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: 2-9-81	
Company: Consolidated Oil & Gas, Inc.			Connection:		
Pool: Basin Dakota			Formation: Dakota		Unit:
Completion Date	Total Depth		Plug Back TD	Elevation	Farm or Lease Name: Navajo
Csg. Size: 5 1/2 / Wt.: 15.5 / d: 4.950 / Set At: 6875			Perforations: From 6458 To 6650		Well No.: 2-E
Tbg. Size: 1 1/2 / Wt.: 2.9 / d: 1.610 / Set At: 6616			Perforations: From To		Unit: C / Sec.: 11 / Twp.: 25 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 166 @ 6554		Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650 est.				6" 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	9 days				1493		1517		
1.	2 X 3/4				318	60	1109		3 hours
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		330	1.000	1.240	1.035	4658.7
2.							
3.							
4.							
5.							

NO.	P_t	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 1529 P_c^2 2337.8

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1121	1256.6	1081.2
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1622$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.7830$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 8306.5$

Absolute Open Flow 8306.5 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Cecil McKenzie	Neil Tefteller	

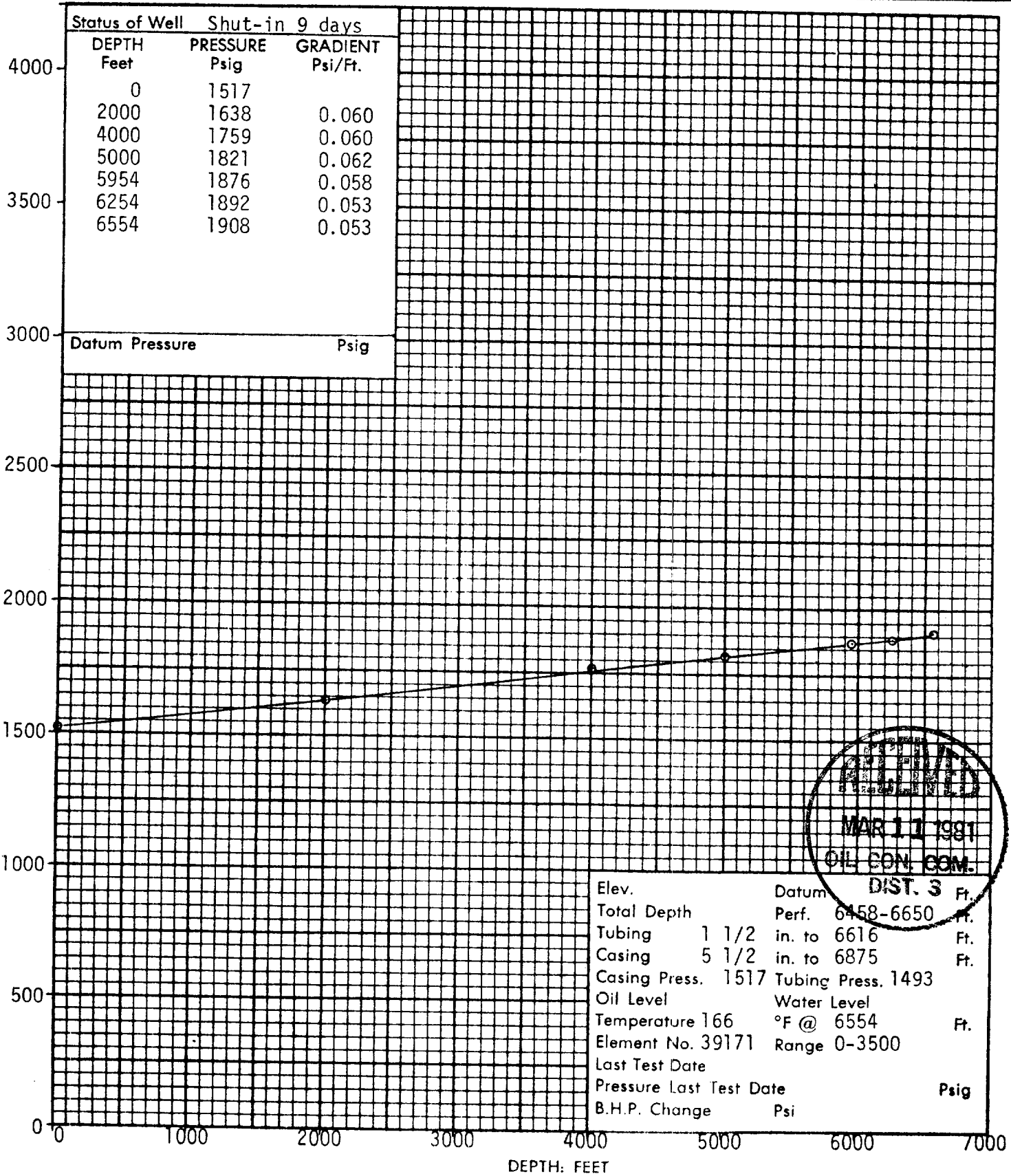
EFTELLER, INC.
reservoir engineering data
MIDLAND, TEXAS

Company CONSOLIDATED OIL & GAS, INC. Lease NAVAJO Well No. 2-E
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date FEBRUARY 9, 1981

Status of Well Shut-in 9 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1517	
2000	1638	0.060
4000	1759	0.060
5000	1821	0.062
5954	1876	0.058
6254	1892	0.053
6554	1908	0.053

Datum Pressure Psig



RECEIVED
MAR 11 1981
OIL CON. COM.
DIST. 3

Elev.		Datum	Ft.
Total Depth		Perf. 6458-6650	Ft.
Tubing	1 1/2	in. to 6616	Ft.
Casing	5 1/2	in. to 6875	Ft.
Casing Press.	1517	Tubing Press. 1493	
Oil Level		Water Level	
Temperature	166	°F @ 6554	Ft.
Element No.	39171	Range 0-3500	
Last Test Date			
Pressure Last Test Date			Psig
B.H.P. Change		Psi	