

ROTARY DRILLERS LOG

Operator: The Derby Oil Company
Contractor: The E. K. Carey Drilling Co., Inc.

Elevation: 5510 D.F.
Elevation: 4502 G.L.

W. A. Johnson Well No. 1
C SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ 20-12N-52W
Logan County, Colorado

100442

Date Commenced: 6-16-51
Date Spudded: 6-19-51
Date Completed: 7-8-51

Tops:
Niobrara 4286
Muddy 5086
Dakota 5206
Lakota 5459
Morrison 5561

Figures Indicate Bottom of Formations

50	Sand	4994	Shale & lime
120	Shale & sand	5050	Sandy shale
190	Shale	5075	Shale
785	Shale & sand	5144	Sand & shale
3120	Shale	5200	Shale
3160	Shale & shells	5273	Shale & sand
4285	Shale	5306	Shale
4500	Niobrara & shale	5337	Sand & shale
4575	Shale	5455	Shale
4705	Lime	5464	Sand & shale
4715	Lime & shale	5494	Sand
4765	Shale & sand	5504	Shale & sand
4798	Shale	5553	Sand
4812	Hard lime	5610	Shale & sand
4845	Shale	5610	T.D.
4868	Sand & lime		Well Status - D. & A.

CASING RECORD

Surface Casing: 195.23' 10-3/4" casing, cemented with 185 sacks Regular Ideal Cement.

I hereby certify that to the best of my knowledge, the above is a true and correct log of the drilling of W. A. Johnson No. 1 Well.

THE E. K. CAREY DRILLING CO., INC.


President