

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 12-15-80	
Company Consolidated Oil & Gas, Inc.				Connection	
Pool Dakota				Unit	
Completion Date 12-6-80		Total Depth 6582		Plug Back TL 6551	
				Elevation 6747 GR	
Csg. Size 5 1/2		Wt. 15.5		Set At 4.950	
Tbg. Size 1 1/2		Wt. 2.9		Set At 1.610	
				6480	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing				Baro. Press. - P _a 12.0	
Reservoir Temp. °F @				Mean Annual Temp. °F	
L				H	
Gg .650				% CO ₂	
				% N ₂	
				% H ₂ S	
				Prover 6" nipple	
				Meter Run	
				Taps	
FARM OR LEASE NAME Ladd					
WELL NO. 1-E					
UNIT SEC. TWP. RGE. G 19 25 9					
COUNTY San Juan					
STATE New Mexico					

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	9 days						1070		1075	
1.	2" X 3/4"						98	60	791	
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		110	1.000	1.240	1.011	1517
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	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		803	645	
2				
3				
4				
5				

P_c 1087 P_c² 1182

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8326$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5750$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2389$

Absolute Open Flow	2389	Mcf @ 15.025	Angle of Slope °	Slope, n .75
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Remarks:			

Approved By Commission:	Conducted By: Vernon Nelson	Calculated By: Neil Tefteller	Checked By:
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TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well: LADD NO. 1-E

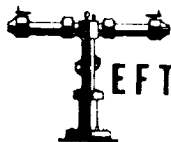
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Field: BASIN DAKOTA

File 2-11233-AOF

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

1980 Date	Status of Well	Time	Elapsed Time Hrs.Min.	Daily Rate Gas MCF/D	Wellhead Pressure Tbg Csg	BHP @ 6450' Psig
12-15	Arrived on location					
"	Shut in 9 days	10:30				
"	BHP gradient traverse	11:30				
"	Open well 2" X 3/4" choke	12:00	0 00		1070 1075	1323
"	"	12:15	0 15			
"	Heavy mist	12:30	0 30		210 881	
"	"	12:45	0 45		124 833	
"	"	13:00	1 00		108 815	
"	"	13:30	1 30		122 821	
"	"	14:00	2 00		103 811	
"	"	14:30	2 30		102 806	
"	"	15:00	3 00	1517	101 798	
					98 791	



EFTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS

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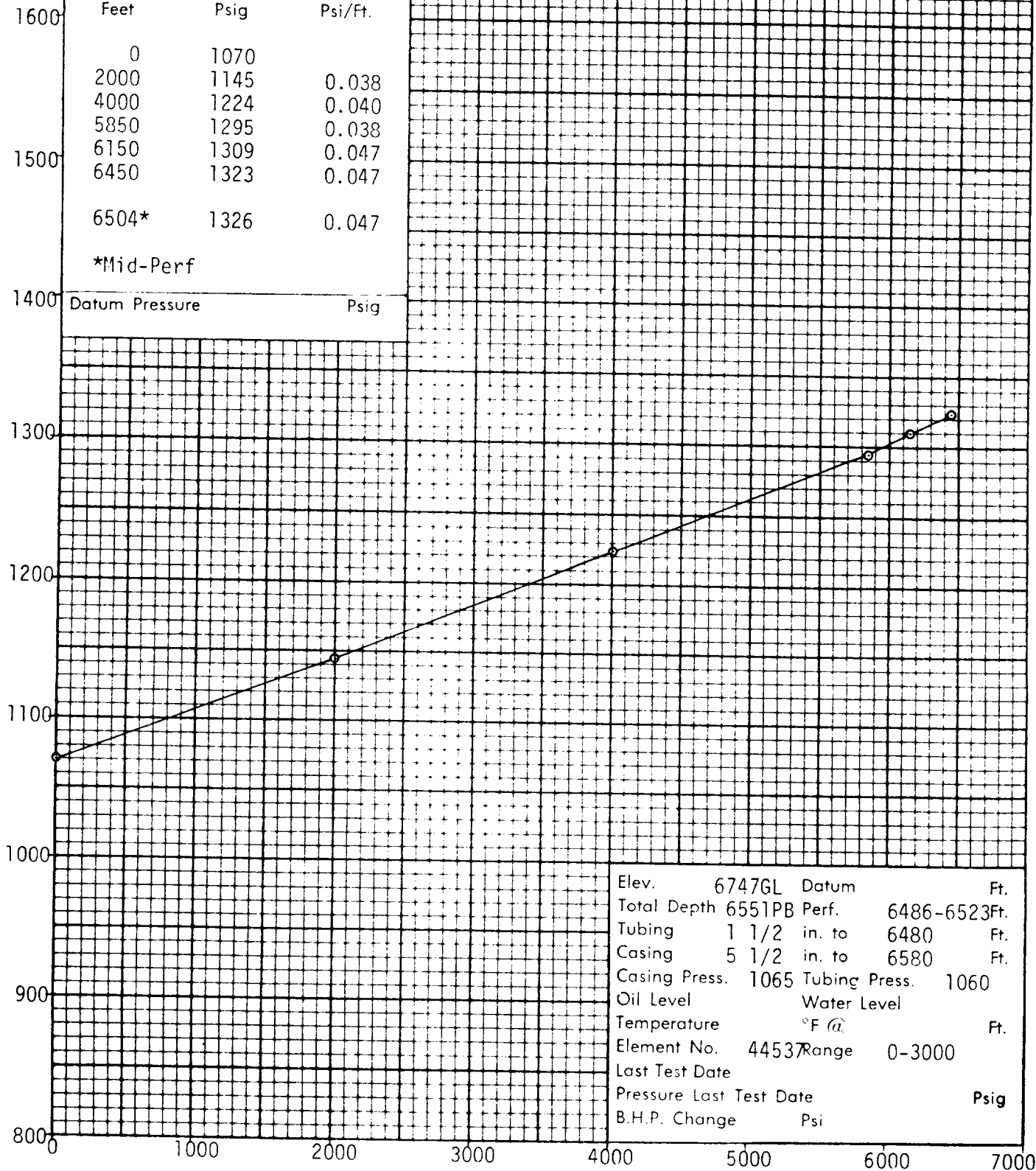
Company CONSOLIDATED OIL & GAS, INC. Lease LADD Well No. 1-E
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date DECEMBER 15, 1980

Status of Well Shut-in 9 days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	1070	
2000	1145	0.038
4000	1224	0.040
5850	1295	0.038
6150	1309	0.047
6450	1323	0.047
6504*	1326	0.047

*Mid-Perf

Datum Pressure Psig



Elev. 6747GL Datum Ft.
Total Depth 6551PB Perf. 6486-6523Ft.
Tubing 1 1/2 in. to 6480 Ft.
Casing 5 1/2 in. to 6580 Ft.
Casing Press. 1065 Tubing Press. 1060
Oil Level Water Level
Temperature °F @ Ft.
Element No. 4453 Range 0-3000
Last Test Date
Pressure Last Test Date Psig
B.H.P. Change Psi