

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

NE NE SE, Sec. 33, T 13 S, R 15 WXX  
2310 feet from South section line  
330 feet from East section line

APPLICATION FOR INJECTION WELL

DISPOSAL   
 ENHANCED RECOVERY: REPRESSURE   
 WATERFLOOD   
 TERTIARY

Lease description: NE NE SE of Section  
33-13s-15w, Russell County, KS

Lease Name MILLS "B" Well # 8

DATE 12/9/85

Field Name Gorham

Operator License # 6393

County Russell

Operator: Brougher Oil, Inc.  
 Name & P.O. Drawer 1367  
 Address Great Bend, KS 67530

Deepest usable water:  
 Formation Dakota

Contact Person Name Mr. Joe E. Brougher  
 Phone 316-793-5610

Depth 800 feet to formation bottom

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

12. Surface elev. 1904 feet, Well Total Depth 3572 feet, Plug back depth None feet  
 13. Datum of top of injection formation -1409 feet (reference mean sea level)

INJECTION FORMATION DESCRIPTION

name	top/bottom	perf/open hole	depth
14. <u>Granite Wash</u>	<u>3323 / 3572</u>	<u>OPEN HOLE at</u>	<u>3404 to 3572</u> feet
15. _____	_____ / _____	_____ at _____	_____ to _____ feet

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

LEASE OPERATOR	LEASE NAME	LEASE DESCRIPTION	WELL ID# & Spot location
16. 1. Brougher Oil	MILLS "B"	SE/4, Sec 33-13s-15w	#8, NE NE SE
17. 2. Brougher Oil	MILLS "B"	SE/4, Sec 33-13s-15w	#4, NW SW SE
18. 3. Brougher Oil	MILLS "B"	SE/4, Sec 33-13s-15w	#7, SE SW SE
19. 4. Brougher Oil	MILLS "C"	NE/4, Sec 4-14s-15w	#6, NE SE NE
20. 5.			
21. 6.			
22. 7.			
23. 8.			

PRODUCING FORMATION

STRATA DEPTH

TOTAL DISSOLVED SOLIDS (if available)

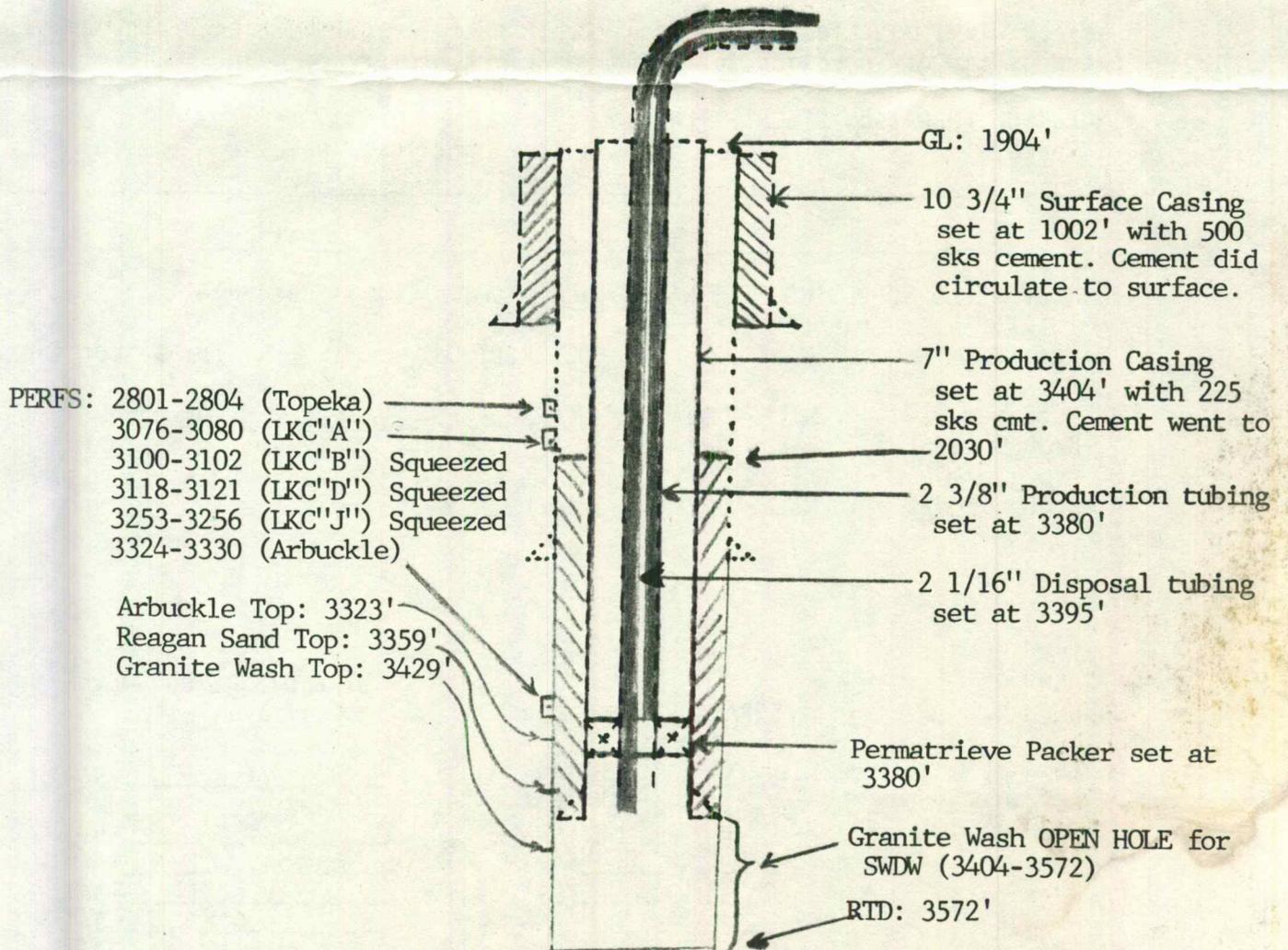
PRODUCING FORMATION	STRATA DEPTH	TOTAL DISSOLVED SOLIDS (if available)
24. 1. Topeka, LKC, Arbuckle	<u>2801 to 3330</u> feet	<u>Unknown</u> mg/l
25. 2. Reagan	<u>3295 to 3300</u> feet	<u>Unknown</u> mg/l
26. 3. Topeka, LKC	<u>2780 to 3135</u> feet	<u>Unknown</u> mg/l
27. 4. LKC	<u>3040 to 3270</u> feet	<u>Unknown</u> mg/l
28. 5.	_____ to _____ feet	_____ mg/l
29. 6.	_____ to _____ feet	_____ mg/l
30. 7.	_____ to _____ feet	_____ mg/l
31. 8.	_____ to _____ feet	_____ mg/l

32. Liquid Injection Rate: Min 0 bbl/day, Max 2000 bbl/day  
 33. or Gas Injection Rate: Min \_\_\_\_\_ scf/day, Max \_\_\_\_\_ scf/day, Type of gas \_\_\_\_\_  
 34. Injection Pressure: Min Vacuum psig, Max Vacuum psig

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

CASING OR TUBING	CONDUCTOR	SURFACE	INTERMEDIATE	PRODUCTION	TUBING Production	Disposal Tubing
SIZE		10 3/4"		7"	2 3/8"	2 1/16"
SETTING DEPTH		1002'		3404'	3380'	3395'
CEMENT SACKS		500		225		
CEMENT: TOPS BOTTOMS		1002'- Surface		2030- 3404'		

Disposal  
 TUBING: TYPE 2 1/16" Dual Line GRADE J-55  
 PACKER: TYPE Permatrieve (Otis) DEPTH 3380'  
 ANNULUS CORROSION INHIBITION FLUID: TYPE None CONCENTRATION None  
 LIST LOGS ENCLOSED: Welex, Inc. : Radiation guard, Compensated Density, Computer, Microseismogram.



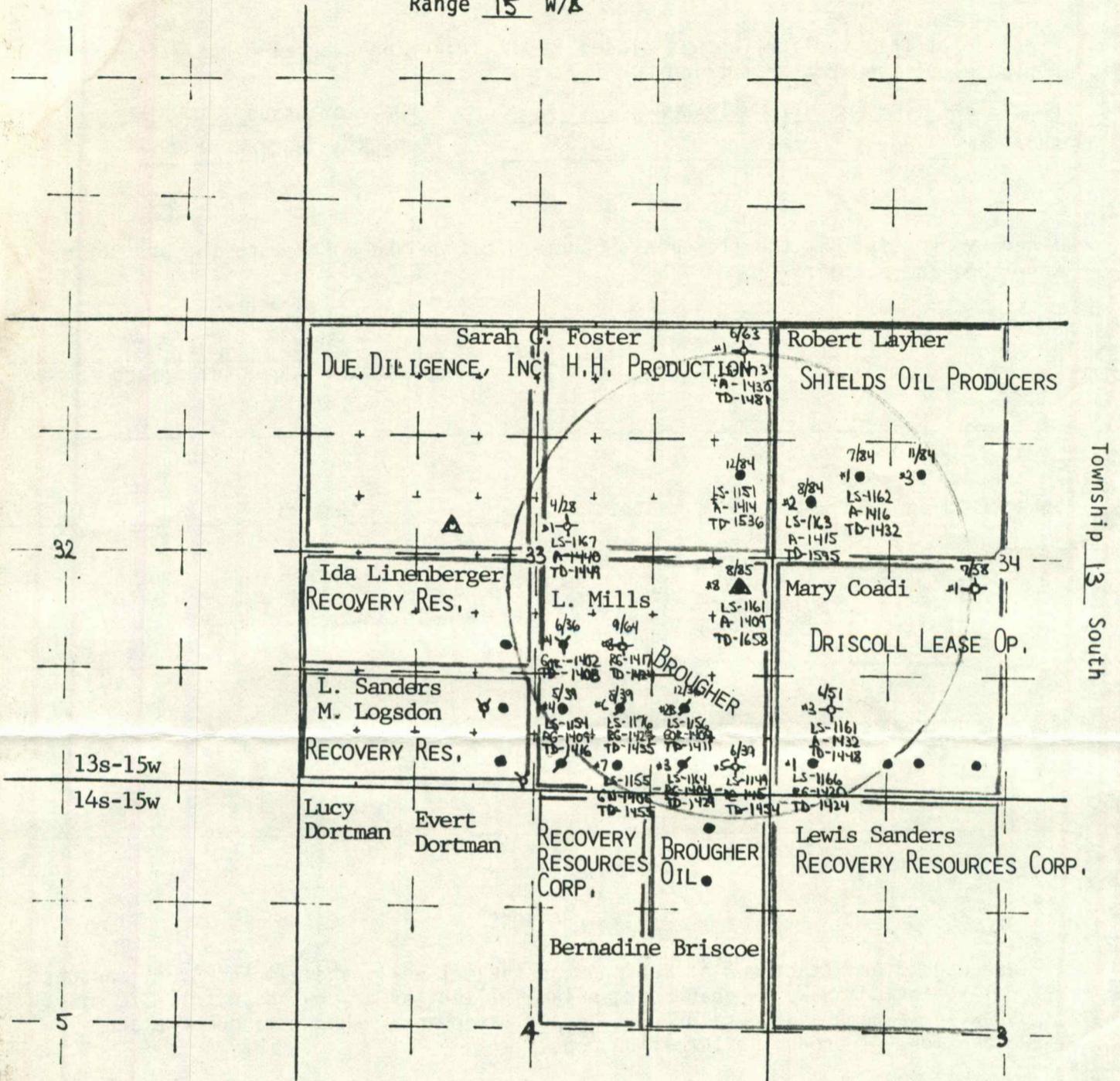
Static water level is 900 feet below surface.

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

NOTE: Page 4 must be completed on all applications.

Use for UIC application plat map or attach a copy of an equivalent map. Indicate township, range, and appropriate section numbers. Then locate applicant injection well, plus all producing wells, abandoned wells, plugged holes, and other wells within a half mile radius. Also show lease boundaries, lease operators, well numbers, and producing wells producing formation tops.

Range 15 W/8



Township 13 South

- applicant well △
- other injection wells (including disposal) ▲
- producing wells ●
- temporary abandoned well ●TA
- plugged producer ●/
- D & A well ●⊕
- plugged injection well ●/▲
- water supply well ●WS

Operator Brougher Oil, Inc. Lease MILLS "B" County Russell

Name and Addresses of those receiving copies of this application and attachments:

OFFSET OPERATOR'S AND LANDOWNER.

NAME

MAILING ADDRESS

SEE: ATTACHED ENCLOSURE

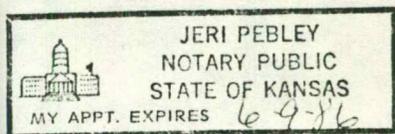
A notice of this application was placed in the following general circulation newspaper of the area of the lease.

Paper Name	<u>The Russell Daily News</u>	Date of Issue	<u>Unknown</u>
Address	<u>Box 513, Russell, KS 67665</u>	Page of Notice	<u>Unknown</u>

I hereby certify that the statements herein are true and correct to the best of my knowledge and belief:

Brent B Reinhardt  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 11 day of Dec 19 85.



Jeri Pebley  
Notary Public

6-9-86  
My Commission Expires

INSTRUCTIONS

1. Use page 3 or attach a plat map showing subject well, and all known oil and gas wells, including wells abandoned, being drilled, or dry holes, within 1/2 mile. Show lease name and operator or unleased landowner. Show well numbers and elevations of producing formation tops.
2. Attach Drillers Log or Form ACO-1.
3. Fill in schematic drawing of subsurface facilities including: Size, setting depth, amount of cement used, measured or calculated tops of cement of surface, intermediate (if any) and production casing; size and setting depth of tubing; type and setting depth of packer; geological zone of injection showing top and bottom of injection interval.
4. The original and 2 copies of application and attachments shall be mailed to the State Corporation Commission.
5. Deliver or mail 1 copy of application to landowner on whose land injection well is located and to each operator of the producing leasehold or mineral rights owner within 1/2 mile of the well.
5. Deliver or mail 1 copy of application to landowner on whose land injection well is located and to each operator of the producing leasehold or mineral rights owner within 1/2 mile of the well.
6. Approval of this application, if granted, is valid only as long as there is no substantial change in the operation set forth in the application. A substantial operation change requires the approval of a new application.

More Copy  
9-10-85

DOCKET # \_\_\_\_\_

**CASING MECHANICAL INTEGRITY TEST**

Disposal  Enhanced Recovery: \_\_\_\_\_

Repressuring  \_\_\_\_\_

Flood  \_\_\_\_\_

Tertiary  \_\_\_\_\_

Date injection started \_\_\_\_\_

API #15 \_\_\_\_\_

NE NE SE \_\_\_\_\_, Sec 33, T 13S, R 15 E/W

2310 Feet from South Section Line

330 Feet from East Section Line

Lease Mills Well # B #8

County Russell Dual Completion

Operator: Brougner Oil Inc. Operator License # 6393

Name & Address P.O. Drawer 1367 Contact Person Ron Hickel

Great Bend, Ks. 67530 Phone 316-793-5610

Max. Auth. Injection Press. \_\_\_\_\_ psi; Max. Inj. Rate \_\_\_\_\_ bbl/d;

If Dual Completion - Injection above production \_\_\_\_\_ Injection below production X

Conductor	Surface	Production	Liner	Tubing
Size 0	10 3/4"	7"	0	Size 2 3/8"
Set at _____	1002 ft.	3403 ft.	_____	Set at 3380 ft.
Cement Top _____	CWC	2020	_____	Type duoline
" Bottom _____	w/500 sk cmt.	w/225 sk. cmt.	_____	

DV/Perf. None - Long string TD (and plug back) 3572 ft. None ft. depth

Packer type Permahlieve-Coated Size 7" Set at 3380 ft.

Zone of injection 3403 ft. to ft. 3572 Perf. or open hole Open 169 f

Type Mit: Pressure  Radioactive Tracer Survey  Temperature Survey

F Time: Start 10 Min. 20 Min. 30 Min.

I Pressures: 350 psi.g. 350 psi.g. 350 psi.g. Set up 1 System Pres. during test 0

D \_\_\_\_\_ Set up 2 Annular Pres. during test -

D \_\_\_\_\_ Set up 3 Fluid loss during test 0 bbls.

A Tested: Casing  or Casing - Tubing Annulus

The bottom of the tested zone is shut in with \_\_\_\_\_ Shoe

Test Date Sept. 6 1985 Using 3 - D Tank Truck Company's Equipment

The operator hereby certifies that the zone between 0 feet and 3400 feet was the zone tested.

Signature: Ron Hickel Title: Prod. Man

The results were Satisfactory X, Marginal \_\_\_\_\_, Not Satisfactory \_\_\_\_\_

State Agent Marion Schmidt Title DOIC Witness: Yes X No \_\_\_\_\_

REMARKS: New Well- Dual Completion - Gravity fed. S.P. set in anhydrite

9-10-85

Orgin. Conservation Div.;  KDHE/T;  6 Dist. Office;

Computer Update KCC KCC Form U-7 6/84

Brouher Oil, Inc.  
#8 Mills "B"  
NE NE SE, Sec 33-13s-15w  
Russell County, KS

OFFSET OPERATOR's and LANDOWNERS

Shields Oil Producers, Inc  
Driscoll Lease Operations, Inc.  
Recovery Resources Corporation  
H & H Production, Inc.  
Due Diligence, Inc.  
  
Robert & Marian Layher  
Mary Coadi  
Lewis & Irene Sanders  
Sarah G. Foster (%John Woelk)  
Lorraine C. Mills  
Bernadine Briscoe  
Ida F. Linenberger  
Max E. Logsdon (%R.P. Nixon)

MAILING ADDRESSES

326 Main, Box 248, Russell, KS 67665  
726 Main, Russell, KS 67665  
1300 S. Main St, Tulsa, OK 74119  
Box 348, Russell, KS 67665  
8341 Sangre DeCristo Rd, Suite A-1,  
Littleton, CO 80127  
206 E. 20th, Hays, KS 67601  
Gorham, KS 67640  
Gorham, KS 67640  
Bankers Building, Russell, KS 67665  
312 E 6th Street, Russell, KS 67665  
5800 Gold Leaf Lane, Placerville, CA 95667  
415 W 15th, Hays, KS 67601  
207 West 12th, Hays, KS 67601