



Amoco Production Company

ENGINEERING CHART

SHEET NO.

OF

FILE

APPN

DATE 9/1/82

BY MSU

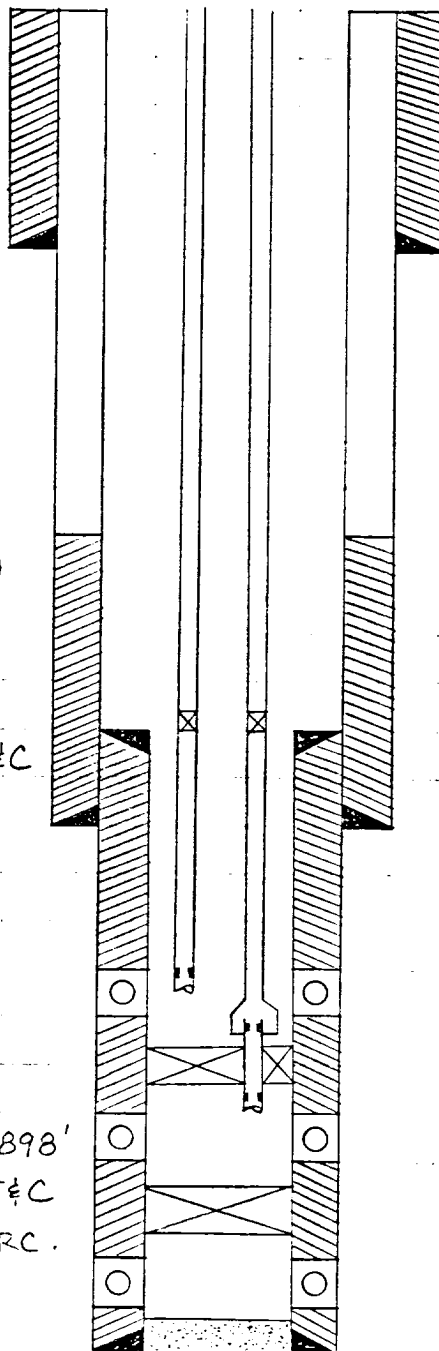
SUBJECT M^cQUATTERS NO. 4

HARDY BLINEBRY - DRINKARD

860' FNL & 810' FEL, UNIT A, SEC. 11, T-21-S, R-36-E
LEA COUNTY, NEW MEXICO

COMPLETED: 5/9/80

ELEV: 3533' G.L.

11 $\frac{3}{4}$ " CSA 1275'
42# K-55 ST & C
CMT. W/ 1100 SXS. CIRC
15" HOLETCMT 3970'
(PER TEMP. SURVEY)8 $\frac{5}{8}$ " CSA 5091'
24# & 32# K-55 ST & C
CMT. W/ 2800 SXS.
11" HOLE5 $\frac{1}{2}$ " LINER 4895'-6898'
14# & 15.5# K-55 ST & C
CMT W/ 425 SXS. CIRC.
7 $\frac{7}{8}$ " HOLESHORT STRING (BLINEBRY)
2 $\frac{3}{8}$ ", 4.7# J-55 TBG. W/
X-OVER TO 2 $\frac{1}{16}$ ", 3.25#
J-55 TBG. AND 1.50"
SEATING NIPPLE @ 6307'LONG STRING (DRINKARD)
2 $\frac{3}{8}$ ", 4.7# J-55 TBG. W/
X-OVER TO 2 $\frac{1}{16}$ ", 3.25#
J-55 TBG. AND 1.50"
SEATING NIPPLE @ 6451'GUIBERSON UNI-VI PKR.
@ 6442' W/ ON-OFF TOOL
AND 1.625" "F" NIPPLE
PERFS: 5706'-6308' (GROSS)
W/ 2 JS PFPERFS: 6494'-6802' (GROSS)
W/ 2 JS PF

RBP SA 6757'

PERFS: 6830'-6854' (GROSS)
W/ 4 JS PF

TD: 6900'

PBD: 6870'

1.715'

McQuatters #4
Well History

Cement History

- 08/02/79: Set 11 3/4"-42#, K-5 ST&C casing in a 15" hole at 1275'. Cement w/950 sx Class C w/3% Econolite and 6# salt. Followed by 150 sx Class C w/2% Calcium Chloride. Circ. 250 sx.
- 08/15/79: Set 8 5/8"-32# & 24# K-55 ST&C casing at 5091' in a 11" hole. Cmt w/600 sx Halliburton Light, 400 sx Thikset, 1700 sx Halliburton Light and 100 sx Class C. Cmt did not circ. Top found at 3970' (per temp. survey).
- 08/27/79: Set 5 1/2"-14# & 15.5#, K-55 ST&C liner from 4895'-6898' in a 7 7/8" hole. Cmt'd w/425 sx Class C with 3/10 of 1% Halad and 3/10 of 1% CFR-2. Circ. Top of cmt at 4300'. Drilled 595' cmt to top of liner at 4895.
- TD - 6900'
PBD - 6870'

Initial Completion:

- 09/07/79: Perforate Drinkard from 6830'-35', 6837'-41', 6843'-47', 6848'-54' w/4 JSPF. Spot 75 gallons acid. Acidize w/2200 gal 15% NE acid. Retrievable BP run on wireline & set @ 6825' and top w/10' sd. Perf. Drinkard 6598'-6604', 6730'-36', 6778'-83', 6796'-6802' w/2 JSPF. Spot 100 gals 15% NE acid across perfs. Acd w/3500 gals 15% NE acid. Circ. sd off bridge plug & pull plug.
- 09/28/79: Set pumping unit. Rods & pump pulled 11/05/79.
- 11/07/79: Retrievable bridge plug set at 6415' and top w/10' sd. Perf. 5706'-12', 5732'-38', 5776'-82', 5786'-92', 5794'-98', 5868'-74', 5910'-17', 5952'-56', 5982'-90', 6074'-82', 6156'-66', 6180'-88', 6216'-21', 6302'-08' w/2 JSPF. Acd perfs w/13000 gals 15% NE acid and ball sealers in 2 stgs. 1st stg treat perfs 6074'-6308' w/5200 gals 15% NE acid and ball sealers. Spot 150 gals acid across perfs. 2nd stg treat perfs 5706'-5990' w/7500 gals 15% NE acid with ball sealers. Set bridge plug at 6045' and spot 150 gals 15% NE acid across perfs. Pull bridge plug. Frac perfs 6074'-6308' w/12000 gals cross-linked gel and 17000# 20/40 sd. Frac perfs 5706'-6308' w/60000 gals linked gel, 75500# 20/40 sd and rock salt to divert in 3 stages.