

WELL SUMMARY REPORT
 (Submit in duplicate)

Operator Northwestern Oil Inc. Field Hay Creek Ranch
 Well No. Morrow 1 SW1/4 Sec. 18, T 12S, R 15E, WM W. B. & M.
 Location 700'N & 900'E from SW corner Elevation above sea level 3600' feet

All depth measurements taken from top of _____, which is _____ feet above ground

In compliance with the rules and regulations pursuant to ORS 520 (Chapter 667 OL 1953) the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date 1952 Signed A. R. Morris
 _____ Title President
 Engineer or Geologist Superintendent (President, Secretary or Agent)

Commenced drilling 1952 Completed drilling 1967 Drilling tools Cable Rotary
 Total depth 3300' Plugged depth 0 GEOLOGICAL MARKERS DEPTH
 Junk _____ Clarno Fm. 0-2420'
 _____ Pre-Test seds 2420-3300'

Commenced producing _____ Date _____ Flowing/gas lift/pumping (cross out unnecessary words)

	Clean oil bbl. per day	Gravity Clean oil	Percent water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production						
Production after 30 days						

CASING RECORD (Present Hole)

Size of casing (A.P.L)	Depth of shoe	Top of casing	Weight of casing	New or second hand	Seamless or Lapweld	Grade of casing	Size of hole drilled	No. of sacks of cement	Depth of cementing if through perforations
8"	543	0	22	S.H.	Spiral weld		12"	?	
7 7/8"	hole to total depth								

PERFORATIONS

Size of casing	From	To	Size of perforations	Number of rows	Distance between centers	Method of perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				