

ELSMORE WEST FIELD

Ard, No. 5-A

WELL DATA:

Elevation: 991.2'
Casing: Set 21.34' of 7" Surface Casing
761.96' of 2 3/8" 11½ rd L.P.
T.D.: 770' (Driller) 748.5' (PBTD)
Seating Nipple @ 694.60'

November 14, 1980:

Immediately upon coring, Ard, No. 5-A began flowing. The original drilling fluid was fresh water from Big Creek. The following analysis was performed for investigation:

Cond	2,300
"M"alk	464
Cl	1,064

The nearest injection well, Ard, No. W-1, was shut off and surface flow stopped within one hour. Ard, No. W-1 was drilled and completed by James E. Russell Petroleum, Inc.

December 4, 1980:

With TOP Wireline Services, tagged bottom at 748.5'. Ran GR/N log. Using 1 11/16" O.D. Alum. jets, perforated from 711' to 721' and from 726' to 730', 16 shots total.

Rigged up Splane well servicing unit and company wash equipment. Ran a string of 1" 10rd and washed out to a T.D. of 748'. Spotted 15 gallons acid on perforations @ 730'. Displaced out of the 1" and pulled out 1".

December 5, 1980:

Using Oil Services, Inc., gelled 150 bbls. of salt water with 100 lbs. gel. Treated well with 2400 lbs. of sand and 50 lbs. of salt in 60 bbls. of water, including 10 bbls. Flush as follows:

Breakdown Pressure: 1300 PSI

Pressured acid into formation at 1000 PSI

Treated with 1000 lbs. fine sand, 200 lbs. coarse sand, 50 lbs. salt, followed by 1000 lbs. fine sand and 200 lbs. of coarse sand.

Treatment pressures were 900, 1300, 800, respectively.

Average treating rate: 12 bbls./minute
Sand concentration: 1.14 lbs./gallon
Instant shut-in pressure: 400 PSI

December 29, 1980:

Pumping a full head; 70 bbls. water, slight scum of oil on top.

December 30, 1980:

63 bbls. water; trace of oil

December 31, 1980:

49 bbls. water; trace of oil

January 1, 1981:

Pumping a 5" head; 49 bbls. water, trace of oil.

January 2, 1981:

32 bbls. water; trace of oil

January 5, 1981:

31 bbls. water; trace of oil

January 6, 1981:

29 bbls. water; trace of oil

January 7, 1981:

27 bbls. water; trace of oil

January 8, 1981:

27 bbls. water; trace of oil

January 9, 1981: