

ARCO PERMIAN
SOUTH EAST NEW MEXICO ASSET GROUP
CONDITION OF HOLE & PROCEDURE
LOWER BRUSHY COMPLETION

DATE: Monday, June 09, 1997

FIELD:

LOCATION: 1980' FSL & 660' FEL (I)
SEC. 02, T-23S, R-31E
Eddy County, New Mexico

LSE/UNIT: Barclay State No. 1

API: 30-015-25534

WELL NO. 1

CONDITION OF HOLE:

ETD or TOTAL DEPTH: 15,136' **PBTD:** 14,030' **K.B. DATUM IS** 3485'
G.L. DATUM IS 3459'

CASING RECORD: 13-3/8" @ 743' w/700 sx cmt (TOC @ surface - circulated)
10-3/4" @ 4,466' w/1750 sx cmt (TOC @ surface - circulated)
7-5/8" @ 12,600' w/2250 sx cmt (TOC @ 5500' - T.S.)
4-1/2" liner 12,333' to 15,136' w/500 sx cmt (circulate to liner top)

PERFORATIONS: 13,974'-982' (4 spf - open)
14,062'-466' (121 holes - CIBP @ 14,050' & cmt to 14,030')
14,816'-15,068' (56 holes - CIBP @ 14,610' & cmt to 14,590')

PROCEDURE:

- 1) Kill well and POH w/2-3/8" tbg.
- 2) RU WLU & RIH with WL set CIBP thru 4" bore Otis "WD" pkr and set CIBP in 4-1/2" liner @ $\pm 13,950'$. RIH w/dump bailer and dump 35' Class "H" cmt plug on top of CIBP (BHT: 196°F. at 15,136'). POH & RD WLU.
- 3) RIH w/Open Ended 2-3/8" tbg w/slim-hole collars on bottom 4 jts, set EOT @ $\pm 12,380'$ (EOT must be a minimum of 50' below liner top @ 12,333').
- 4) Pump a cement plug across liner top to the above of the permanent packer @ 12,275'. Circulate tbg clean and POH w/tbg. Pressure test csg. to 500 psi.
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5) RU WLU, RIH and run CBL from $\pm 8,400'$ to 4000'.

* 100' cement plug across Wolfcamp @ 11640'.