

WELLBORE SKETCH

The wellbore sketch illustrates the vertical profile of the well. It shows a central tubing string surrounded by casing. Key features include:

- Casing:** 20" diameter at the top, transitioning to 13-3/8" and then 8-5/8".
- Tubing:** 4-1/2" diameter at the bottom.
- Packer:** A Weatherford Arrowset 1-X retrievable production packer is located at 8780' TD.
- Perforations:** Indicated by horizontal lines across the casing wall.
- Depth Markers:** 345', 1632', and 8780' are marked on the left side.
- Bottom Hole Assembly (BHA):** Located at the bottom of the well, around 8780' TD.

EQUIPMENT DESCRIPTION

O D

I D

LENGTH

DEPTH
TVD

DEPTH
MD

Squeeze Holes at 6490' (Circulated cement to surface with 1250 sacks)

TOC @ 6540' CBL

Weatherford Type T-2 On-Off Tool w/ "F" Profile Nipple

1.995

7,879.00

7,879.00

Weatherford Arrowset 1-X Retrievable Production Packer

1.995

7,880.00

7,880.00

10' x 2-3/8", J-55, EUE 8rd Pup Joint

2.375

1.995

7,886.00

7,886.00

Wireline Reentry Guide

2.375

1.995

7,896.00

7,896.00

PENN CARBONATE

Perforations: 7926' - 7932' (6' @ 4 spf)

7994' - 8003' (9' @ 4 spf)

35' Cement Plug

4-1/2" CIBP

4.500

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8,400.00

8,400.00

MORROW (ATOKA) SAND

Perforations: 8438' - 8446' (8' @ 1 spf)

8578' - 8583' (5' @ 1 spf)

8600' - 8602' (2' @ 1 spf)

15 Holes at EHD=0.38"

COMMENTS:

Drilled to TD 11/29/77

API # 30-015-22307

Completed 12/08/77

13-3/8" cemented with 350 sacks

8-5/8" cemented with 675 sacks (did not circulate cement to surface)

4-1/2" cemented with 730 sacks

PLUG BACK DEPTH:

8,714.00

8,714.00

TOTAL WELL DEPTH:

8,780.00

8,780.00

PREPARED BY:

ENOS J. FANGUE

DATE:

June 14, 2002

DRAWING NOT TO SCALE