

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

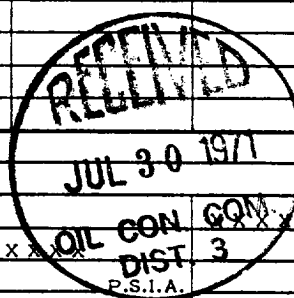
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date July 15, 1971	
Company Tenneco Oil Co.				Connection		
Pool				Formation Dakota "D"		Unit
Completion Date		Total Depth 2833'		Plug Back TD		Elevation 7074'
Farm or Lease Name Hospah		Well No. 44				
Csg. Size 5 1/2	Wt. 155	d	Set At 2827	Perforations: From 2772 To 2799		Unit Sec. Twp. Rge. P 12 17N 9W
Tbg. Size 2 7/8	Wt.	d	Set At 2827	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County McKinley
Producing Thru Tbg		Reservoir Temp. °F 106 2785		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

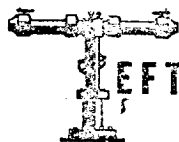
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							748		800	
1.							26	60	39	
2.										
3.										
4.										
5.										

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	12.3650		38	1.000	.9608		458
2.							
3.							
4.							
5.							

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

$P_c = 812$ $P_c^2 = 6593444$						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0039$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0029$
1		51	2601	656743		
2						
3						
4						
5						

Absolute Open Flow <u>459</u> Mcfd @ 15.025 Angle of Slope θ _____ Slope, n <u>.75</u>			
Remarks: _____			
Approved By Commission: _____ Conducted By: _____ Calculated By: <u>Neil Tefteller</u> Checked By: _____			



LEFFELLER, INC.

reservoir engineering data

MIDLAND, TEXAS

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File 2-4305-A0F

Company TENNECO OIL CO. Lease HOSPAH Well No. 44
 Field LONE PINE "D" DAKOTA County MC KINLEY State NEW MEXICO
 Formation DAKOTA Test Date JULY 15, 1971

Status of Well Shut in 12 Days

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	748	
800	768	0.025
1600	788	0.025
2000	798	0.025
2400	809	0.028
2785	866	0.148
2824 Datum	883	0.435

Datum Pressure Psig

PRESSURE POUNDS PER SQUARE INCH GAUGE

