COMPLETED 7-25-66

WELL RECORD

LEASE: BATES "A" WELL NO. 2

COUNTY: SUMNER SECTION SWNW 31 TWP. 30S RNG. 1W

SURFACE PIPE RECORD:

TOTAL DEPTH 3732' CSG. RECORD 5½" OD, 15.5# SET @ 3724'

PRODUCING FORMATION: MISSISSIPPI DOLEMITE TOP OF PAY: 3724'

PERFORATIONS OR OPEN HOLE: OPEN HOLE 3724' TO 3732'

TUBING RECORD:
15.00 - 2 3/8" C.E. MUD ANCHOR
3.00 - " PERF. NIPPLE
1.00 - " SEAT NIPPLE
3706.31 - " 119 JTS TBG.
10.00 - " TBG. SUB
4.00 - " "
3739.31

ROD RECORD:
12.00 - 2"x1½"x12' PUMP
2.00 - ¾" ROD SUB
3675.00 - 147 - ¾"x25'
8.00 - ¾" ROD SUBS
4.00 - " " "
4.00 - " " "
16.00 - 1¼ POLISHED ROD.

PUMPING UNIT: PARKERSBURG - CH 80D SER# 34345

GEAR RATIO: 22.24 TO 1 (24"-36"-48") UNIT SHEAVE SIZE: 3C - 24"

V-BELTS: 3 - C195 SHAFT SIZE:

CONTROLLER CONTINENTAL 15 H.P., 3PH, 60CYCLE, 440V.

PRIME MOVER CONTINENTAL 15 H.P., 3PH, 60CYCLE, 1135RPM, 440/1968V, SER# 32419

SHAFT SIZE: 1 7/8" SHEAVE SIZE: SF 3C-5"

TANK BATTERY:
GUN BARREL:

STOCK TANKS

Fluid Level Data:

Total No. Joints 119
Tubing Length-Ft. 3706.31
Average Jt. Length 31.15
No. of Jts. to Fluid
Depth to Fluid
Pressure Datum
Ft. of Fluid in Hole

Pump Data:

Pump Size 2"x1½"x12'
No. & Length Stroke 11½ - 48"
Rod & Tubing Size
Pump Capacity
Pump Efficiency-%

7-24-66 - TREATED - 5[illegible] GALS XXM38 and 1000 GALS GEL X100 RETARDED ACID.

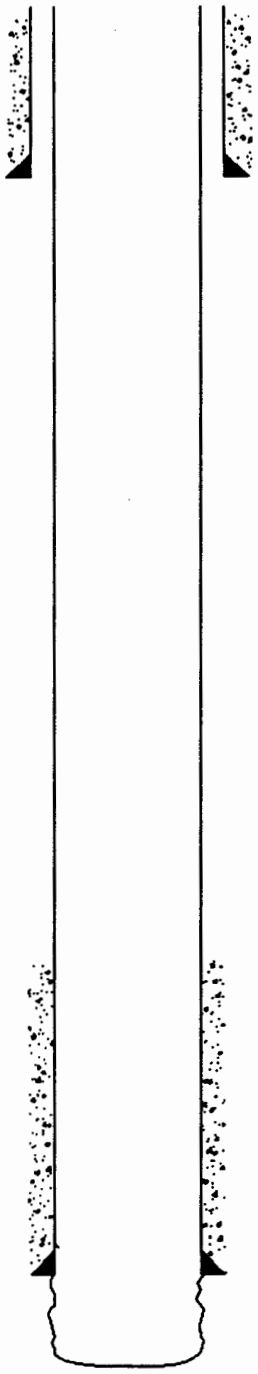
BATES UNIT B No. 1-2

(form. Beardmore Drilling Bates A No. 2)

spud: 7-06-66
compl: 7-17-66

8 5/8" 24 ppf used csg @ 439'
w/300 sx cmt circ to surf

ELEVATIONS:
RKB 1299'
GL 1294'
BH 1293'



TOC @ 3200' (calc.)

ACID JOBS:
9/86 250g Xyl, 2000g 15% HCl,
500g Diesel, 69b ls wtr.
34 & 29 -> 44 & 29
9/91 1000 gal, 70b ls wtr. 0psi @ 4bpm.
11 & 53 -> 27 & 49

5 1/2" 15.5 ppf csg @ 3724'
w/75 sx cmt

Open Hole: MISSISSIPPI 3724'-42'

TD 3742'

PHILLIPS 66	OPERATOR PHILLIPS PETROLEUM COMPANY	
	WELL NAME Bates Unit B	WELL NO. 1-2
	FIELD Bates	
	COUNTY Sumner	STATE Kansas
	LOCATION C S/2 SW NW, 31-T30S-R1W	DATE 8/25/94

JV

KB - 1299
Zero 6' above BH

Bates Unit 1-2

512 SW NW Sec 31-30S-1W

Sumner Co., Ks

Csg: 8 3/8" 24# set @ 439 w/ 300 sx
5 1/2, 15.5 set @ 3774 w/ 75 sx

Tops:

Base Florence	885	+414
Elmont	1730	-431
Tor.	2020	-721
KC	3058	-1759
BKC	3309	-2010
Cherokee	3553	-2254
Miss Chert	3713	-2414
" Dolo	3722	-2423
RTD	3732	-2433
Pipe Point	3724	-2425

LKC - No shows
Miss Chert No shows
" Dolo
Cond 3723-32 ∅ sat, perm

Compl: Drill out to RTD of 3732'
ONPBU - 500#
Drill to 3736, well started flowing
Drill to 3742', " flowing
ONPBU - 560# Well flowed 38.44 BOPH for 1 hr, went dead. Treat w/ 500 gals XXM38 and 1000 gals gel x retarded acid. Well flowing.

9-66	204/0	flowing
12-66	216/1	"
3-67	177/0	"
7-67	179/0	"
10-67	179/6	"
1-68	160/0	"
5-68	150/0	"
4-67	75/0	"
11-72	14/0	pmp
12-72	101/2	"

Net Ft. Oil Sd. _____ m. Md. _____

Avg. Por. % _____ r...x Md. _____

Oil Sat. % _____ Shot, Qts. _____

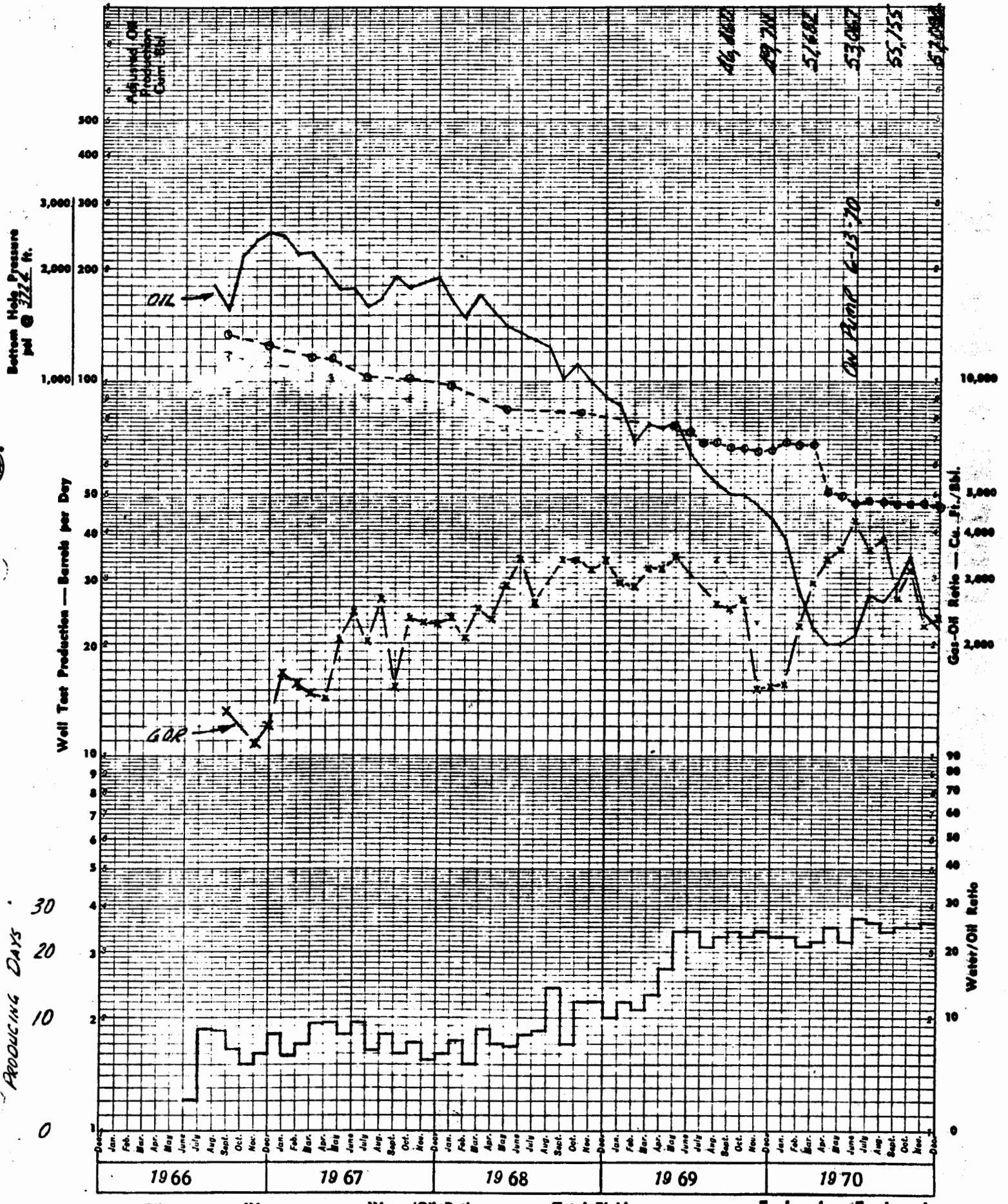
Water Sat. % _____

OIL & WATER PRODUCTION

Company Beardmore Drilling Co.

Lease or Flood Bates Pool

Well No. Bates "A" No. 2



Key: Oil _____ Water _____ Water/Oil Ratio ..... Total Fluid o——o

BHP o— — —o GOR x—x—x

Earlougher Engineering