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#3¹ CHRISTIANSEN

Sec. 22 - T3S - R50W

Washington County, Colorado

H. C. Allen, Jr.
Petroleum Geologist



BIT RECORD

<u>Run No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
1	7-7/8	STC	DTJ	2649	2374	13-3/4
2	7-7/8	STC	DT2	3928	1289	19-3/4

REMARKS:

After a favorable evaluation of the structural position of the J Sand, the drill cuttings and the electric log, the decision was made to run pipe.

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ELECTRIC LOG FORMATION TOPS

<u>Formation</u>	<u>Log Top</u>	<u>Datum</u>
Niobrara	2888	
Ft. Hays	3386	
Carlile	3421	
Greenhorn	3550	
Bentonite	3742	+803
D Sand	3826	+719
J Sand	3877	+768
Total Depths	3929	Drillers 3930





WELL	#3 Christiansen
OPERATOR	Art Skaer
CONTRACTOR	Allison Drig. Co., Rig #2
LOCATION	600' FWL & 330' FSL of Sec. 22, T3S, R50W
COUNTY	Washington
STATE	Colorado
FIELD	Pod
ELEVATIONS	4539' Ground 4545' K.B.
✓ COMMENCED	✓ March 19, 1976
CASING	Set 265' of 8-5/8" from K.B. w/200 sacks
CORES	None
DST'S	None
LOGS	Go-International, IES
✓ COMPLETED DRG.	✓ March 22, 1976
STATUS	Running Completion Pipe



SAMPLE DESCRIPTION

- 3769 - 3826 Shale, dark grey, soft, bentonitic w/siltstone and bentonite streaks.
- 3826 - 3838 Siltstone, light grey to white, carbonaceous specs w/thin black shale interbeds.
- 3838 - 3843 Sand, grey to white, fine grained, some clay-filling, soft and friable, poor porosity, looks wet, no visible oil stain or flor.
- 3843 - 3877 Siltstone, dark grey, sandy in part w/black shale and brown lime strks.
- 3877 - 3885 Sand, grey-tan, fine to med. grn., from very slightly to medium clay cemented, friable, fair porosity, lite uniform oil stain, good live yellow flor. and live yellow cut and globules of free oil on fresh break.
- 3887 - 3894 Sd grey-tan, fine to med. grn., slight to medium clay filling, friable, fair porosity, lite uniform oil stain, good flor. and cut and globules of free oil on fresh break - with 30% of total sand clusters, white, clay filled, friable water sand with no stain, flor. or cut.
- 3894 - 3912 Sand, white, fine grn from slight to heavily clay cemented, medium hard, sli glauconitic, occ. thin black shale interbed, looks water wet, no show of oil or gas.
- 3912 - 3930 Sd, grey-white, very fine grn, clay filled and friable, numerous black shale streaks, poor por., no stain or flor.



A. T. SKAER

620 PATTERSON BUILDING

DENVER, COLORADO 80202

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CHRISTIANSON NO. 3-A

600 Ft. from West Line and 330 Ft. from South Line (SW SW)

Section 22, T.3S, R.50W

Washington County, Colorado

TO WHOM IT MAY CONCERN:

The No. 1 Christianson Well located 710 Ft. from West Line and 680 Ft. from South Line became uneconomical to produce due to 210 ft. of 2" tubing sanded in the bottom of the hole, and the fluid flow thru the 2" tubing was insufficient to make five (5) to seven (7) barrels of oil per day using a submersible Reda Pump. The well was shut down February 4, 1976 and permission requested and received from Gulf Energy & Minerals Co.-U. S. to drill a new well on our lease 330 Ft. north of their lease line in Section 27, T.3S, R.50W. We moved Allison Drilling Company rig onto the location and drilled the Christianson No. 3-A to a total depth of 3,929 Ft. The well was logged on March 22, 1976, and casing was run and cemented on March 22, 1976.

Moved completion rig onto location April 13, 1976. Ran Schlumberger Continuous Directional Log. Oil Well Perforators perforated casing April 13, 1976, and we proceeded to swab well and put on production April 16, 1976. The pump cut out with sand April 17, 1976. We moved Baney Well Service, Inc., rig onto location May 4, 1976, and pulled the Reda Pump. We swabbed sand and fluid through May 6, 1976. Ran repaired Reda Pump in the well on May 7, 1976 and put the well to pumping. The well tested 750 bbls. total fluid of which 25 bbls. was oil on May 8, 1976. The well is making 25 bbls. of oil per day as of June 14, 1976. New well completed.


A. T. Skaer