

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Undesignated P.C.				Formation Pictured Cliffs				County San Juan			
Initial X		Annual		Special		Date of Test 6-14-66					
Company Tenneco Oil Co.				Lease Hammer				Well No. 6			
Unit 0	Sec. 20	Twp. 29	Range 9		Purchaser						
Casing 3.5	Wt. 7.7	I.D. 3.068	Set at 2266		Perf. 2110		To 2162				
Tubing	Wt.	I.D.	Set at		Perf.		To				
Gas Pay:	From	To	L	G	GL	Bar. Press.					
				.650	1372	12.0					
Producing Through:		Casing X	Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single						
Date of Completion		Packer		Reservoir Temp. 98							
OBSERVED DATA											
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps			
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
1.		3/4						735		3 Hr.	
2.								23	60		
3.											
4.											
5.											
FLOW CALCULATIONS											
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia				
1.	12.3650		35	1.000	.9608		416				
2.											
3.											
4.											
5.											
PRESSURE CALCULATIONS											
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____						
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____						
F _c 3.055 (1-e ^{-S}) 0.095					P _c 747 P _c ² 558009						
No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w DIST. $\frac{P_c - P_w}{P_c}$			
1.	35	1225	1271	1615	153	1378	556631				
2.											
3.											
4.											
5.											



ABSOLUTE POTENTIAL: **417** MCFPD: n **.85** **1.0021**

COMPANY **Tenneco Oil Company** WITNESSED _____

ADDRESS **P. O. Box 1714, Durango, Colorado** COMPANY _____

AGENT AND TITLE **J. E. Massey**
District Production Engineer

Company TENNECO OIL COMPANY Lease HAMNER Well No. 6
 Field UNDESIGNATED PICTURED CLIFFS County SAN JUAN State NEW MEXICO
 Formation PICTURED CLIFFS Test Date JUNE 14, 1966

Status of Well **Shut in 7 days**

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	735	
1000	756	0.021
1735	771	0.021
1935	775	0.020
2135	779	0.020

Datum Pressure _____ Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

1600
1400
1200
1000
800
600
400
200
0

0 500 1000 1500 2000 2500 3000 3500
DEPTH FEET

* 735-23

Elev.	Datum	Ft.
Total Depth	Ref. 2110-2162	Ft.
Tubing	Int. to	Ft.
Casing 3 1/2	Int. to 2266	Ft.
Casing Press. *	Tubing Press	
Oil Level	Water Level	
Temperature 98	Depth 2135	Ft.
Element No.	Range	
Last Test Date		
Pressure Last Test Date		Psig
B.H.P. Change		Psi

