

To:
STATE CORPORATION COMMISSION
CONSERVATION DIVISION - UIC SECTION
200 COLORADO DERBY BUILDING
WICHITA, KANSAS 67202

APPLICATION FOR INJECTION WELL

DISPOSAL ☐
ENHANCED RECOVERY: REPRESSURE ☒

WATERFLOOD ☐

TERTIARY ☐

DATE November

Operator License # 5142

Operator: Sterling Drilling Company
Name &

Address Box 129
Sterling, Kansas 67579

Contact Person Name Richard L. Mead
President
Phone 316-278-2131

NE, Sec. 4, T 26 S, R 16 W/EX

4297' feet from South section line

1655' feet from East section line
irregular section

Lease description: S/2 of Lots 2, 3 & 4
Section 4-T26S-R16W (140 acre)

Lease Name Mayhew A Well # 7-4

Field Name McHale

County Edwards

Deepest usable water:

Formation 1060'

Depth 1060' feet to formation bottom

11. Old Well Being Converted ☒ Newly Drilled Well ☐ Well to be drilled ☐

12. Surface elev. 2076 feet, Well Total Depth 4535 feet, Plug back depth 4512 feet
13. Datum of top of injection formation 2306 feet (reference mean sea level)

INJECTION FORMATION DESCRIPTION

name	top/bottom	perf/open hole	depth
		at	to feet
Kinderhook sand	4427 / 4515	4 shots/ft at 4427	to 4431 feet

LIST OF WELLS SUPPLYING SALT WATER (use extra sheet if needed)

LEASE OPERATOR	LEASE NAME	LEASE DESCRIPTION	WELL ID# & Spot location
1. Sterling Drilling	Mayhew A2	S/2 of lots 2, 3, 4	330' FNL, 330' FWL S/2 lot 2
2. Company	Mayhew A3	Sec. 4-T26S-R16W	330' FSL, 330' FWL S/2 lot 2
3. "	Mayhew A4	"	1667' FSL, 990' FWL NW/4
4. "	Mayhew A5	"	330' FNL, 330' FEL S/2 lot 3
5. "	Mayhew A6	"	330' FNL, 330' FEL S/2 lot 2
6. "	Mayhew A8	"	1657' FSL, 1655' FEL NE/4
7. "	Mayhew A9	"	1667' FSL, 1650' FWL NW/4
8. "	Cudney A1	Lot 1 of N/2; S $\frac{1}{2}$ of NE/4; N/2 of lots 2, 3, 4	1250' S of CNL

PRODUCING FORMATION

Section 4-T26S-R16W
STRATA DEPTH

TOTAL DISSOLVED SOLIDS
(if available)

24. 1. Kinderhook SD	4432 to 4436 feet	153,781 mg/l
25. 2. " "	4431 to 4435 feet	153,781 mg/l
26. 3. " "	4436 to 4440 feet	153,781 mg/l
27. 4. " "	4426 to 4430 feet	153,781 mg/l
28. 5. " "	4427 to 4431 feet	153,781 mg/l
29. 6. " "	4436 to 4440 feet	153,781 mg/l
30. 7. " "	4441 to 4445 feet	153,781 mg/l
31. 8. " "	4420 to 4424 feet	153,781 mg/l

32. Liquid Injection Rate: Min 100 bbl/day, Max 500 bbl/day
33. or Gas Injection Rate: Min none scf/day, Max scf/day, Type of gas

34. Injection Pressure: Min 0 psig, Max 1000 psig

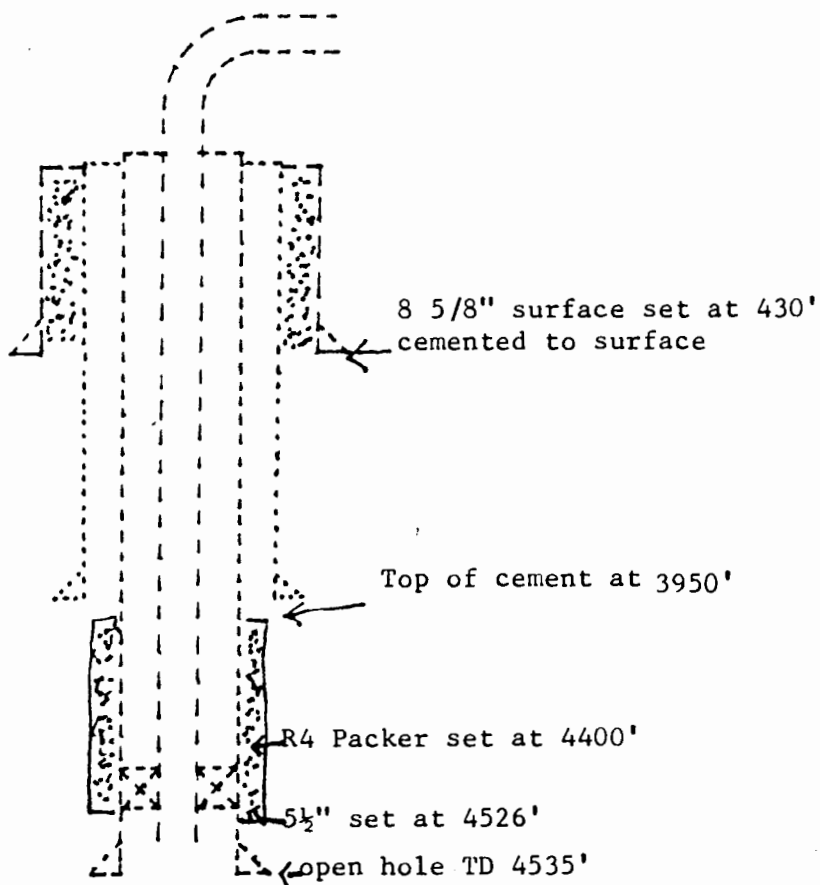
WELL COMPLETION

TYPE: Tubing & packer / /; Packerless (tubing) / /; Tubingless / /

CASING OR TUBING	CONDUCTOR	SURFACE	INTERMEDIATE	PRODUCTION	TUBING
SIZE		8 5/8"		4 1/2"	
SETTING DEPTH		430'		4526'	
CEMENT SACKS		375'		325'	
CEMENT: TOPS BOTTOMS		surface I 430'		I 4526'	

TUBING: TYPE 2 3/8"GRADE J-55PACKER: TYPE Halliburton R-4DEPTH 4400'ANNULUS CORROSION INHIBITION FLUID: TYPE Halliburton ANHIB CONCENTRATION 1000 RPM

LIST LOGS ENCLOSED:

Static water level is 4300 feet below surface.

(To sketch installation, darken appropriate lines, indicate cement, and show depths.)

NOTE: Page 4 must be completed on all applications.

Wells supplying salt water - continued from page 1

9.	Sterling Drilling	Cudney A3	same as shown on	1650'FEL, 1140'FNL
10.	Company	Cudney A4 ✓	Cudney A8	440'FNL, 440'FWL
11.	" "	Cudney A5 ✓	"	1650'FEL, 330'FNL
12.	" "	Cudney A7 ✓	"	330'FEL, 330'FNL lot 4
13.	" "	Cudney A8 ✓	"	1216'FNL, 1656'FWL NW/4
14.	" "	Cudney A9 ✓	"	1216'FNL, 990'FWL NW/4
15.	" "	Cudney B1	"	1960'FNL, 420'FEL NE/4
16.	" "	Cudney B2	"	330'FSL, 330'FEL, NE/4
17.	" "	Cudney B3	"	2620'FNL, 392'FEL, NE/4
18.	" "	Cudney B4	"	3430'FNL, 320'FEL, NE/4
19.	" "	Cudney B5	"	960'FEL, 330'FSL, NE/4
20.	" "	Cudney B6	"	330'FSL, 330'FWL, NE/4
21.	" "	Cudney B7	"	990'FSL, 330'FWL, NE/4
22.	" "	Cudney B8	"	1657'FSL, 990'FEL, NE/4
23.	" "	Cudney B9	"	1875'FNL, 990'FEL, NE/4
24.	" "	Cudney B10	"	990'FSL, 990'FEL, NE/4
25.	" "	Cudney B11	"	990'FSL, 990'FWL, NE/4

Wells -Producing formation - continued from page 1

9.	Kinderhook SD	4428 to 4432 feet	153,781 mg/l
10.	KansasCity	4440 to 4444 feet	153,781 mg/l
11.	Kansas City	4434 to 4437 feet	153,781 mg/l
12.	Kansas City	4086 to 4087 feet	153,781 mg/l
13.	Kinderhook SD	4455 to 4459 feet	153,781 mg/l
14.	"	4464 to 4468 feet	153,781 mg/l
15.	"	4440 to 4450 feet	153,781 mg/l
16.	"	4438 to 4444 feet	153,781 mg/l
17.	Lansing	4420 to 4424 feet	153,781 mg/l
18.	Kinderhook SD	4466 to 4670 feet	153,781 mg/l
	Mississippi	4464 to 4468 feet	
19.	Kinderhook SD	4434 to 4438 feet	153,781 mg/l
20.	"	4420 to 4424 feet	153,781 mg/l
21.	"	4442 to 4446 feet	153,781 mg/l
22.	"	4426 to 4430 feet	153,781 mg/l
23.	"	4420 to 4424 feet	153,781 mg/l
24.	"	4440 to 4444 feet	153,781 mg/l
25.	"	4433 to 4437 feet	153,781 mg/l