



State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109



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INJECTION WELL PERMIT APPLICATION

Submit a completed Form 33 with or after approval obtained on Form 31 (Underground Injection Permit Application) or you must have a previously approved Injection Well Permit.

- 1. Operator may not commence injection into this well until this form is approved.
2. Each individual injection well must be approved by this form.

Well Name and Number: McCallum #147 API No: 05-057-06383-00
UIC Facility No: 170 (as assigned on an approved Form 31)
Project Name: Pierre B Waterflood Operator Name: Nielson & Associates
Field Name and Number: McCallu - 53300 County: Jackson
QtrQtr: NW SE Sec: 2 Twp: 9N Range: 79W Meridian: 6th

Complete the Attachment Checklist

Table with columns for Attachment Checklist (Current Wellbore Diagram, Proposed Wellbore Diagram) and checkboxes for Oper and OGCC.

CURRENT WELLBORE INFORMATION

Table with columns: SIZE, DEPTH, NO. SACKS, CEMENT TOP, CBL, CIRCULATED, CALCULATED. Rows include Surface Casing, Intermediate Casing, and Production Casing.

Plug Back Total Depth: 552' Tubing Depth: 158' Packer Depth: NA

Pierre B Formation Gross Perforation Interval: 123' to 135'
Formation Gross Perforation Interval:
Formation Open Hole Interval (if any):



List below all Plugs, Bridge Plugs, Stage Cementing or Squeeze Work performed on this wellbore: (if more space needed, continue on reverse side of this form.)

- 1. None
2.
3.
4.

Describe below any changes to the wellbore which will be made upon conversion. (This includes but not limited to changes of tubing and packer setting depths, any additional squeeze work for aquifer protection or casing leaks, setting of bridge plugs to isolate non-injection formations.)

- 1. Tubing will be pulled from the well and run back in with a packer on the end of the
2. tubing. The packer will be set at approximately 100'. The casing-tubing annulus will
3. be pressure tested and upon passing of test, injection will commence.
4.

Comments:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Terry R. Ziehl

Signed: [Signature] Title: Engineering Technician Date: January 9, 2001

OGCC Approved: [Signature] Title: PE Date: 1/23/2001

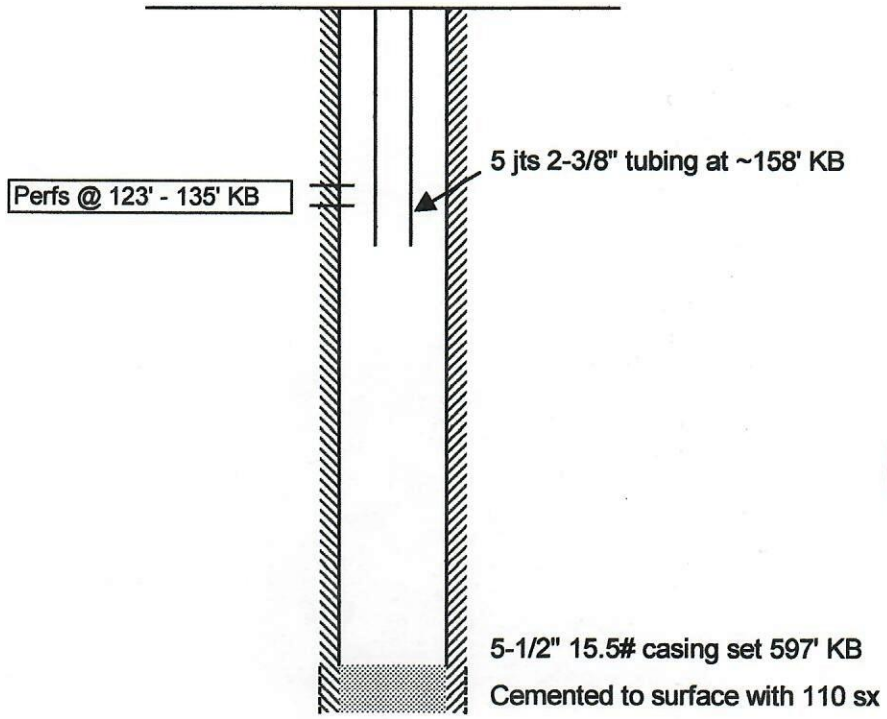
MAX. SURFACE INJECTION PRESSURE: 75 PSI If Disposal Well, MAX. INJECTION VOL. LIMIT:
CONDITIONS OF APPROVAL, IF ANY:

McCallum Unit #147
1505' FSL & 1351' FEL (NW SE) Sec 2-T9N-R79W
Jackson County, Colorado
Current Wellbore Configuration

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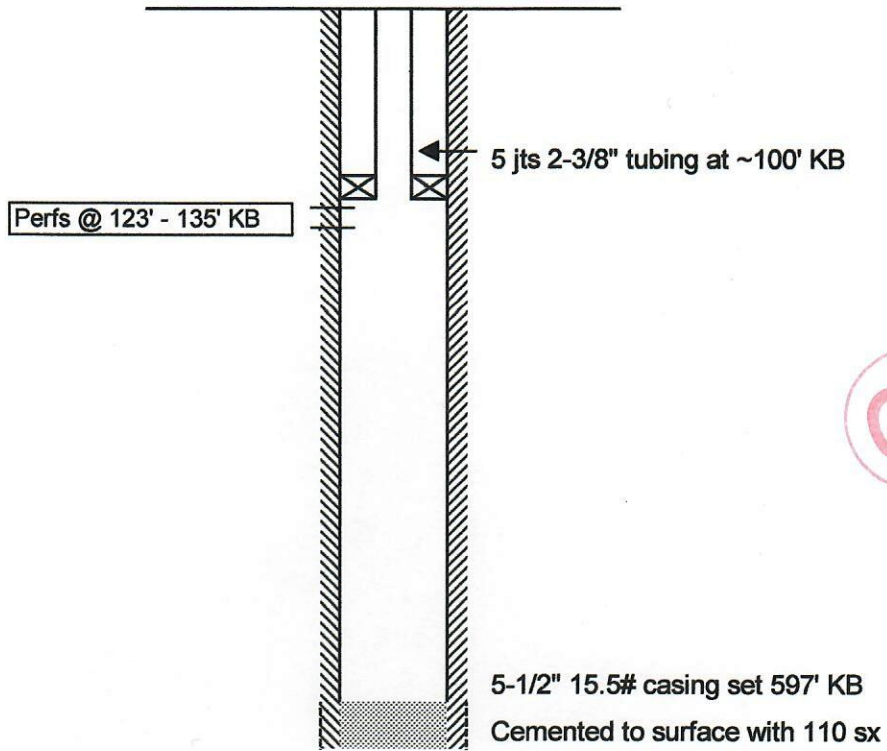
TD - 599' KB
PBTD - 552' KB

McCallum Unit #147
1505' FSL & 1351' FEL (NW SE) Sec 2-T9N-R79W
Jackson County, Colorado
Proposed Wellbore Configuration

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PBTD - 552' KB