

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

- NMOCC

NORTHEAST HAYNES NO. 3
REPAIR CASING LEAK

RECEIVED
APR 02 1984
OIL CON. DIV.
DIST. 3

WELL DATA:

TD: 6905' PBSD: 6877' ELEV: 6673' ZERO: 14' AGL

LOCATION: 990' FSL & 990' FEL of Section 16, T-24N, R-5W, Rio Arriba County, NM

CASING: 8-5/8", 24#, J-55 @ +310' w/180 sxs. (circ.)
5-1/2", 14# & 15.5#, J-55 @ +6905' w/160 sxs. + 85 ft³ stratocrete. DV
Tool @ +4795' 2nd stage: 175 sxs. + 175 ft³ stratocrete

NOTE: (14#: 0' - 5496'; 15.5#: 5496' - 6905')

TUBING: 213 jts. 1-1/4 I.J. 10rd tbg @ 6797'

PERFORATIONS: Gallup - 5658'-68', 5676'-5700', 5725'-48', 5752'-60', 5766'-76',
5818'-81'
Dakota - 6838' and 6848' w/one radial jet shot

MISCELLANEOUS: Pin collar, swab and jar in bottom of hole. (Top of Fish: Unknown)

RECOMMENDED PROCEDURE:

1. Rig up pulling unit and kill well w/2% KCl TFW and 1 gal Adomall/1000 gals. if necessary.
 - A. N.D. wellhead and N.U. BOP (wellhead connection: 6" - 900 series).
 - B. POOH w/1-1/4" I.J. tubing and tally.
2. GIH w/4-3/4" bit, casing scraper, & 2-3/8" tbg. (Csg ID = 4.950, DID = 4.825)
 - A. Tag for fill & clean out to +6690' w/reverse unit.
3. GIH w/5-1/2" Model "C" retrievable bridge plug, Model "H" washover retrieving head, 5-1/2" Model "EA" retrievematic cementer, & 2-3/8" tbg.
 - A. Set 5-1/2" Model "C" retrievable bridge plug @ +5400'.
 - B. Set 5-1/2" Model "EA" retrievematic cementer @ +5300'.
 - C. Pressure test bridge plug & pkr to +2000 psi.
4. Pressure test csg to 1000 psi w/bridge plug & pkr until casing leaks are isolated (80% of csg burst rating is 3416 psi).
 - A. Set bridge plug +600' below bottom hole & dump 100 lbs sand down csg (approx. 7').
 - B. Set pkr approx. 210' above top hole.
 - C. Pressure backside to +1000 psi.
 - D. Contact Dixie Haynes when leaks are located for cement squeeze procedure.

NOTE:

Lead - 100 sxs Class "B" light (65-35 Pozmix & 6% gel) mixed @ 12.3 lbs/gal & 1.84 ft³/sxs + 1/4 #/sx celloflakes + 6% fluid loss additive (Halad-9 or equiv.).

Tail - 100 sxs Class "H" thixotropic cement (10% gyp & 2% CaCl₂) mixed @ 14.6 lbs/gal. Pump time - 2 hrs 8 min @ 95°F, compressive strength 1295 psi in 24 hrs.

5. Shut in for 24 hrs.

NORTHEAST HAYNES NO. 3

Repair Casing Leak

Page 2

6. POOH w/2-3/8" tbg & retrievable pkr.
 - A. GIH w/4-3/4" bit, 4 - 3-1/2" drill collars, & 2-3/8" tbg.
 - B. Drill out cmt & circ hole clean.
 - C. Pressure test csg to +1000 psi for 15 min.
 1. If test fails, re-squeeze.
7. POOH w/2-3/8" tbg, 4 - 3-1/2" drill collars, & 4-3/4" bit.
 - A. GIH w/Model "H" washover retrieving tool & 2-3/8" tbg.
 - B. Circulate sand off top of bridge plug.
 - C. Release bridge plug & POOH w/2-3/8" tbg, retrieving tool, & bridge plug.
8. GIH w/213 jts 1-1/4" IJ tbg & seating nipple.
 - A. Set 1-1/4" tbg @ +6797'.
 - B. N.D. BOP & N.U. wellhead.
 - C. Swab well to flow & place on production.
9. If well does not flow, contact Dixie Haymes.

ENGINEER

DATE

SUPERVISING PRODUCTION ENGINEER

DATE

DIVISION ENGINEER

DATE

PRODUCTION SUPERINTENDENT

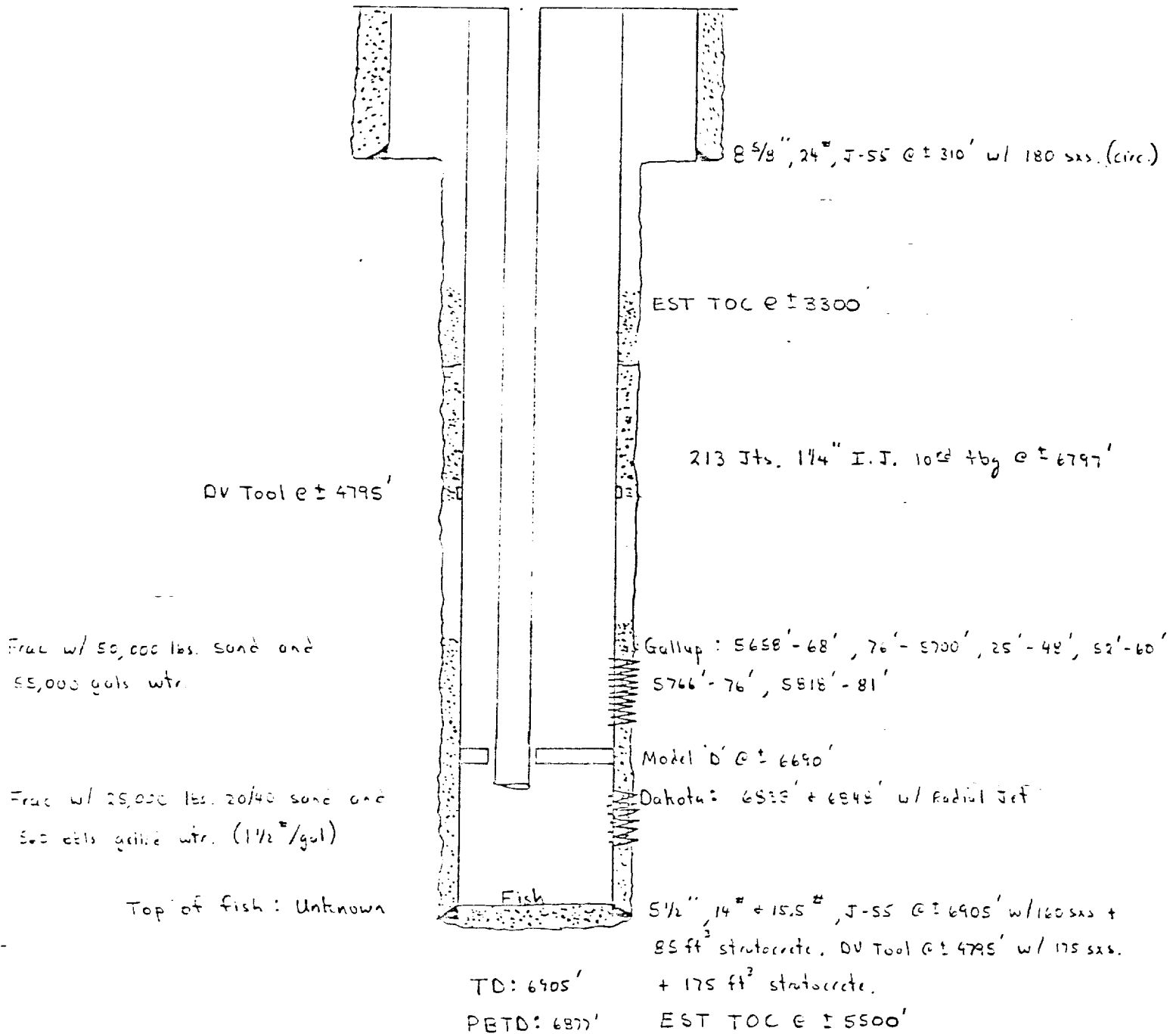
DATE

RDH:mjs

Northeast Hugues No. 3

Elev : 6673'
Zero : 14' AGL

990' FSL + 990' FEL
Sec 16, T24N, R5W



Note: Pin collar, Swab and jar in bottom of hole.