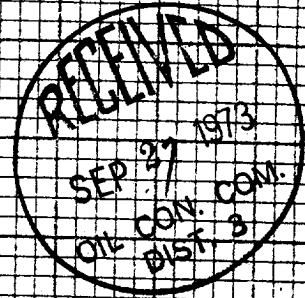
Well No. 1
State NEW MEXICO

Test Date AUGUST 12, 1973

Status of Well Shut in 73 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1488	
2000	1595	0.054
4000	1697	0.051
5100	1754	0.052
5400	1768	0.047
5700	1782	0.047
5819 Mid-Perf	1787	0.047

Datum Pressure Psig



PRESSURE POUNDS PER SQUARE INCH GAUGE

4000

3500

3000

2500

2000

1500

1000

500

0

DEPTH: FEET

Elev. 6123 KB Datum
Total Depth 6015 Perf. 5808-5830 Ft.
Tubing 2 1/2 in. to 5732 Ft.
Casing 4 1/2 in. to 6050 Ft.
Casing Press. 1252 Tubing Press. 4186
Oil Level Water Level
Temperature 155 °F @ 5700 Ft.
Element No. Range
Last Test Date
Pressure Last Test Date
B.H.P. Change Psi

Psig

7000

6000

5000

4000

3000

2000

1000

0