



State of Colorado  
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

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: \_\_\_\_\_ API No: \_\_\_\_\_  
UIC Facility No: \_\_\_\_\_ (as assigned on an approved Form 31)  
Project Name: \_\_\_\_\_ Operator Name: \_\_\_\_\_  
Field Name and Number: \_\_\_\_\_ County: \_\_\_\_\_  
QtrQtr: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Range: \_\_\_\_\_ Meridian: \_\_\_\_\_

Complete the  
Attachment Checklist

	Oper	OGCC
Current Wellbore Diagram		
Proposed Wellbore Diagram		

CURRENT WELLBORE INFORMATION

	SIZE	DEPTH	NO. SACKS	CEMENT TOP	Cement Top Determined By:		
					CBL	CIRCULATED	CALCULATED
Surface Casing					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermediate Casing (if any)					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Production Casing					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Plug Back Total Depth: \_\_\_\_\_ Tubing Depth: \_\_\_\_\_ Packer Depth: \_\_\_\_\_

\_\_\_\_\_ Formation Gross Perforation Interval: \_\_\_\_\_ to \_\_\_\_\_

\_\_\_\_\_ Formation Gross Perforation Interval: \_\_\_\_\_ to \_\_\_\_\_

\_\_\_\_\_ Formation Open Hole Interval (if any): \_\_\_\_\_ to \_\_\_\_\_

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. \_\_\_\_\_
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. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
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: \_\_\_\_\_

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

MAX. SURFACE INJECTION PRESSURE: \_\_\_\_\_ If Disposal Well, MAX. INJECTION VOL. LIMIT: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

## Well Completion Diagram

API Well No: 05-087-05179-00-									
Owner:		WESTERN OPERATING COMPANY				Well Name:		PETERSON P F	
County:		MORGAN		Field:		SAND RIVER		Pool:	
Coordinates: X		2310 FEL		; Y		330 FSL		Sec: 22 Twp: 1N Rng: 56W	

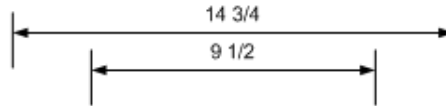
Note: Changes to the drawing do not effect the database

Legal Location:

SWSE Sec:22 T1N R56W 6PM

Date of Diagram: 4/9/1958

Bore Diameters (in.)



Cement Top: 0' mthd:U

10 3/4" SURF 132'

Weight: 29

Cement Top: 4,500' mthd:U

Weight: 15.5

Perfs. 5,144-5,151'

5 1/2" 1ST 5,179'

**FORMATION** **LOG TOP**

NIOBRARA 4225

TIMPAS 4660

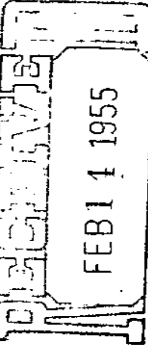
CARLILE 4709

GREENHORN 4774

DAKOTA 5100

Total Vertical Depth 10,000'

22		
		X



## LOG OF OIL AND GAS WELL

HHM  
AH  
JJD  
FILE

OIL &amp; GAS

## CONSERVATION COMMISSION

Field Sand River Pool County Morgan Company Skelly Oil Company  
Lease P. F. Peterson Address Drawer 310 - Sterling, ColoradoWell No. 1 Sec. 22 Twp. 1N Rge. 56W Meridian --- State or Pat. Pat. ---Location 330 Ft. 330 of south Line and 2310 Ft. (W) of east line of sec. 4500  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed C. J. BassDate February 10, 1955 Title District Superintendent

The summary on this page is for the condition of the well as above date.

Commenced drilling August 16, 19 54 Finished drilling August 23, 19 54

## OIL AND GAS SANDS OR ZONES

No. 1. from 5106 to 5110 No. 4. from --- to ---No. 2. from 5125 to 5151 No. 5. from --- to ---No. 3. from --- to --- No. 6. from --- to ---

## IMPORTANT WATER SANDS

No. 1. from None to --- No. 3. from --- to ---No. 2. from --- to --- No. 4. from --- to ---

## CASING RECORD

SIZE	WT. PER FOOT	MAKE	WHERE LANDED	NO. OF SKS. CEMENT	STOOD HOURS	PRESSURE TEST PSI
10-3/4"	29#	Armco	132	100	24	130#
5-1/2"	15.5#	SS J-55	5179	250	72	1000#

## COMPLETION DATA

Total Depth 5179 ft. Cable Tools from None to --- Rotary Tools from 0 to 5179  
Casing Perforations (prod. depth) from see back to --- ft. No. of holes ---  
Acidized with none gallons. Other physical or chemical treatment of well to induce flow none  
Shooting Record noneProd. began September 6, 19 54. Making 46 bbls./day of 36.8 A. P. I. Gravity Fluid on --- Choke. ☒ Pump  
Tub. Pres. None lbs./sq. in. Csg. Pres. 20 lbs./sq. in. Gas Vol. 25 Mcf. Gas Oil Ratio 250/1  
Length Stroke 44 in. Strokes per Min. 14 Diam. Pump 1 1/2 in.  
B. S. & W. --- % Gas Gravity --- BTUs/Mcf. --- Gals. Gasoline/Mcf. ---

## WELL DATA

Indicate (yes or no) whether or not the following information was obtained.

Electrical Log yes Date August 22, 19 54 Straight Hole Survey yes Type GeologicalDate --- 19 --- Other Types of Hole Survey None Type ---Time Drilling Record No (Note—Any additional data can be shown on reverse side.)Core Analysis yes Depth see back to ---

## FORMATION RECORD

Show all formations, especially all sands and character and contents thereof.

FORMATION	TOP	BOTTOM	REMARKS
Niobrara Chalk	4225		

# CASING PERFORATIONS CONTINUED

5151	5153	12 holes
5103	5108	12 holes
5106	5111	12 holes
5130	5144½	70 holes

## FORMATION RECORD CONTINUED

1st. Dakota "D" Sand 5100

Base 1st. Dakota "D" S 5169



CORE NO. 1 FROM 5100'-5107' RECOVERED 3'

6" Medium hard shaley sand stone, no show.

2' hard siltstone w/thin sand streaks.

6" laminated sand and shale.

CORE NO. 2 FROM 5108½'-5156' RECOVERED 47½'

1' 6" hard tight quart sand w/thin shale partings slight stain in top, odor thru out.

6" thin laminated sand and shale.

6" hard gray sand looks wet, no show.

1' laminated sand and shale.

7' 6" med. hd. siltstone w/scattered sand streaks

6' 6" laminated silt and sand, no show.

1' hard gray fine grained sand, spotty stain and fair odor, has vertical fractures

4' 6" laminated sand and shale part of sand streaks w/stain and odor.

6" hard fine grained sand w/light stain

**Peterson PF #1**  
SWSE Sec 22-1N-56W  
Morgan County, Colorado  
Existing Wellbore  
API #05-087-05179

Top of Cement - Surface

9 1/2" hole

FORMATION	LOG TOP
NIOBRARA	4225
TIMPAS	4660
CARLILE	4709
GREENHORN	4774
DAKOTA	5100

Surface Csg 10 3/4"  
132 Feet  
Weight: 29

Top of Cement  
4500'

Production Csg 5 1/2"  
Weight: 15.5

TD 5179'

Packer 5080'

D Sand Perfs  
5144'-5151'

