

DISPOSAL APPLICATION REVIEW

Operator Conoco

Field McCallum

Date Received 9/29/86

Well McCallum # 78

Plat - all wells within 1/4 mi.
 Water wells in area _____ Depth _____

List of owners and surface owners

Notice to landowners and offsets

Electric logs submitted Induction

Bond Log 2/18/74 Cement top _____

Injection Zone DKTA-LAKOTA 16109 combine d.

Water Quality Injection zone DKTA-LKTA TDS

Source and Injection Water Quality from SP both are
Well Name McCallum Formation DK-LKTA TDS greater > 10,000

16109

Maximum per day injected 500 Minimum per day injected 200

Anticipated injection pressure 500

Frac gradient or pressure .75 psi/ft

Completion Type:
 tubing-packer dual completion* casing disposal

* disposes down tubing - produces up casing

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* two tubing strings

Injected thru: perforations open hole

Stimulation Program frac acid none

Casing Pressure Test tested to 1000 psi 7/16/86

Form 4 requesting approval
Copy of application delivered to CDWR Date _____

WELL BORE DATA ON REVERSE SIDE

Application needs the following for approval:

CBL or Logs CDWR review

Form 4

Water analysis (formation)

Water analysis (injection)

Other _____

Other _____

WELL BORE DATA

	Size	Depth	Cemented with
Surface casing	9 5/8	344	375 SXS
Intermediate casing			SXS
Production casing	5.5	6105	360 SXS
Liner		top	SXS
		btm	
Tubing	2 7/8	5900	
Packer set at		5900	
Perforations	70 5900	to 6006	5994
	601.6	to 6036	6024
PBTD	6004	6073	
TD		6107	

Formation Record

Formation Name	Top
Pierre B	2940
Niobrara	4612
Frontier	5303
Muddy	5836
Dakota	5900
Lakota	5970
Morrison	6060

