COMPLETION

BATES "A" No. 1
W/2 SE NW Section 31-30S-1W
Sumner County, Kansas

Rotary TD 3750'
5-1/2" 15-1/2# casing at 3735'
Cemented 75 sacks common
Shoe jt. 28.68' - Zero 6.50' above BH
Elevation: 1304' KB
Cable Tool TD 3751' (-2447')

6-2-66
Pratt Well Service moved in, rigged up spudder, swabbed hole down. String in sand line measurements checked o.k. Ran spear to try for plug and measuring line wt. Could not spear plug. Shut down.

6-3-66
Drilled Halliburton measuring line wt., rubber plug and 21' cement. Cleaned out and loaded hole with 20 bbls. water. Drilled 6' cement. Cleaned out. Shut down.

6-4-66
Drilled 1' cement and shoe. Tools swinging free for 5' of rotary hole. Swabbed hole down. Bailed muddy oil. Swab tested per hour for 5 hours as follows: 1.16 bbls. - muddy, 1.74 bbls. - some mud, 1.16 bbls. - very little mud, .87 bbls. - trace, 1.57 bbls. - clean oil, no water. Ran bailer 3 times - trace of mud and filtrate water in bottom. Shut down.

6-5-66
225# pressure. Blew well down. Ran bailer - trace mud and filtrate water in bottom. 850' fill up in 15 hrs. Swabbed hole down. Recovered 21.58 bbls. oil, no water. Tested 1 hr. - 2.32 bbls. Drilled 3740 - 3743' (3 ft.). Cleaned up with bailer. Swabbed hole down. Recovered 4.06 bbls. Tested per hour for 3 hrs. as follows: 1.74, 2.61, 2.32 clean oil, no water. Drilled 3743-3744-1/2'. Bailed samples. Drilled 3744-1/2 - 3747' (total 4'). Good increase in gas. 3 runs with bailer - oil muddy. Very little mud 4th run. Swabbed down. Recovered 8.12 bbls. (3-1/2 hrs.) Shut down.

6-6-66
290# pressure. 1200' fill up. Trace of mud in bailer. Swabbed down. Recovered 30.90 bbls. oil, no water. Tested for 2 hrs. as follows: 4.06 - 2.90 bbls. Drilled 4' T.D. 3751'. Cleaned up with bailer. Swabbed down. Recovered 7.58 bbls. (1-1/2 hrs.). Tested per hour for 6 hours as follows: 3.19, 4.06, 3.48, 3.77, 3.19. Shut down. 176a

6-7-66
330# pressure. Open well flowed 14.58 bbls. in 30 min. Est. fill up 1250'. Swabbed down. Recovered total 33.80 bbls. oil, no water. Broke down tools. Ran tubing as follows: 14.86' closed mud anchor, 3' perforated nipple, 1' seating nipple, 119 jts. and 6' sub. 2" EUE 8rd tubing (total 3738.75' set 3.50 below Zero), tubing 6' off bottom. Dowell treated with 500 gals. XXM38 and 1000 gals. gel x 100 acid flushed with oil. Total load 107 bbls. Shut down. Treating and swab reports attached.

6-8-66
Tubing pressure 32#, casing 32#. Swabbed 34.88 bbls. Well started flowing. Flowed open per 1/2 hr. test as follows: 25.60, 25.60, 24.44, 22.12. Recovered 132.64 bbls., 25.64 bbls. over load. Put well on 1/2" choke, tested per 1/2 hr. as follows: 17.40, 16.24, 16.82 bbls. oil 10% acid water. Choke to 3/8" tested per 1/2 hr. as follows: 9.28, 10.44 5% acid, choke to 1/4", tested per 1/2 hr. as follows: 9.28, 10.44, 10.44, 9.28 bbls. oil, trace acid water. Total fluid produced 242.16 bbls., 135.16 bbls. over load. Rig down and move out unit.

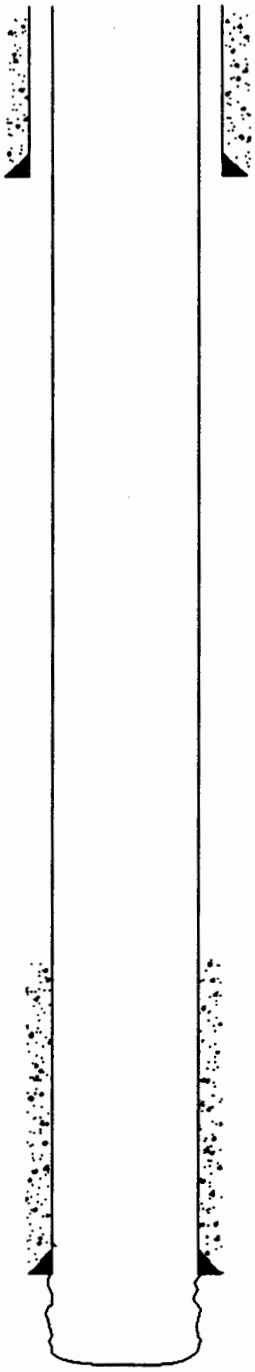
BATES UNIT B No. 1-1

(form. Beardmore Drilling Bates A No. 1)

spud: 5-20-66
compl: 5-31-66

8 5/8" 28 ppf used csg @ 434'
w/280 sx cmt circ to surf

ELEVATIONS:
RKB 1304'
DF 1301'
BH 1297.5'



TOC @ 3200' (calc.)

ACID JOBS:
9/86 250g Xyl, 2000g 15% HCl,
500g Diesel, 69b ls wtr.
4 & 53 -> 12 & 80
9/91 1000 gal dump.
6 & 54 -> 6 & 60

5 1/2" 15.5 ppf csg @ 3735'
w/75 sx cmt

Open Hole: MISSISSIPPI 3735'-51'

TD 3751'

PHILLIPS 66	OPERATOR PHILLIPS PETROLEUM COMPANY	
	WELL NAME Bates Unit B	WELL NO. 1-1
	FIELD Bates	
	COUNTY Sumner	STATE Kansas
	LOCATION C W/2 SE NW¼ 31-T30S-R1W	DATE 8/25/94

JV

Cuyd

KB-1304

RTD 3750
CTD 3751

Bates Unit 1-1

W/2 SE NW Sec 31-30-1W

Cage: 8 5/8 28# set @ 434 w/ 280 sx
5 1/2 set @ 3735 w/ 75 sx

Cored 3734-40 Limey dolomite. Good oil sat. Ø fairly low
perm were lower than anemone.

6-66 Completion: Drill out to RTD. Swbd 1.57 oil PH load hw
Drill out to 3751 Swbd ≈ 4 BOPH 100% oil
Well flowed. Acid Treat w/ 500 gals XXM 38 and 1000 gals gel
100, flush w/ oil Well flowing Flowed 25 BOPH

Tops	Hatrakin	2735
	KC	3085
	BKC	3321
	Cherokee	3563
	Miss Chest	3723
	Miss Lm	3732

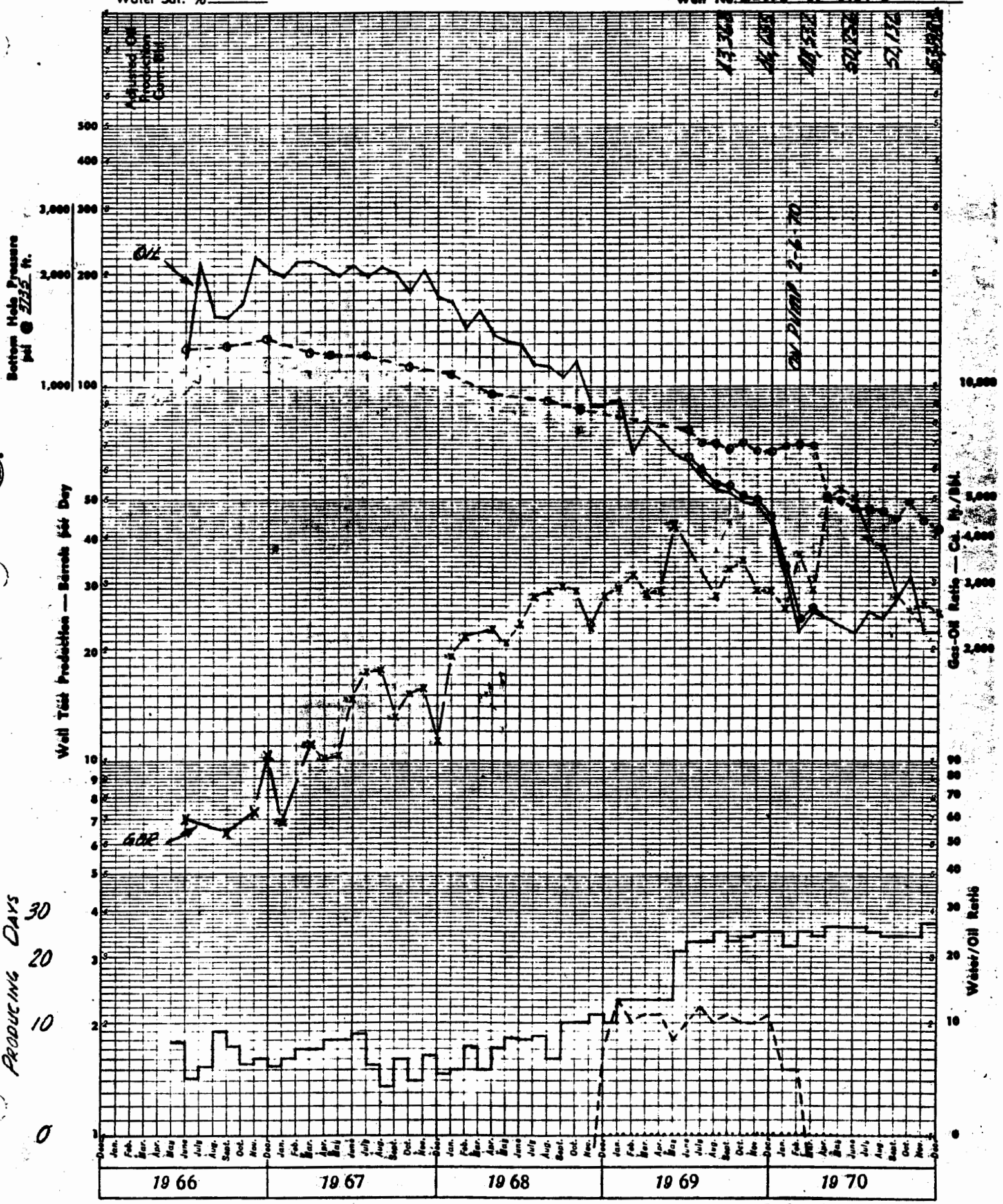
6-66	150/0	flowing	4-68	154/0	flowing
9-66	221/0	"	8-68	110/0	flowing
12-66	199/0	"	2-69	70/2	"
3-67	180/0	"	1-70	7/0	"
7-67	190/0	"	2-70	Pump ran	
10-67	212/0	"	11-72	60/4	pumping
1-68	172/0	"			

Present 3.9/53

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

OIL & WATER PRODUCTION

Company Beardmore Drilling Co.
Lease or Pool Bates Pool
Well No. Bates "A" No. 1



Key: Oil_____ Water_____ Water/Oil Ratio _____ Total Fluid o——o

Earlougher Engineering