

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 11-11-73			
Company Tenneco Oil Company				Connection					
Pool Basin Dakota				Formation Dakota				Unit	
Completion Date		Total Depth		Plug Back TD 6392		Elevation 6549.5KB		Farm or Lease Name Hanson	
Csg. Size 5 1/2	Wt. d	Set At	Perforations: From 6319 To 6352			Well No. 1			
Tbg. Size 2 7/8	Wt. d	Set At 6202	Perforations: From To			Unit Sec. Twp. Rge. 6 25 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Packer Set At		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F @		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

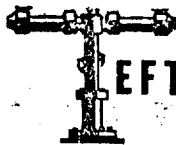
FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							2055		2111		7
1.	2	X	3/4				527	60	864		3 hrs
2.											
3.											
4.											
5.											

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		539	1.0000	0.9608	1.050	6776
2.							
3.							
4.							
5.							

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

P _c 2123	P _c ² 4507129	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2052$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1502$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7794$
1		876	767376	3739753	
2					
3					
4					
5					

Absolute Open Flow 7794 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			
Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: N. Tefteller	Checked By:



EFTELLER, INC.

reservoir engineering data
MIDLAND, TEXAS

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File 1A-5357-AOF

Company TENNECO OIL COMPANY Lease HANSON Well No 1
Field BASIN DAKOTA County SAN JUAN State NEW MEXICO
Formation DAKOTA Test Date NOVEMBER 11, 1973

Status of Well Shut in

DEPTH Feet	PRESSURE Psig	GRADIENT Psi/Ft.
0	2055	
2000	2184	0.064
4000	2337	0.077
5735	2465	0.074
6035	2490	0.083
6335	2514	0.080

Datum Pressure Psig

2500

2000

1500

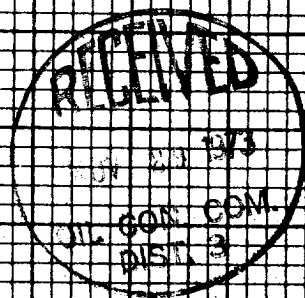
1000

500

0

0 1000 2000 3000 4000 5000 6000 7000
DEPTH: FEET

Elev. 6549.5 KB Datum Ft.
Total Depth 6392 Perf. 6319-52 Ft.
Tubing 2 7/8 in. to 6202 Ft.
Casing in. to Ft.
Casing Press. 2111 Tubing Press. 2055
Oil Level Water Level
Temperature 163 °F @ 6335 Ft.
Element No. 14297N Range 0-5400
Last Test Date
Pressure Last Test Date Psig
B.H.P. Change Psi



PRESSURE POUNDS PER SQUARE INCH GAUGE