

BATES UNIT No. 1-4

(form. Beardmore Drilling Bates A No. 4)

spud: 10-07-66
compl: 10-20-66

ELEVATIONS:
RKB 1306'
BF 1303'
GL 1301'
WF 1298'

8 5/8" 28 lb/ft Cond. 2 csg @ 439'
w/350 sx cmt not circ, & 150 sax
cmt circ to surf by 1" tubing

TBG: @ 3716'
1 15' MA, SN,
120 jts 2-3/8" Brd tbg
1 10' tbg sub
PUMP: RVT (S/N 6339)
Installed 8-16-91
2" x 1.25" x 12'
10' gas anchor
RODS: 1 3/4" x 2' rod sub
147 3/4" rods
3 rod subs (20' total)
1.25" x 16' PR
6' HF liner

Tbg last hydrotested 10-27-86

FORMATION TOPS
DRILLER or MUDLOGGER
ANHY +/-400 (906)
B_ANHY 475 (831)
TDP 2020 (-714)
LKC 3066 (-1760)
MSSP CHT 3720 (-2414)
MSSP LH 3727 (-2421)

Last acid job 8-24-92
(250 gal dump job)

Csg lk @ 1101'-1255'
sqzd w/75 sx cmt (9/82)

Csg lk @ 2866'
sqzd w/40 sx cmt (9/82)

TDC @ 3000' (est)

5 1/2" 15.5 lb/ft csg @ 3729'
w/75 sx cmt

Open Hole: MISSISSIPPI 3729'-41'

7 7/8" Hole

TD 3741'



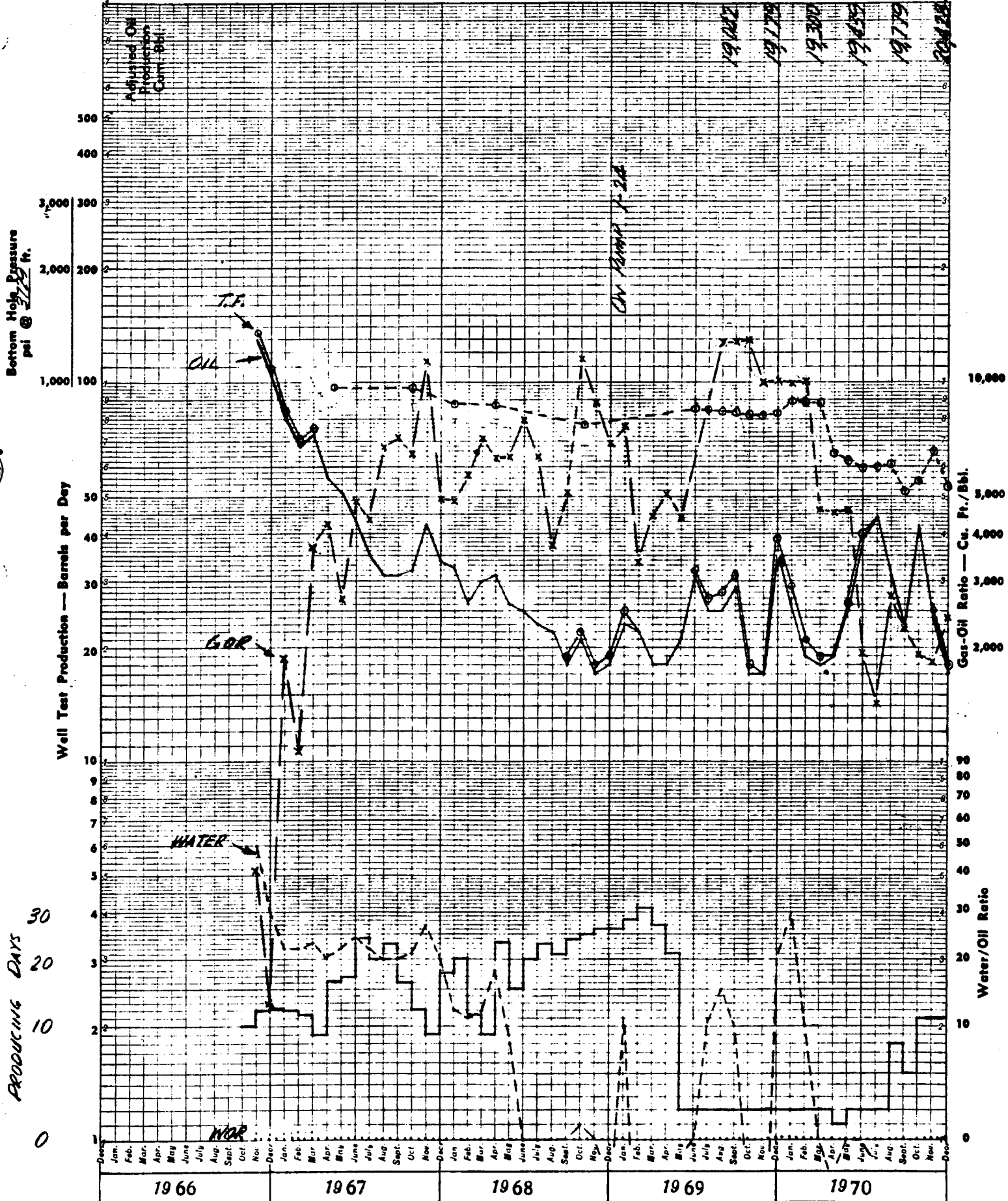
OPERATOR	PHILLIPS PETROLEUM COMPANY	WELL NO.	1-4
WELL NAME	Bates Unit		
FIELD	Bates		
COUNTY	Sumner	STATE	Kansas
LOCATION	C S/2 NW NW, 31-T30S-R1V	DATE	3/04/94

JV W

Net Ft. Oil Sd. _____ Md. _____
 Avg. Por. % _____ Md. _____
 Oil Sat. % _____ Shot, Qts. _____
 Water Sat. % _____

OIL & WATER PRODUCTION

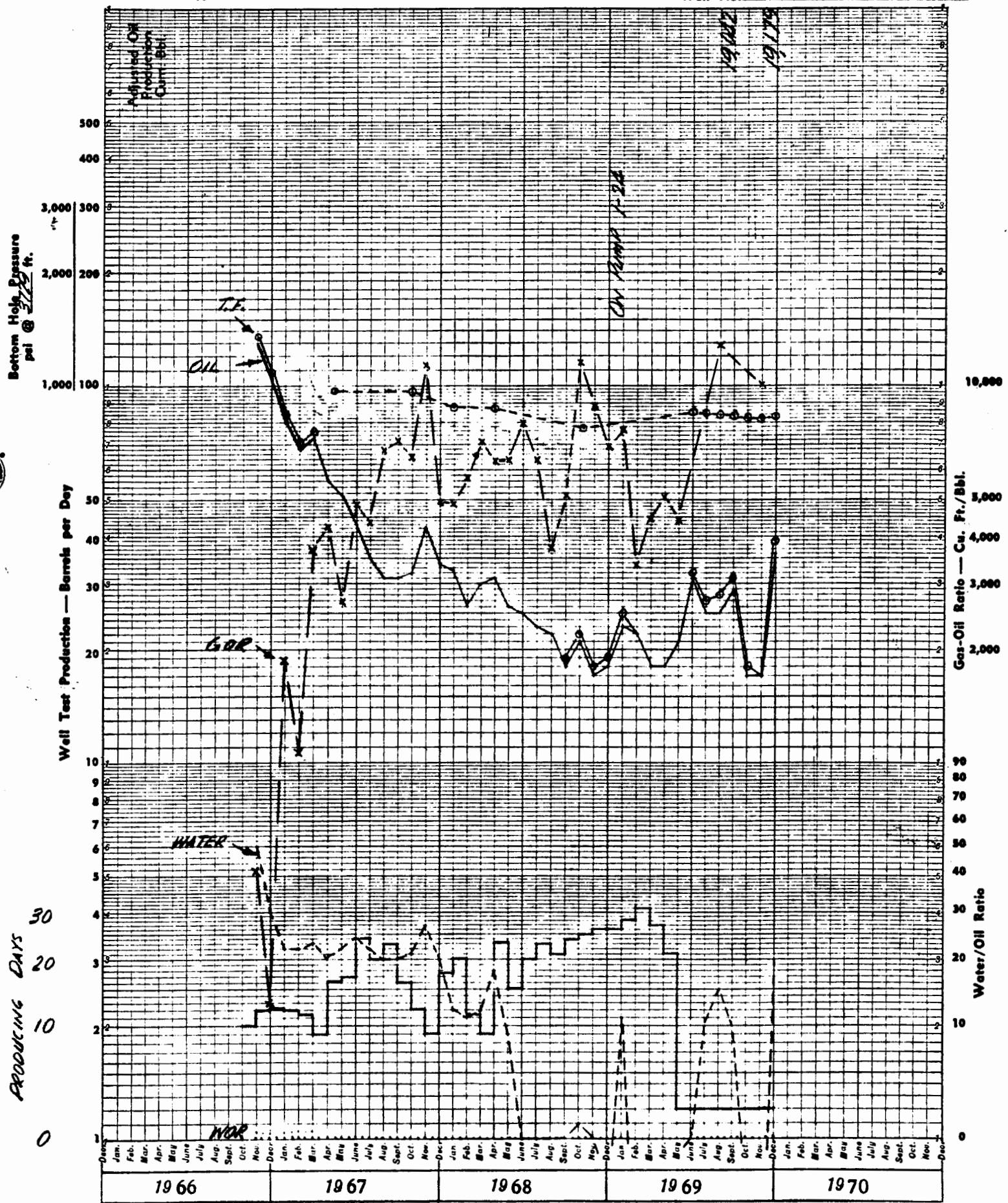
Company Beardmore Drilling Co.
 Lease or Flood Bates Pool
 Well No. Bates "A" No. 4



Net Ft. Oil Sd. _____ n. Md. _____
 Avg. Por. % _____ x Md. _____
 Oil Sat. % _____ Shot, Qts. _____
 Water Sat. % _____

OIL & WATER PRODUCTION

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Key: Oil _____ Water _____ Water/Oil Ratio Total Fluid ○—○
 BHP ○—○ GOR x—x—x

Earlougher Engineering