

Docket 7-2018

FORM NO. 2 R 10/09

ARM 36.22.307, 601, 605  
1003, 1004, 1011, 1013  
1103, 1222, 1240, 1301  
1306, 1309, and 1417

Submit In Quadruplicate To:

**MONTANA BOARD OF OIL AND GAS CONSERVATION**  
**2535 ST. JOHNS AVENUE**  
**BILLINGS, MONTANA 59102**

**RECEIVED**

**JAN 10 2018**

**SUNDRY NOTICES AND REPORT OF WELLS**

**MONTANA BOARD OF OIL & GAS CONSERVATION - BILLINGS**

Operator **Denbury Onshore, LLC**  
Address **5320 Legacy Drive**  
City **Plano** State **TX** Zip Code **75024**  
Telephone Number **(972) 673-2000** Fax Number ( )

Lease Name: **S&H Rentals**

Lease Type (Private/State/Federal):  
**Private**

Well Number: **23X-08**

Location of Well (1/4-1/4 section and footage measurements):  
**NE-SW 1606' FSL & 2160' FWL, Section 8, T14N-R55E**  
If directionally or horizontally drilled, show both surface and bottom hole locations)

Unit Agreement Name:

Field Name or Wildcat:  
**Glendive Field**

Section, Township, and Range:  
**Sec 8, T14N - R55E**

API Number:  
**25** **021** **21121**  
State County Well

Well Type (oil, gas, injection, other):  
**Oil**

County: **Dawson County, MT**

Indicate below with an X the nature of this notice, report, or other data:

- |   |                                     |  |                          |
|---|-------------------------------------|--|--------------------------|
| Notice of Intention to Change plans                     | <input type="checkbox"/>            | Subsequent Report of Mechanical Integrity Test         | <input type="checkbox"/> |
| Notice of Intention to Run Mechanical Integrity Test    | <input checked="" type="checkbox"/> | Subsequent Report of Stimulation or Chemical Treatment | <input type="checkbox"/> |
| Notice of Intention to Stimulate or to Chemically Treat | <input checked="" type="checkbox"/> | Subsequent Report of Perforation or Cementing          | <input type="checkbox"/> |
| Notice of Intention to Perforate or to Cement           | <input checked="" type="checkbox"/> | Subsequent Report of Well Abandonment                  | <input type="checkbox"/> |
| Notice of Intention to Abandon Well                     | <input type="checkbox"/>            | Subsequent Report of Pulled or Altered Casing          | <input type="checkbox"/> |
| Notice of Intention to Pull or Alter Casing             | <input type="checkbox"/>            | Subsequent Report of Drilling Waste Disposal           | <input type="checkbox"/> |
| Notice of Intention to Change Well Status               | <input checked="" type="checkbox"/> | Subsequent Report of Production Waste Disposal         | <input type="checkbox"/> |
| Supplemental Well History                               | <input type="checkbox"/>            | Subsequent Report of Change in Well Status             | <input type="checkbox"/> |
| Other (specify) <u>Convert to Salt Water Disposal</u>   | <input checked="" type="checkbox"/> | Subsequent Report of Gas Analysis (ARM 36.22.1222)     | <input type="checkbox"/> |
|   | <input type="checkbox"/>            |  | <input type="checkbox"/> |

**Describe Proposed or Completed Operations:**

Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

**Denbury requests approval to convert the subject wellbore from Producer to SWD in the Mission Canyon-Lodgepole formation. Please see supporting documents for additional information. Public Notice has been submitted to the Glendive Ranger Review and Helena Independent Record for immediate publication.**

**BOARD USE ONLY**

Approved \_\_\_\_\_  
Date

Name Title

The undersigned hereby certifies that the information contained on this application is true and correct:

**1/8/2018**

Date

*Naomi Johnson*  
Signed (Agent)

**Naomi Johnson - Regulatory Compliance Specialist**

Print Name & Title

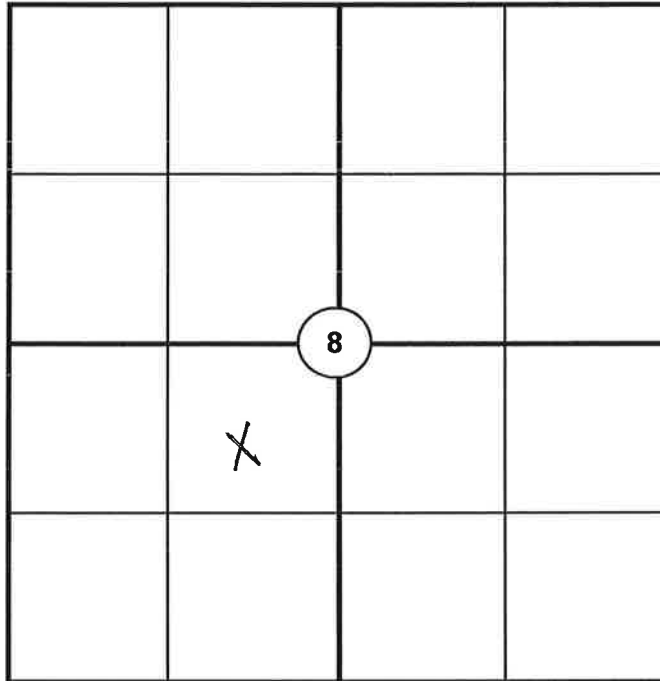
### SUPPLEMENTAL INFORMATION

NOTE: Additional information or attachments may be required by Rule or by special request.

Plot the location of the well or site that is the subject of this notice or report.

Range 55E

Township 14N



**BOARD USE ONLY**

**CONDITIONS OF APPROVAL**

The operator must comply with the following condition(s) of approval:

Failure to comply with the conditions of approval may void this permit.

**Convert to SWD Procedure**

**S&H Rentals #23X-8**

API#: 2502121121, Sec 8 – T14N - R55E

Dawson County, MONTANA

**OBJECTIVE OF OPERATION:**

- TA Red River
- Complete as Mission Canyon Salt Water Disposal



## **Procedure:**

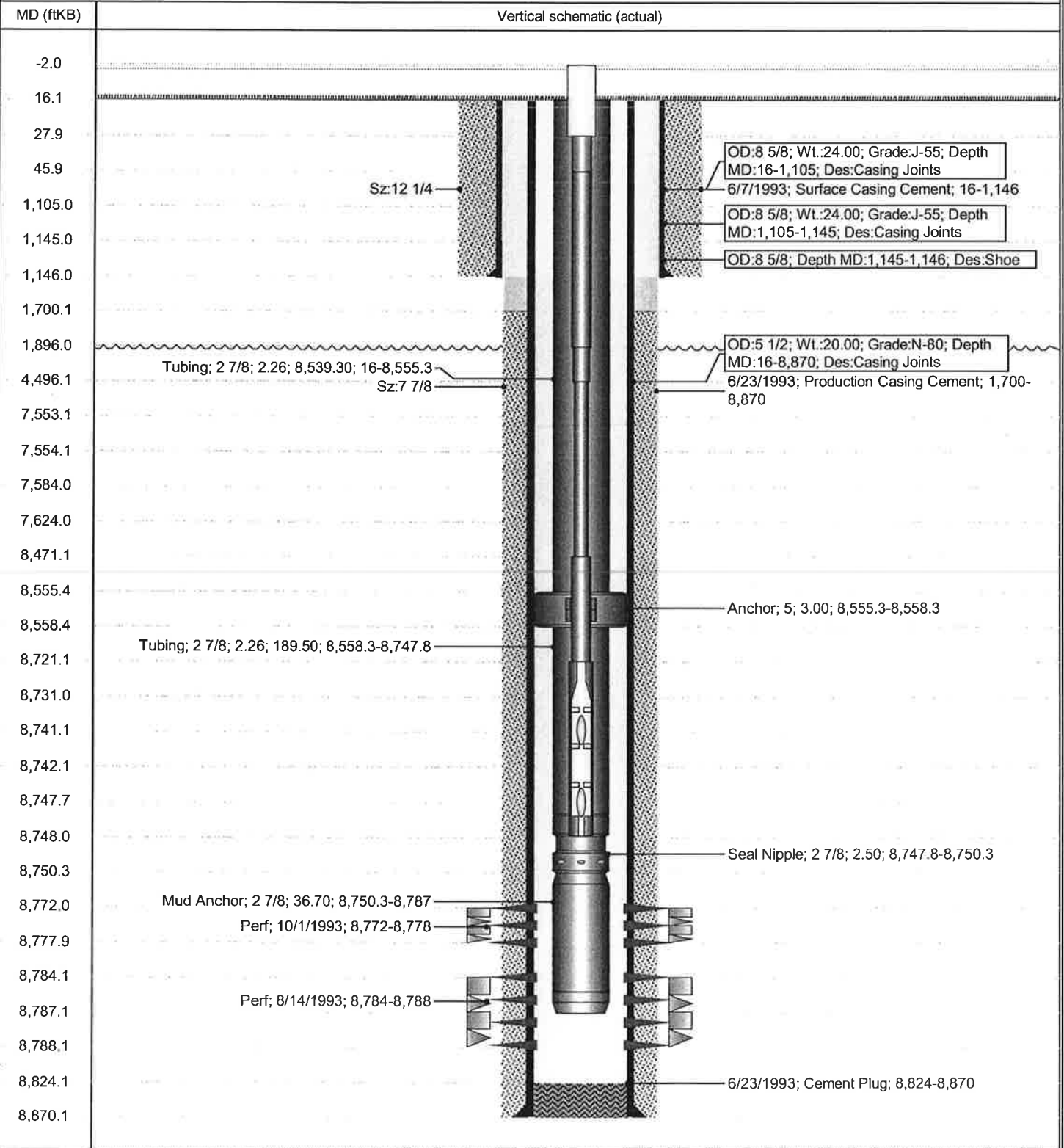
1. **NOTE: Check local Well File before beginning job. Check location and anchors.**
2. MIRU workover rig. Check well pressures. Remove horses head.
3. POOH and LD rods and pump.
4. NU BOP. Test BOPs as per Denbury standards.
5. Release anchor, POOH and lay down 2-7/8" tubing.
6. PU bit and scrapper, Clean out to PBTD of  $\pm 8,870'$ . Circulate hole clean, TOOH.
7. TIH w/CICR on workstring, set CICR @8742' (30' above top perf). Establish injection rate and pressure. If perforations are plugged off alter the next step to spotting 200' balanced plug to isolate the Red River. Test csg to 800# (report any leaks and remediate)
8. MIRU Cementing Unit. Lay and test lines. Mix and pump 100 sx of cement to squeeze the Red River Interval. Sting out of retainer and leave 5 sx on top of CICR. Circulate hole clean. TOOH 5 stands. WOC. RDMO Cementers.
9. TIH to tag cement before TOOH.
10. MIRU Wireline to perforate Mission Canyon from 7574'-7650' (76' total) at 4 spf, 90° Phasing (charges/exact perf depths TBD).
11. RIH with test packer and workstring. Set packer @  $\pm 7534'$  and establish injection rate. Stimulate well if necessary with acid and bio balls. Flow back load if well will flow.
12. POOH and lay down packer and work string.
13. PU retrievable packer and 2-7/8" coated tubing (IPC) with packer @  $\pm 7,534'$ . Hydro test tubing while TIH.
14. Circulate packer fluid. Set packer @  $\pm 7,534'$ . Land tubing, ND BOP, NU Wellhead. Pressure test to 800#.
15. RD MO WO rig. Clean location.
16. MIT well once permit is issued.
17. Put well on injection once state has approved.

**S&H Rentals #23X-8**

Sect 8	Tw... 014	Tw... N	Rng 55	Rt... E	Surface Legal Location: Section 8 - T14N - R55E			Fault Block:		
Field Name Glendive	API/UWI 25021211210000	State ID#	Well Status SIUR - Shut-in Uneconomical to Repair	Well Configuration Type Vertical	Assoc.TB/TestSite	Latitude 46° 58' 52.692" N	Longitude 104° 47' 9.555" W			
Gr Elev (ft) 2,089.00	Orig KB Elev (ft) 2,105.00	KB-Grd (ft) 16.00	Total Depth (All) (ftKB) Original Hole - 8,870.0	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)					
Spud Date 6/4/1993	TD Date 6/22/1993	Rig Release Date 6/25/1993	Completion Start D... 8/12/1993	Completion End Date 8/18/1993	On Production Date 9/19/1993	First Sales Date	First Inj Date	First Date CO2 Flood	Abandon Date	

TD: 8,870.00

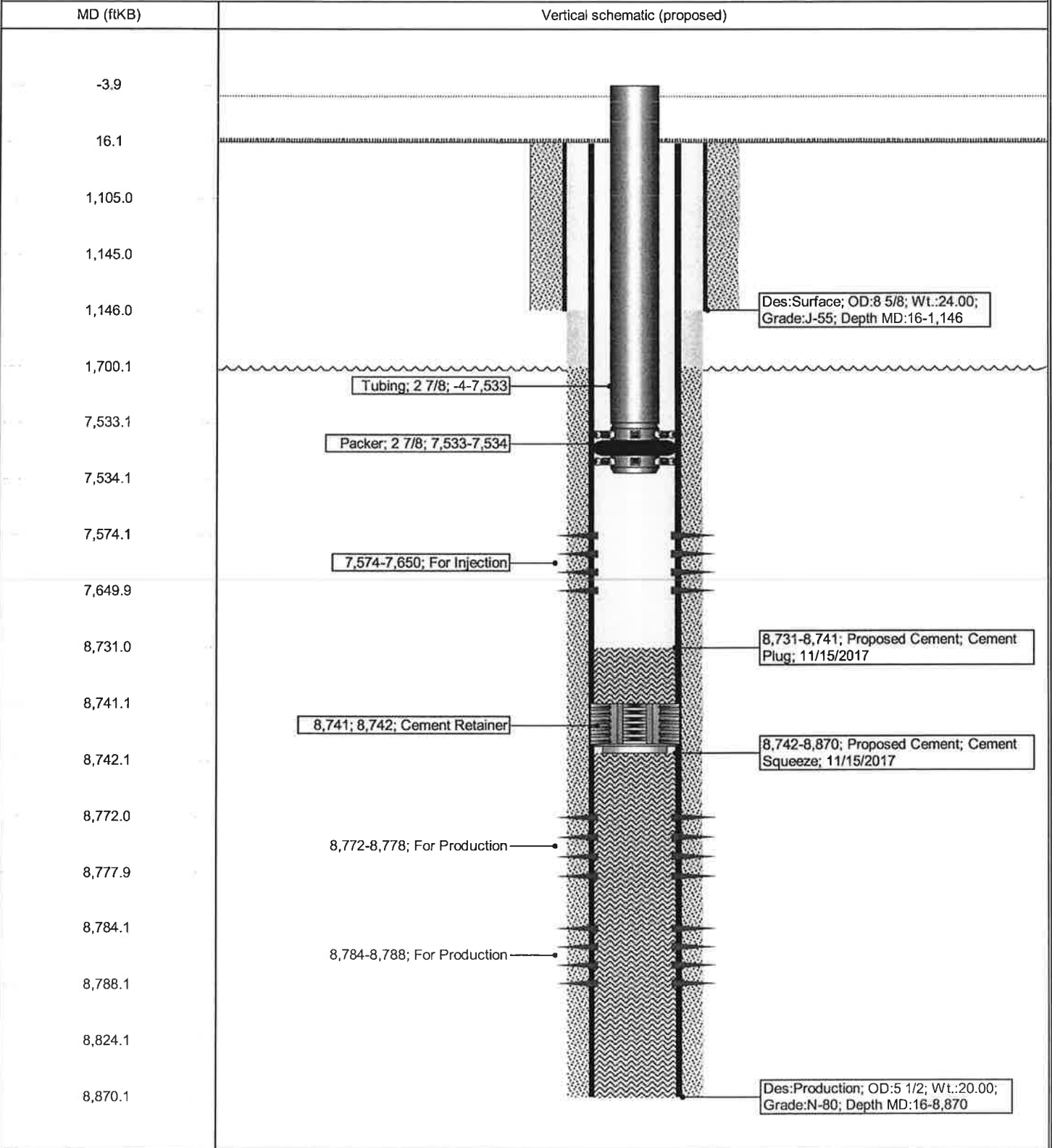
Vertical - Original Hole, 12/15/2017 2:53:21 PM



**S&H Rentals #23X-8**

Secl 8	Tw... 014	Tw... N	Rng 55	Rn... E	<b>Surface Legal Location: Section 8 - T14N - R55E</b>				<b>Fault Block:</b>					
Field Name Glendive		API/UWI 25021211210000			State ID#		Well Status SIUR - Shut-in Uneconomical to Repair		Well Configuration Type Vertical		Assoc.TB/TestSite		Latitude 46° 58' 52.692" N	Longitude 104° 47' 9.555" W
Gr Elev (ft) 2,089.00		Orig KB Elev (ft) 2,105.00		KB-Grd (ft) 16.00	Total Depth (All) (ftKB) Original Hole - 8,870.0				Total Depth All (TVD) (ftKB)				PSTD (All) (ftKB)	
Spud Date 6/4/1993		TD Date 6/22/1993		Rig Release Date 6/25/1993	Completion Start D... 8/12/1993	Completion End Date 8/18/1993	On Production Date 9/19/1993	First Sales Date	First Inj Date	First Date CO2 Flood	Abandon Date			

**TD: 8,870.0** Vertical - Original Hole, 12/18/2017 10:55:15 AM



**MONTANA BOARD OF OIL AND GAS CONSERVATION  
UNDERGROUND INJECTION CONTROL PERMIT APPLICATION**

Denbury Onshore, LLC  
Well No. S&H Rentals 13X-08  
Glendive Field  
Section , T14N-R55E  
Dawson, Montana

Area of Review

The area of review (AOR) is a fixed radius of ¼ mile from the well bore of the subject well. The area of review is shown on the attached map.

Notification of Surface Owner(s)

Surface owners holding properties within the prescribed AOR were notified of Denbury's intent to apply for a permit to commence water injection into the subject well bore. Notification by registered mail was sent to the following surface owner(s):

Trangmoe Land LLP  
115 Cooke St.  
Glendive, MT 59330-2016

Dale Schendel and Wendi L. Trustees  
6038 Glass Dr.  
Helena, MT 59602-6454

Attached is a copy of the letters sent to surface owners, giving notice of our intent to apply for this injection permit.

Public Notification

Notice of intent to apply for a permit to inject water into the subject well has also been posted in the following newspapers for public inspection.

Helena Independent Record  
Attn: Billie Jo Williams  
P.O. Box 4249  
Helena, Montana 59604-4249

Glendive Ranger Review  
Attn: Elizabeth Kaiser  
P.O. Box 61  
Glendive, Montana 59330

Also attached is a copy of the legal notice submitted to the newspapers which provided the public with knowledge of our intent to apply for an injection permit.

Fresh Water Sources (Surface & USDW) within the AOR

There is one fresh water well located within a ½ mile radius of the subject well. A search of the Montana Ground Water Information Center database identified the well as GWIC 702167. See attachment.

No known surface or underground sources of drinking water will be affected by salt water injection into the subject well.

Existing Well Bores within the AOR

There is one wellbore that falls within the ¼ mile radius of the S&H Rentals 23X-08. A down hole schematic for this well bore is attached.

The Larson 24-8 (25-021-05227) is an active SWD well.

Corrective Action Proposal

No corrective action is deemed necessary for the subject well or other existing wells contained within the ¼ mile AOR.

Formation Tops

<u>Formation</u>	<u>MD (ft)*</u>
Greenhorn	2760'
Dakota	3693'
Spearfish	5227'
Minnekahta Limestone	5534'
Heath	5991'
Kibby Limestone	6616'
Ratcliffe	7065'
Mission Canyon	7134'
Lodgepole	7806'
Siluro-Ordovician	8260'
Stony Mountain	8575'
Red River	8722'

\*KB Elevation 2105'

Injection Pressures (Minnelusa)

Surface fracture Pressure = [Fracture Gradient x Depth to Perforations] –  
[S.G. of Injected Fluids x 0.433 psi/ft x Depth to  
Perforations] + Tubing Friction (assumed Negligible)

Depth to top perforation = 7134'

S.G. of Injection Fluid = Approximately 1.020 (see representative water analysis)



Fracture Gradient = Approximately 0.8 psi/ft

$$\begin{aligned}\text{Surface Fracture Pressure} &= [0.8 \text{ psi/ft} \times 7134'] - [1.020 \times 0.433 \text{ psi/ft} \times 7134'] \\ &= 5707 \text{ psi} - 3151 \text{ psi} \\ &= 2556 \text{ psi}\end{aligned}$$

#### Operating Data

Actual operating conditions will be limited to a pressure not exceeding fracture pressure or pressure that causes fluid to go out of zone. Based on attached calculations, we request a permit for a limiting surface pressure of 2556 psi, the fracture pressure at the Mission Canyon top perforation.

The annular space between the tubing and casing will be filled with fresh water treated with a corrosion inhibitor, a scale inhibitor and an oxygen scavenger as outlined in the construction procedures.

Injected fluids into the subject well will be field salt-water from the Glendive Unit. A representative analysis of the injectate is attached.

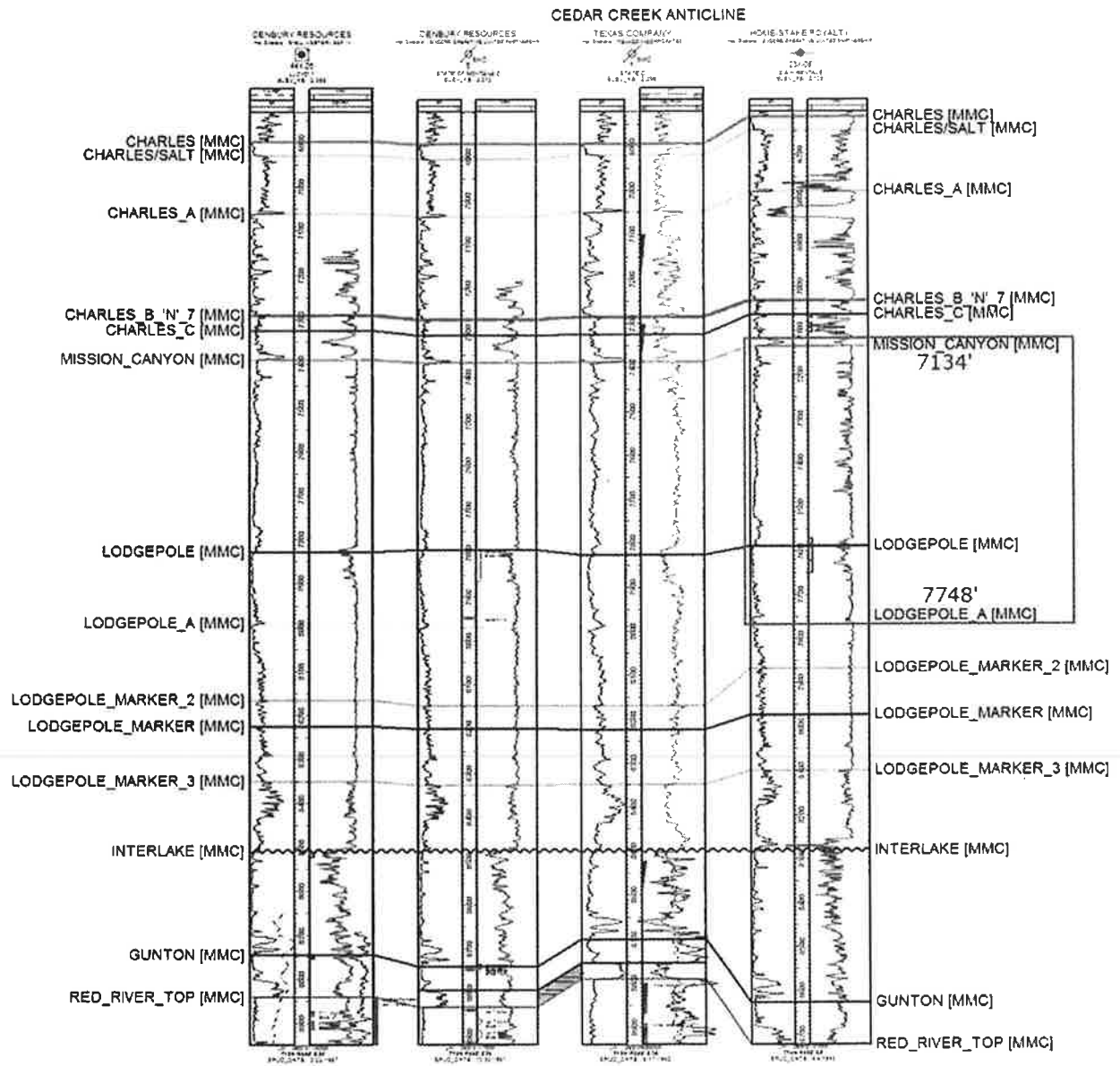
#### Conversion Procedures

The S&H Rentals 23X-08 is currently a shut-in producer in the Red River formation. Denbury desires approval to perform conversion operations on the subject well in advance of salt water disposal approval. Work on the well would proceed, however injection would not commence until official approval is received from the Board. Contract personnel, working according to Denbury's plan, specifications, and safety practices may be employed to perform some or all of the actual onsite conversion operations.

#### Aquifer Exemption

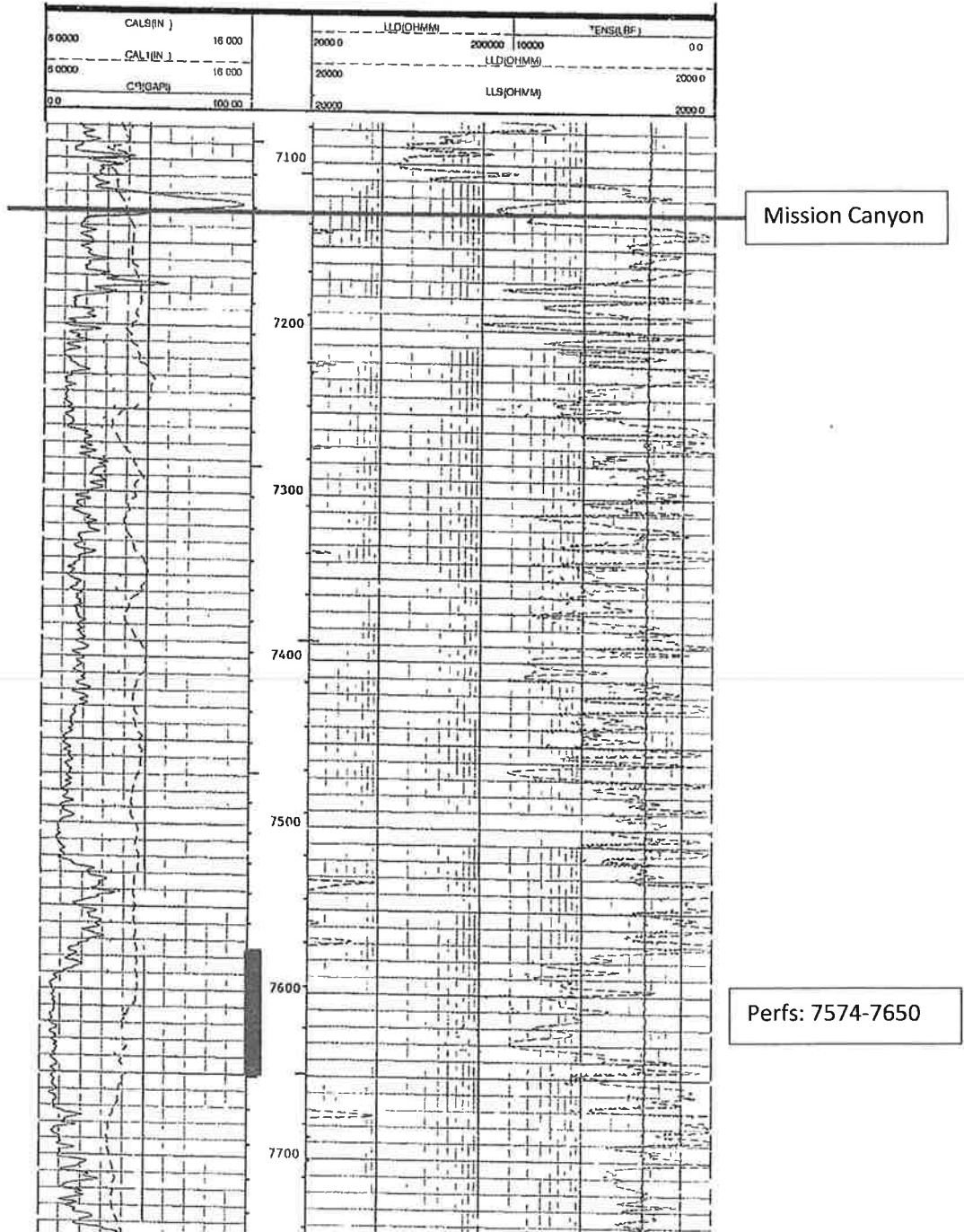
An Aquifer Exemption will not be required.

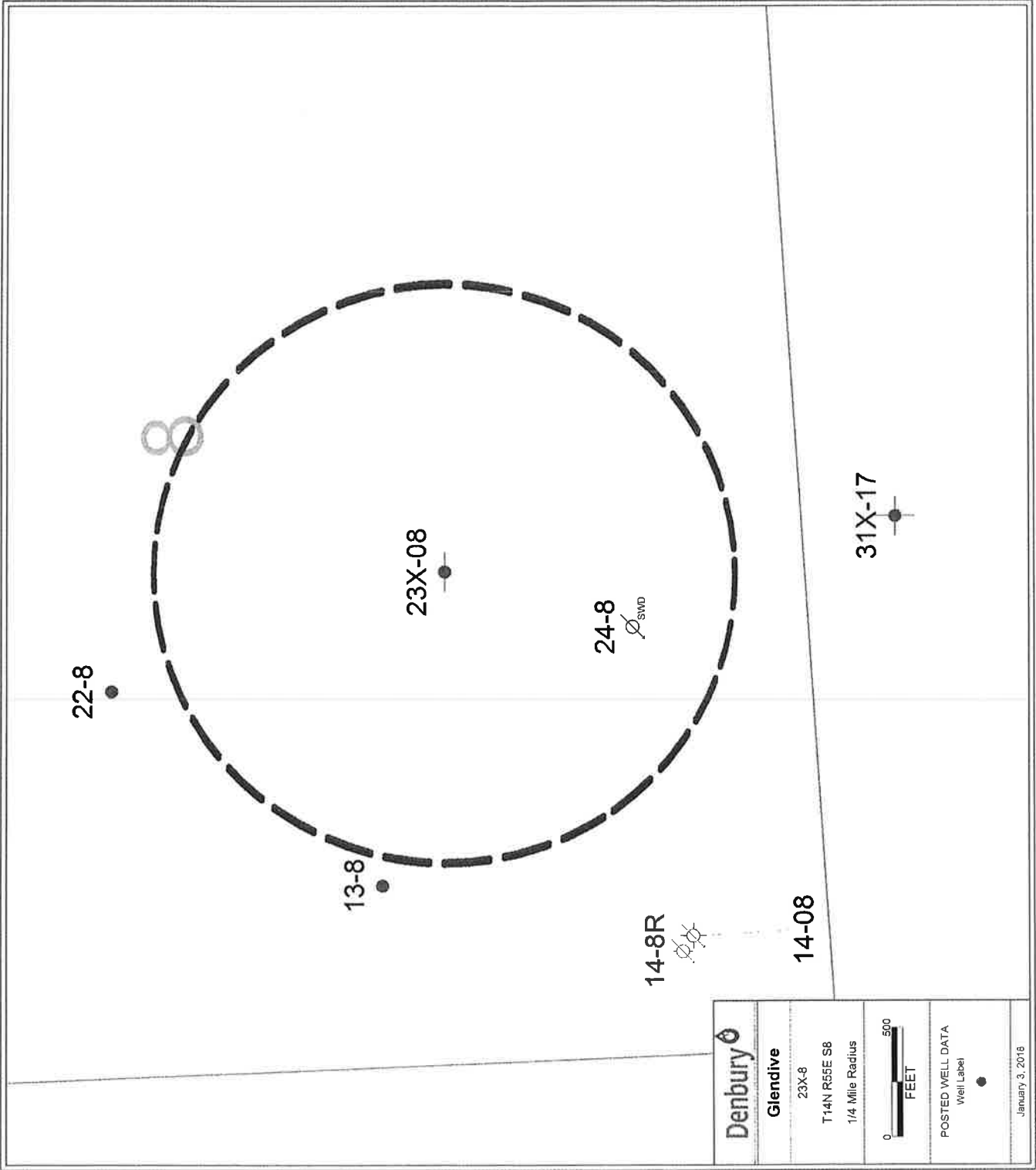
# S&H Rentals 23X-08 - Mission Canyon-Lodgpole SWD



# 23X-08

Twn 14N Rge 55E Sec 8  
25021211210000





Larson #A 24-8H SWD

Sect	Tw...	Tw...	Rng	Rn...
8	014	N	55	E

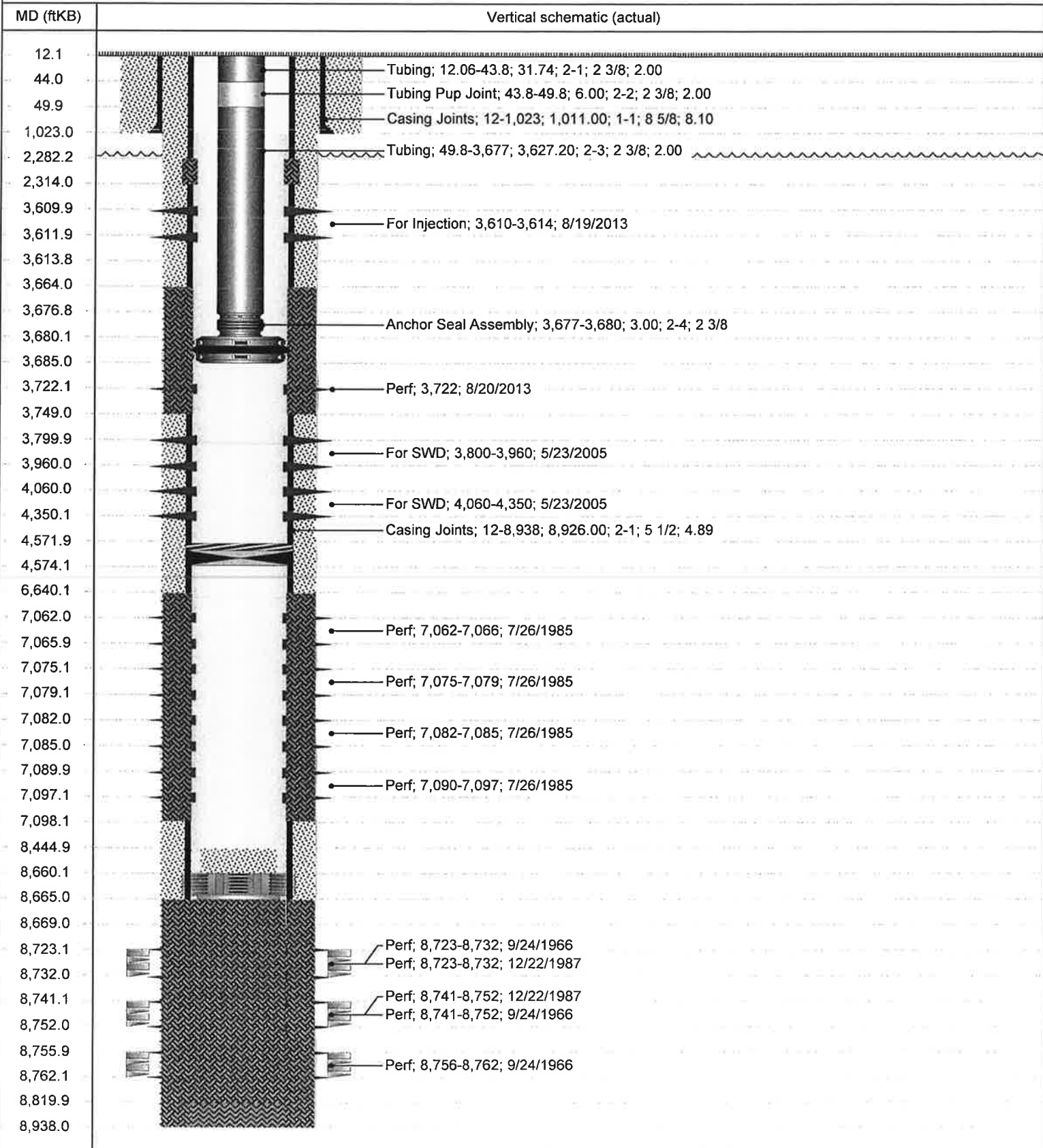
Surface Legal Location: Section 8 - T14N - R55E

Fault Block:

Field Name Glendive		API/UWI 25021052270000		State ID#		Well Status A - Active		Well Configuration Type		Assoc.TB/TestSite		Latitude 46° 58' 43.332" N		Longitude 104° 47' 12.291" W					
Gr Elev (ft) 2,090.00		Orig KB Elev (ft) 2,102.00		KB-Grd (ft) 12.00		Total Depth (All) (ftKB) Original Hole - 8,938.0				Total Depth All (TVD) (ftKB)				PBTD (All) (ftKB)					
Spud Date 8/22/1966		TD Date 9/10/1966		Rig Release Date 9/27/1966		Completion Start D...		Completion End Date 11/7/1966		On Production Date		First Sales Date		First Inj Date		First Date CO2 Flood		Abandon Date	

TD: 8,938.00

Original Hole, 1/4/2018 2:30:58 PM



LOCATE WELL CORRECTLY

		. 24-8	

(SUBMIT IN TRIPLICATE)  
TO

OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF MONTANA  
BILLINGS OR SHELBY



Form No. 4  
(Gen. Rule 206.3 & 231)

### LOG OF WELL

Company Shell Oil Company Lease Larson Well No. 24-8  
 Address 1700 Broadway Denver, Colorado 80202 Field (or Area) Glendive Field  
 The well is located 660 ft. from (N) line and 1980 ft. from (E) line of Sec. 8  
 Sec. 8; T. 14N; R. 55E; County Dawson; Elevation 2090 GL, 2102 KB  
 (D.F., R.B. or G.L.)  
 Commenced drilling August 19, 1966; Completed November 7, 1966

The information given herewith is a complete and correct record of the well. The summary on this page is for the condition of the well at the above date.

Completed as oil well (oil well, gas well, dry hole)  
 Signed [Signature]  
 Title Division Exploitation Engineer  
 Date November 21, 1966

#### IMPORTANT ZONES OF POROSITY

(denote oil by O, gas by G, water by W; state formation if known)

From <u>8350</u> to <u>8390 - 0</u>	From <u>8772</u> to <u>8790 1/2 - 0</u>
From <u>8430</u> to <u>8540 - 0</u>	From <u>8812</u> to <u>8817 - 0</u>
From <u>8600</u> to <u>8713 - 0</u>	From <u>8890</u> to <u>8920 - 0</u>
From <u>8717</u> to <u>8768 - 0</u>	From _____ to _____

#### CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sacks of Cement	Cut and Pulled from
8-5/8"	24#			1023	0	1023	365	0
5-1/2"	14, 15, 5&17#	J-55 & P-110	ST&C&LT&C	8938	0	8938	560	0

#### TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations



#### COMPLETION RECORD

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA - BILLINGS

Rotary tools were used from 0 to TD  
 Cable tools were used from \_\_\_\_\_ to \_\_\_\_\_  
 Total depth 8938 ft.; Plugged back to 8820 T.D.; Open hole from \_\_\_\_\_ to \_\_\_\_\_

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED			
Interval From	Interval To	Number and Size and Type	Interval From	Interval To	Amount of Material Used	Pressure
		As per attachment			As per attachment	

(If P&A show plugs above)

#### INITIAL PRODUCTION

Well is producing from Red River (pool) formation.  
 I.P. 120 barrels of oil per 24 hours pumping  
 (pumping or flowing)  
34.5 Mcf of gas per 24 hours.  
298 barrels of water per 24 hours, or \_\_\_\_\_ % W.C.  
 (OVER)



**MONTANA WELL LOG REPORT**

**Other Options**

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Return to menu](#)  
[Plot this site in State Library Digital Atlas](#)  
[Plot this site in Google Maps](#)  
[View field visits for this site](#)

**Site Name:**  
**GWIC Id: 702167**

**Section 7: Well Test Data**

Total Depth: 13  
 Static Water Level:  
 Water Temperature:

**Section 1: Well Owner(s)**

**Section 2: Location**

Township	Range	Section	Quarter Sections	Geocode	
14N	55E	7	NE¼ SE¼ SE¼		
<b>County</b>					
DAWSON					
Latitude	Longitude	Geomethod	Datum	Datum Date	
46.9736	-104.8055	UNKNOWN	NAD27		
Ground Surface Altitude		Ground Surface Method	Datum	Date	
2134					
Addition	Block		Lot		

**Unknown Test Method \***

Yield \_ gpm.  
 Pumping water level \_ feet.  
 Time of recovery \_ hours.  
 Recovery water level \_ feet.

*\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

**Section 3: Proposed Use of Water**

STOCKWATER (1)

**Section 8: Remarks**

**Section 4: Type of Work**

Drilling Method: BORED  
 Status: NEW WELL

**Section 9: Well Log**

**Geologic Source**

Unassigned  
 Lithology Data

**Section 5: Well Completion Date**

Date well completed: Monday, January 01, 1951

There are no lithologic details assigned to this well.

**Driller Certification**

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

**Section 6: Well Construction Details**

There are no borehole dimensions assigned to this well.  
 There are no casing strings assigned to this well.  
 There are no completion records assigned to this well.

**Annular Space (Seal/Grout/Packer)**

There are no annular space records assigned to this well.

<p><b>Name:</b></p> <p><b>Company:</b></p> <p><b>License No: -</b></p> <p><b>Date Completed: 1/1/1951</b></p>
---



BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

In the Matter of the application of )  
 )  
Denbury Onshore, LLC )  
 )  
for a Permit to Convert an Existing Well to Water Injection Use. )

NOTICE OF  
INTENTION TO APPLY  
FOR A CLASS II INJECTION  
WELL PERMIT

1. Name and address of Applicant:  
**Denbury Onshore, LLC**  
**5320 Legacy Drive**  
**Plano, TX 75024**
2. Legal Description including County and Approximate Footages of Surface Location of Proposed Oil and Gas Well:  
( and projected bottom-hole location, if a directional or horizontal well)  
**S&H Rentals 23X-08 Location: NESW, 1606' FSL & 2160' FWL, Sec. 8, T14N-R55E Dawson County, MT**
3. Source of fluids to be injected:  
**Produced Water from Denbury Onshore, LLC Operations located in the Glendive Field.**
4. Zone or formation, including depth, into which fluid will be injected.  
**Mission Canyon-Lodgpole Formation at approximately 7134'-7748'.**
5. Statement that an Aquifer Exemption will or will not be requested.  
**An Aquifer Exemption is not required.**

Notice is hereby given that an application for a Class II injection Well Permit at the surface location set forth above will be filed with the Montana Board of Oil and Gas Conservation. Pursuant to Rules 36.22.1409, Administrative Rules of Montana, a public hearing will be held regarding said application. The hearing will be held at the Board of Oil & Gas in the Conservation Hearing Room, Billings, Montana on **Thursday, February 15, 2018**. An interested party may demand opportunity to be heard by the Montana Board of Oil and Gas Conservation concerning said application.

Montana Board of Oil and Gas Conservation

2535 St. Johns Avenue  
Billings MT 59102  
Office: (406) 656-0040  
Fax: (406) 655-6015

**Naomi Johnson**

---

**From:** Lynn Hencley <Lynn.Hencley@helenair.com>  
**Sent:** Thursday, January 04, 2018 9:57 AM  
**To:** Naomi Johnson  
**Subject:** [EXT] RE: Public Notice for Publication - S&H Rentals 23X-08

BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
NOTICE OF INTENTION TO APPLY  
FOR A CLASS II INJECTION WELL PERMIT

In the Matter of the application of  
**DENBURY ONSHORE, LLC**

for a Permit to Convert an Existing Well to Water Injection Use.

1. Name and address of applicant:

**Denbury Onshore, LLC**  
5320 Legacy Drive  
Plano, TX 75024

2. Legal Description including County and Approximate Footages of Surface Location of Proposed Oil and Gas Well:  
(and projected bottom-hole location, if a directional or horizontal well)

**S&H Rentals 23X-08 Location: NESW, 1606' FSL & 2160' FWL, Sec. 8, T14N-R55E Dawson County, MT.**

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Montana Board of Oil and Gas Conservation  
2535 St. Johns Avenue  
Billings MT 59102  
Office: (406) 656-0040  
Fax: (406) 655-6015  
January 5, 2018

**MNAXLP**

**\$148.42**

**Lynn Hencley**

**Classified Recruitment Rep/Legal Adv.**

Independent Record | 2222 Washington St. | P.O. Box 4249 | Helena, MT 59604

406-447-4069 [lynn.hencley@helenair.com](mailto:lynn.hencley@helenair.com)

*the*  
**HEART** *of the community*  
Independent Record | [helenair.com](http://helenair.com)

**From:** Naomi Johnson [mailto:[naomi.johnson@denbury.com](mailto:naomi.johnson@denbury.com)]  
**Sent:** Tuesday, January 02, 2018 12:43 PM  
**To:** Hel IR Legal Ads  
**Subject:** Public Notice for Publication - S&H Rentals 23X-08

Good Afternoon,

Please have the attached Public Notice published as soon as possible. I've attached a pdf as well as an excel format. Also please let me know how you would like payment, whether it be a check or if you accept credit card and I

will get that processed for you. Please let me know if you have any questions or if anything else is needed before this can be published.

Thank you so much!

Naomi Johnson

**Regulatory Compliance Specialist | North Region**

Denbury Resources Inc | 5320 Legacy Dr | Plano, TX 75024

Phone: 972-673-2552 | Email: [naomi.johnson@denbury.com](mailto:naomi.johnson@denbury.com)



BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

In the Matter of the application of )  
 )  
**Denbury Onshore, LLC** )  
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for a Permit to Convert an Existing Well to Water Injection Use. )  
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WELL PERMIT

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5. Statement that an Aquifer Exemption will or will not be requested.  
**An Aquifer Exemption is not required.**

Notice is hereby given that an application for a Class II injection Well Permit at the surface location set forth above will be filed with the Montana Board of Oil and Gas Conservation. Pursuant to Rules 36.22.1409, Administrative Rules of Montana, a public hearing will be held regarding said application. The hearing will be held at the Board of Oil & Gas in the Conservation Hearing Room, Billings, Montana on **Thursday, February 15, 2018**. An interested party may demand opportunity to be heard by the Montana Board of Oil and Gas Conservation concerning said application.

Montana Board of Oil and Gas Conservation

2535 St. Johns Avenue

Billings MT 59102

Office: (406) 656-0040

Fax: (406) 655-6015

## Naomi Johnson

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**From:** Elizabeth Kaiser <rrcomp@rangerreview.com>  
**Sent:** Wednesday, January 03, 2018 11:19 AM  
**To:** Naomi Johnson  
**Subject:** [EXT] Re: Public Notice for Publication - S&H Rentals 23X-08

Naomi,

I have this scheduled to publish in the 1/4/2018 issue of the Ranger-Review. The cost is \$32 and we would be happy to take a card by phone. Just ask for the office manager.

Happy New year!

Elizabeth

On Jan 3, 2018, at 8:09 AM, Naomi Johnson <[naomi.johnson@denbury.com](mailto:naomi.johnson@denbury.com)> wrote:

Good Morning!

I just wanted to make sure you received the attached Public Notice yesterday and see if there was any way this could get published in your paper this week. Please let me know!

Thanks so much,  
Naomi

---

**From:** Naomi Johnson  
**Sent:** Tuesday, January 02, 2018 1:43 PM  
**To:** 'rrcomp@rangerreview.com' <rrcomp@rangerreview.com>  
**Subject:** Public Notice for Publication - S&H Rentals 23X-08

Good Afternoon,

Please have the attached Public Notice published as soon as possible. I've attached a pdf as well as an excel format. Also please let me know how you would like payment, whether it be a check or if you accept credit card and I will get that processed for you. Please let me know if you have any questions or if anything else is needed before this can be published.

Thank you so much!

Naomi Johnson  
**Regulatory Compliance Specialist | North Region**  
Denbury Resources Inc | 5320 Legacy Dr | Plano, TX 75024  
Phone: 972-673-2552 | Email: [naomi.johnson@denbury.com](mailto:naomi.johnson@denbury.com)  
<image001.jpg>

<S&H Rentals 23X-08 Public Notice.xls><S&H Rentals 23X-08 - Public Notice - Glendive Ranger Review.pdf>

Elizabeth Kaiser  
[rrcomp@rangerreview.com](mailto:rrcomp@rangerreview.com)  
406-377-3303

SATHE ANALYTICAL LABORATORY, INC.

301 W. 2ND STREET

P.O. BOX 1527  
WILLISTON, ND. 58801

701-572-3632

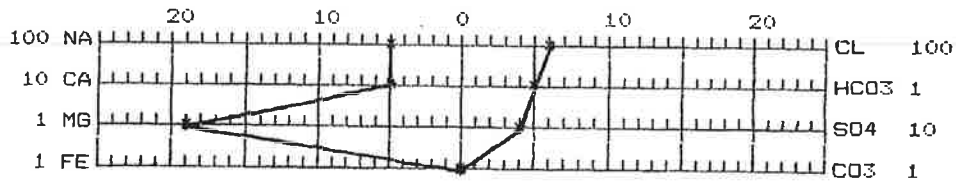
WATER ANALYSIS REPORT

OPERATOR: ENCORE OPERATING L.P.                      DATE: 12/11/09  
 WELL NO. NORTH PINE 24-19CH                      LAB NO.: W-09-3402  
 FIELD: North Pine                      FORMATION: Mission Canyon  
 COUNTY: Wibaux                      INTERVAL: 7611'-7748'  
 STATE: MT                      DST #:  
 LOC: not listed                      SAMPLE 44 BBLs 12/21/09 PRODUCED H2O

CATIONS	MG/L	MEQ/L	ANIONS	MG/L	MEQ/L
SODIUM	11950.0	519.8	CHLORIDE	20020.7	564.8
CALCIUM	1074.2	53.6	CARBONATE	0.0	0.0
MAGNESIUM	229.0	18.8	BICARBONATE	329.5	5.4
IRON	0.1	0.0	SULFATE	2137.8	44.5
POTASSIUM	329.0	8.4	NITRATE	0.0	0.0
BARIUM	0.0	0.0			
CHROMIUM	0.0	0.0			

SPECIFIC GRAVITY @ 77°F                      1.020 PH                      6.70  
 RESISTIVITY @ 77°F.ohm-meters                      0.254 NACL (Calc.)                      33013.7  
 TOTAL DISSOLVED SOLIDS (Calc.) MG/L                      36070.3                      HYDROGEN SULFIDE                      NEG

WATER ANALYSIS PATTERN -- MEQ/L



REMARKS - Received 12/9/09.

DISTRIBUTION OF RESULTS  
 Art DeGrand -- Baker MT.



Encore Operating LP  
 Broadus MT USA  
 Sample Marked: West Glendive 26 SWD  
 SAP SoldTo Number: 0001082193

Sample Number: NW1054645  
 Date Sampled: 31-Jan-2010  
 Date Received: 10-Feb-2010  
 Date Completed: 17-Feb-2010

Water Analysis Report

Cations/Metals	Total	
Aluminum (Al)	<1.4	mg/L
Barium (Ba)	1.5	mg/L
Boron (B)	120	mg/L
Cadmium (Cd)	<0.14	mg/L
Calcium (Ca)	3300	mg/L
Chromium (Cr)	<0.43	mg/L
Copper (Cu)	<0.87	mg/L
Iron (Fe)	75	mg/L
Lead (Pb)	<2.9	mg/L
Lithium (Li)	24	mg/L
Magnesium (Mg)	430	mg/L
Manganese (Mn)	0.24	mg/L
Molybdenum (Mo)	<0.9	mg/L
Nickel (Ni)	<0.29	mg/L
Potassium (K)	1300	mg/L
Silica (SiO2)	140	mg/L
Sodium (Na)	25000	mg/L
Strontium (Sr)	140	mg/L
Vanadium (V)	<0.29	mg/L
Zinc (Zn)	<0.14	mg/L
Calcium (CaCO3)	8400	mg/L
Magnesium (CaCO3)	1800	mg/L
Sodium (CaCO3)	54000	mg/L
Calculated Hardness (CaCO3)	10000	mg/L

Anions	
Bromide (Br)	<200.0 mg/L
Chloride (Cl)	54000 mg/L
Nitrate (NO3)	<200.0 mg/L
Nitrite (NO2)	<200.0 mg/L
Sulfate (SO4)	890 mg/L
Chloride (CaCO3)	76000 mg/L
Nitrate (CaCO3)	<160 mg/L
Sulfate (CaCO3)	920 mg/L

ALK - Alkalinity	
Bicarbonate (CaCO3)	160 mg/L
Methyl Orange (CaCO3)	160 mg/L
Phenolphthalein (CaCO3)	<10 mg/L

Authorized by : Jessica Rubino





Encore Operating LP  
Broadus MT USA  
Sample Marked: West Glendive 26 SWD  
SAP SoldTo Number: 0001082193

Sample Number: NW1054645  
Date Sampled: 31-Jan-2010  
Date Received: 10-Feb-2010  
Date Completed: 17-Feb-2010

### Water Analysis Report

**Others**

Conductivity 110000  $\mu$ S/cm  
pH 6.9 pH Units

Authorized by : Jessica Rubino





91 7199 9991 7032 7416 9908

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL

Denbury 

January 4, 2018



91 7199 9991 7032 7416 9908

Trangmoe Land LLP  
115 Cooke St.  
Glendive, MT 59330-2016

RE: Glendive Field  
S&H Rentals 23X-08  
Section 8, T14N-R55E  
Dawson County, MT

Dear Surface Land Owner,

Within the Glendive Field, Denbury Onshore, LLC plans to convert the S&H Rentals 23X-08 to a Salt Water Disposal well.

In accordance with the rules and regulations of the Montana Board of Oil and Gas Conservation (MBOGC)—administered Underground Injection Control (UIC) in Montana, Denbury is required to give notice to each owner of land within one-quarter mile radius of the well site, that we have applied for a permit to perform this work.

Therefore, as a landowner within the prescribed radius, we are hereby informing you that we have applied to the MBOGC for a permit to convert the subject well to salt water disposal. You may comment on the application at any time by mail or phone before the hearing, or be present at the hearing. The hearing will be held on Thursday February 15, 2018 at the Board of Oil & Gas in the Conservation Hearing Room. It is located at 2535 St. Johns Avenue, Billings, Montana 59102.

For further information, contact Naomi Johnson at (972) 673-2552 or George Hudak of the MBOGC at (406) 656-0040.

Sincerely,

Naomi Johnson  
Regulatory Compliance Specialist  
Denbury Onshore, LLC

91 7199 9991 7032 7416 9892

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

CERTIFIED MAIL

Denbury 

January 4, 2018



91 7199 9991 7032 7416 9892

Dale Schendel  
Wendi L. Trustees  
6038 Glass Dr.  
Helena, MT 59602-6454

RE: Glendive Field  
S&H Rentals 23X-08  
Section 8, T14N-R55E  
Dawson County, MT

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Sincerely,

Naomi Johnson  
Regulatory Compliance Specialist  
Denbury Onshore, LLC