



Majel M. Russell • Georgette H. Boggio • Daniel S. Wenner • Heather M. Ready • Marzha L. Fritzler

Attorneys at Law

November 19, 2021

Via Fax

Members, Montana Board of Oil & Gas Conservation
State of Montana
2535 St. Johns Ave.
Billings, MT 59102
Fax: (406) 652-5305

Re: In the Matter of the application of Lustre Oil Company, LLC for a Permit to Drill
an oil and gas well

Dear Members of the Montana Board of Oil and Gas Conservation:

We represent A&S Mineral Development Company, LLC ("A&S") and hereby respond on behalf of A&S to the Notice of Intention to Apply for Permit to Drill Oil and Gas Well ("Notice") at Olfert 11-4 made by Lustre Oil Company, LLC ("Lustre") and published on November 10, 2021.

A&S demands an opportunity to be heard before the Board concerning Lustre's Notice, pursuant to Rule 36.22.601 of the Administrative Rules of Montana. The contact information of the party making the demand for a hearing is:

A&S Mineral Development Company, LLC
P.O. Box 1027
501 Medicine Bear Road
Poplar, MT 59255
(406) 768-2389

A&S is wholly owned by the Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation ("Tribes"). A&S's specific reasons for requesting a hearing includes:

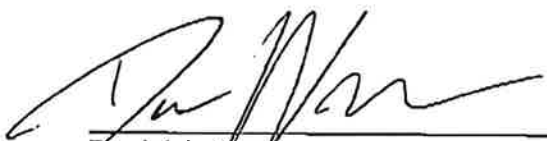
2501 4th Ave. North • P.O. Box 928 • Billings, Montana 59103
Telephone: (406) 259-8611 • Facsimile: (406) 259-3251
elkriverlaw@elkriverlaw.com

1 - 2022

1. A&S owns and operates wells, including the J. Reddig 1, near the surface location of the proposed oil and gas well. A&S does not know how this drilling will affect its wells adjacent to the drill site.
2. The plan submitted by Lustre to the Board indicate that Lustre's proposed location is near or directly on top of A&S's existing saltwater disposal pipeline.
3. The proposed location is adjacent to property held in trust for the Tribes and the Tribes and A&S do not know how this drilling will affect those trust lands.
4. The drill site appears to be near a water source and A&S does not know what mitigation measures Lustre will take to avoid water contamination.
5. How Lustre will dispose of wastewater from drilling or well production.
6. Lustre has not contacted the Tribes' Tribal Employment Rights Office nor its Office of Environmental Protection.
7. How Lustre plans to access the drilling site, including use of existing roads and rights of way.
8. What are Lustre's intentions for drainage from the proposed drilling site and possible well.

A&S demands a hearing to address the impact that the proposed well would have on the above issues.

Respectfully submitted,



Daniel S. Werner
Attorney for A&S Mineral Development Company, LLC

As required by Rule 36.22.601, on November 19, 2021, a copy of this demand for hearing has been served by mail upon the applicant to:

Lustre Oil Company, LLC
398 Sage Lane
Winnett, MT 59087

By:  _____

2501 4th Ave. North • P.O. Box 928 • Billings, Montana 59103
Telephone: (406) 259-8611 • Facsimile: (406) 259-3251
elkriverlaw@elkriverlaw.com

BEFORE THE MONTANA BOARD OF OIL AND GAS CONSERVATION

IN THE MATTER OF THE APPLICATION OF
LUSTRE OIL COMPANY, LLC FOR AN ORDER
VACATING THE TEMPORARY SPACING UNIT
ESTABLISHED FOR THE S½ OF SECTION 3,
TOWNSHIP 30 NORTH, RANGE 44 EAST, M.P.M.,
VALLEY COUNTY, MONTANA [MBOGC ORDER
NO. 245-2014], AND SUCH OTHER AND
FURTHER RELIEF AS THE MBOGC MAY DEEM
APPROPRIATE

MBOGC DOCKET NO. 2-2022
APPLICATION

COMES NOW LUSTRE OIL COMPANY, LLC, having an address of 398 Sage Lane, Winnett, MT 59087 ("Applicant"), a Montana limited liability company, by and through its attorneys, Beatty & Wozniak, P.C., and makes application to the Montana Board of Oil and Gas Conservation ("Board") to vacate the temporary spacing unit established for the S½ of Section 3, Township 30 North, Range 44 East, M.P.M., Valley County, Montana, and such other and further relief as the Board may deem appropriate. In support of its Application, Applicant respectfully sets forth as follows.

1. Applicant is an interest owner and operator within the S½ of Section 3, Township 30 North, Range 44 East, M.P.M., Valley County, Montana, which lands are covered by a Temporary Spacing Unit ("Subject TSU") established by Board Order No. 245-2014, for a horizontal Madison Formation (Ratcliffe Interval) well
2. Applicant seeks an order vacating the Subject TSU, resulting in the Subject TSU reverting to field spacing rules.
3. Applicant respectfully requests that this matter be set for hearing, with notice given as required by law.
4. Further, Applicant respectfully requests that after hearing the matter, the Board enter its order vacating the Subject TSU, and for such further relief as the Board may deem appropriate.

DATED this 13th day of January, 2022.

LUSTRE OIL COMPANY, LLC

By: 

James Parrot, its Attorney
Beatty & Wozniak, P.C.
1675 Broadway, Suite 600
Denver, CO 80202
jparrot@bwenergylaw.com

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JAN 14 2022

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

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AMENDING MBOGC ORDER NO. 18-2020, WHICH CREATED AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 22, 27 AND 34, TOWNSHIP 26 NORTH, RANGE 59 EAST, M.P.M., RICHLAND COUNTY, MONTANA, AUTHORIZED THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, VACATED MBOGC ORDER NOS. 25-2015 AND 181-2015, CLARIFIED MBOGC ORDER NO. 113-2015, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

MBOGC DOCKET NO. 3-2022

APPLICATION

KRAKEN OIL & GAS LLC, 9805 Katy Freeway, Suite 300, Houston, Texas 77024:

[A] Presents the following application:

1. Applicant is an interest owner and operator within all or portions of Sections 22, 27 and 34, Township 26 North, Range 59 East, M.P.M., Richland County, Montana, which tracts comprise an OTSU pursuant to MBOGC Order No. 18-2020.

2. MBOGC Order No. 18-2020 authorized Applicant to drill a horizontal Bakken/Three Forks formation well within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of All of Sections 22, 27 and 34, Township 26 North, Range 59 East, M.P.M., but required that such operations be commenced within one year of April 30, 2020.

3. Due to prolonged depressed market conditions and concomitant constraints on Applicant's drilling budget, drilling operations on the subject OTSU could not be commenced prior to April 30, 2021, thus Applicant seeks an extension of the drilling requirement set forth in MBOGC Order No. 18-2020 to February 17, 2023.

[B] Requests:

1. This matter be set for hearing, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order amending MBOGC Order No. 18-2020 to provide that operations for the drilling of a well in the OTSU comprised of All of Sections 22, 27 and 34, Township 26 North, Range 59 East, M.P.M., must be commenced prior to February 17, 2023, but leaving all other provisions in said order unchanged and in full force and effect.

DATED this 3rd day of December, 2021.


KRAKEN OIL & GAS LLC

By _____
John R. Lee, Its Attorney
CROWLEY FLECK PLLP
P.O. Box 2529
Billings, MT 59103-2529
Email: jlee@crowleyfleck.com

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

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AMENDING MBOGC ORDER NO. 47-2020, WHICH AUTHORIZED THE DRILLING OF UP TO FOUR HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF THE TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 2, 11 AND 14, TOWNSHIP 24 NORTH, RANGE 59 EAST, M.P.M., RICHLAND COUNTY, MONTANA, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

MBOGC DOCKET NO. 4-2022

APPLICATION

KRAKEN OIL & GAS LLC, 9805 Katy Freeway, Suite 300, Houston, Texas 77024:

[A] Presents the following application:

1. Applicant is an interest owner and operator within all or portions of Sections 2, 11 and 14, Township 24 North, Range 59 East, M.P.M., Richland County, Montana, which tracts comprise a TSU pursuant to MBOGC Order Nos. 210-2014 and 320-2014.
2. MBOGC Order No. 47-2020 authorized Applicant to drill up to four horizontal Bakken/Three Forks formation wells within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the TSU comprised of All of Sections 2, 11 and 14, Township 24 North, Range 59 East, M.P.M., but required that such operations be commenced within one year of October 1, 2020.
3. Due to prolonged depressed market conditions and concomitant constraints on Applicant's drilling budget, drilling operations on the subject TSU could not be commenced prior to October 1, 2021, thus Applicant seeks an extension of the drilling requirement set forth in MBOGC Order No. 47-2020 to February 17, 2023.

[B] Requests:

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order amending MBOGC Order No. 47-2020 to provide that operations for the drilling of a well in the TSU comprised of All of Sections 2, 11 and 14, Township 24 North, Range 59 East, M.P.M., must be commenced prior to February 17, 2023, but leaving all other provisions in said order unchanged and in full force and effect.

DATED this 28th day of December, 2021.

KRAKEN OIL & GAS LLC

By _____

John R. Lee, Its Attorney

CROWLEY FLECK PLLP

P.O. Box 2529

Billings, MT 59103-2529

Email: jlee@crowleyfleck.com

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DEC 30 2021

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

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

IN RE THE APPLICATION OF PETRO-HUNT, LLC FOR AN ORDER CREATING A PERMANENT SPACING UNIT COMPRISED OF THE SE¼ OF SECTION 11, AND THE NE¼ OF SECTION 14, TOWNSHIP 18 NORTH, RANGE 54 EAST, M.P.M., DAWSON COUNTY, MONTANA FOR THE PRODUCTION OF OIL AND ASSOCIATED NATURAL GAS FROM THE RED RIVER FORMATION THEREUNDER, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE.

MBOGC DOCKET NO. 5-2022

APPLICATION

PETRO-HUNT, LLC, 400 EAST BROADWAY, STE. 414, BISMARCK, ND 58501:

[A] Presents the following application:

1. Applicant is an interest owner and operator within the above-described tract, and its Nissley Farms 18-54-14A-4-1 well has been successfully completed as a commercial producer of oil and associated natural gas from the Red River formation thereunder.

2. The Nissley Farms 18-54-14A-4-1 well is completed in a reservoir containing accumulations of oil and associated natural gas in the Red River formation. To efficiently and economically develop the reservoir, and to protect the correlative rights of all owners, the SE¼ of Section 11, and the NE¼ of Section 14, Township 18 North, Range 54 East, M.P.M., Dawson County, Montana, should be designated a permanent spacing unit for the production of oil and associated natural gas from the Red River formation.

[B] Requests:

1. This matter be set for hearing, with notice given as required by law and the MOU; and
2. After hearing the matter, the Board enter its order delineating the SE¼ of Section 11, and the NE¼ of Section 14, Township 18 North, Range 54 East, M.P.M., Dawson County, Montana, as a permanent spacing unit for the production of oil and associated natural gas from the Red River formation.

Dated this 5th day of January, 2022.

Petro-Hunt, LLC

By UPC
Uriah J. Price, Its Attorney

CROWLEY FLECK PLLP
1915 South 19th Avenue
P.O. Box 10969
Bozeman, MT 59719
E-Mail: uprice@crowleyfleck.com

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JAN 10 2022

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

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

IN RE THE APPLICATION OF PETRO-HUNT, LLC FOR AN ORDER CREATING A PERMANENT SPACING UNIT COMPRISED OF THE N½ OF SECTION 36, TOWNSHIP 23 NORTH, RANGE 55 EAST, M.P.M., RICHLAND COUNTY, MONTANA FOR THE PRODUCTION OF OIL AND ASSOCIATED NATURAL GAS FROM THE RED RIVER FORMATION THEREUNDER, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE.

MBOGC DOCKET NO. 6-2022

APPLICATION

PETRO-HUNT, LLC, 400 EAST BROADWAY, STE. 414, BISMARCK, ND 58501:

[A] Presents the following application:

1. Applicant is an interest owner and operator within the above-described tract, and its State 23-55-36B-1 well has been successfully completed as a commercial producer of oil and associated natural gas from the Red River formation thereunder.

2. The State 23-55-36B-1 well is completed in a reservoir containing accumulations of oil and associated natural gas in the Red River formation. To efficiently and economically develop the reservoir, and to protect the correlative rights of all owners, the N½ of Section 36, Township 23 North, Range 55 East, M.P.M., Richland County, Montana, should be designated a permanent spacing unit for the production of oil and associated natural gas from the Red River formation.

[B] Requests:

1. This matter be set for hearing, with notice given as required by law and the MOU; and
2. After hearing the matter, the Board enter its order delineating the N½ of Section 36, Township 23 North, Range 55 East, M.P.M., Richland County, Montana, as a permanent spacing unit for the production of oil and associated natural gas from the Red River formation.

Dated this 5th day of January, 2022.

Petro-Hunt, LLC

By



Uriah J. Price, Its Attorney

CROWLEY FLECK PLLP
1915 South 19th Avenue
P.O. Box 10969
Bozeman, MT 59719
E-Mail: uprice@crowleyfleck.com

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JAN 10 2022

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

January 11, 2022

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JAN 13 2022

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

Montana Board of Oil and Gas Conservation
ATTN: Mr. George Hudak
2435 St. John's Avenue
Billings, MT 59102

Dear Mr. Hudak

RE: UIC PERMIT APPLICATION
FOR AN INDIVIDUAL WELL
PENNEL 33-31C (API# 25-025-21183)
PENNEL FIELD
FALLON COUNTY, MT

Enclosed is the Montana Board of Oil and Gas Conservation Form 2 (UIC Permit Application) and the supporting attachments required to obtain the approval of our proposed work for the subject well. The Pennel 33-31C is currently producing from the Siluro-Ordovician unit and will be converted to a Salt Water Disposal well in the Mission Canyon formation.

Appropriate notification has been submitted to the surface owners, Larry and Carmie Steffes, in Plevna, MT and Triple JJJ's LLC in Baker, MT. Public notices have also been submitted to the Fallon County Times, Helena Independent Record and Billings Gazette for immediate publication.

We look forward to your approval of this application. Please inform us of application receipt and completeness. Please contact me for questions you might have concerning this application at (972) 673-2000.

Sincerely,



Naomi Johnson
Regulatory Compliance Specialist
Denbury Onshore, LLC

01/11/22 11:59 AM

7 - 2 0 2 2

Submit In Quadruplicate To:

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

SUNDRY NOTICES AND REPORT OF WELLS

Operator Denbury Onshore, LLC		Lease Name Pennel
Address 5851 Legacy Circle, Suite 1200		Lease Type (Private/State/Federal) Fee
City Plano State TX Zip Code 75024	Well Number 33-31C	
Telephone Number (972) 673-2000 Fax Number ()		Unit Agreement Name Pennel Unit
Location of Well (1/4-1/4 section and footage measurements) NWSE 2480' FSL & 2080' FEL, Section 31, T8N-R60E		Field Name or Wildcat Pennel Field
If directionally or horizontally drilled, show both surface and bottom hole locations)		Section, Township, and Range Sec 31, T8N - R60E
API Number: 25 025 21183	Well Type (oil, gas, injection, other) Oil	County Fallon County, MT
State 25 County 025 Well 21183		

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JAN 13 2022

MONTANA BOARD OF OIL & GAS CONSERVATION - BILLINGS

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 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 well to SWD in the Mission Canyon formation. Public notices have been published in the Fallon County Times, Helena Independent Record, and Billings Gazette. Landowner notices have also been submitted. Please see supporting documents for additional information.

BOARD USE ONLY

Approved _____
Date _____

Name Title

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

1/11/2022 _____
Date Signed (Agent)

Randy Robichaux, VP-HSE
Print Name & Title

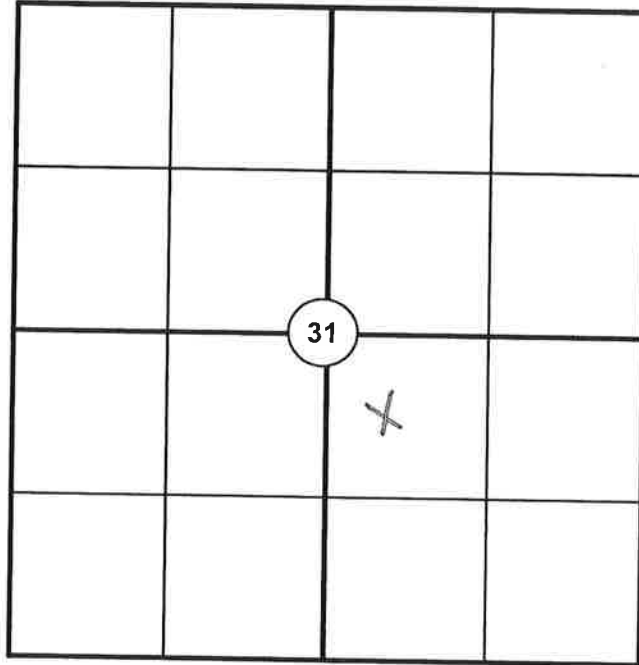
SUPPLEMENTAL INFORMATION

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 60E

Township 8N



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.

Denbury

	Denbury Inc.
Lease:	30031204
Well No.:	Pennel #33-31C
Field:	Pennel
Location:	Sec. 31, T008N, R60E
Cost Center:	30031204
County:	Fallon
State:	MT
API No.:	25025211830000
Well Type:	SI

Surface/Subsurface:	Subsurface
Type of Work:	Capital

Date:	12/7/2021
WI:	99.67543%
NRI:	0.000%
KB:	3,034'
DF:	
GL:	3,017'
TD:	8,934'
PBTD:	
Current Perfs:	8,626 - 8,848'
Current Sands:	Red River/Stony Mountain

Pennel #33-31C – Conversion to SWD - 25025211830000:

1. MIRU Workover Rig. Install manual gauges to confirm zero psi on well
2. ND tree inspect casing at surface, NU and test BOP's.

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
34	Casing Joints	8.625	8.097	24	J-55	1519.32	17	1536.3
1	Float Collar	8.625				2.00	1536.3	1538.3
2	Casing Joints	8.625	8.097	24	J-55	90.66	1538.3	1629
1	Float Shoe	8.625				1.00	1629	1630

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Casing Joints	5.50	4.89	17.00	N-80	40.04	17	57
127	Casing Joints	5.50	4.95	15.5	K-55	5110.4	57	5167.5
28	Casing Joints	5.50	4.89	17.00	JL-95	1044.94	5167.5	6212.4
19	Casing Joints	5.50	4.89	17	K-55	787.35	6212.4	6999.7
1	DV Tool	5.50				3.10	6999.7	7002.8
38	Casing Joints	5.50	4.89	17.00	K-55	1500.5	7002.8	8503.3
9	Casing Joints	5.50	4.89	17.00	K-55	345.94	8503.3	8849.3
1	Float Collar	5.50				1.55	8849.3	8850.8
2	Casing Joints	5.50	4.89	17.00	K-55	82.32	8850.8	8933.2
1	Float Shoe	5.50				0.85	8933.2	8934

Denbury

3. RIH with Test Packer & pressure test 5-1/2" casing from 7850' to surface. POOH.
4. RU e-line and RIH with CIBP. Set CIBP @ 7800'. Spot 25 sacks on top of CIBP and POOH.
5. Perforate with 3-3/8" perforation gun the following Mission Canyon intervals:
 - 7,392' - 7,423'
 - 7,428' - 7,443'
 - 7,448' - 7,472'
 - 7,476' - 7,494'
 - 7,508' - 7,518'
 - 7,522' - 7,534'
 - 7,544' - 7,552'
 - 7,557' - 7,586'
 - 7,625' - 7,633'
 - 7,663' - 7,680'
6. POOH and RD e-line.
7. Acid treat perforations per the following:
 - a. RIH with a retrievable packer on work pipe so that the tail pipe is ~10' above the bottom perforation and the packer is about ~100' above the top perforation (7,292')
 - b. Circulate 15% HCL acid across all perforations, set packer, pump 1000 gal of acid into perforations. Keep pressure below frac pressure.
 - c. Un-set packer and reverse circulate the acid of the wellbore.
 - d. PU so that tail pipe end is ~10' below top perforation.
 - e. Circulate 15% HCL acid to end of pipe
 - f. Set the packer and inject 4000 gal into perforations. Keep pressure below frac pressure.
 - g. Unset packer and POOH laying down.
8. RIH with retrievable packer, On/off tool and new tubing (2-7/8" 6.5# L-80 EUE 8RD, TK70). Inhibit hole with treated water.
9. Set retrievable packer @ 7,250'.
10. ND BOP. NU Injection tree.
11. RDMO Workover Rig.
12. MIT well as needed and send chart to engineer.
13. Ensure tree rated for injection, correct as needed.
14. To finish up this operation:
 - a. Take photos of wellhead and location and send them to photos@denbury.com
 - b. If any logs were run, include logs@denbury.com on distribution to ensure proper electronic filing.
 - c. Take care of any material transfers.
15. MIT with state for approval as a disposal well.

Injectivity Test:

This will be hooked up to our facility. We will use our existing Section 31 water station pumps to perform the test. This will be 24 hrs continuous test

Denbury

1. Perform JSA for daylight pumping operations
2. During this injectivity test we will be using produced quality water to inject into the Mission Canyon Perfs
3. Control point for this test will be wellhead pressure, expected rates are estimates off expected injectivity
4. Pump at 500 psi for 1 hrs: expected daily rate 1700 bwpd
5. Pump at 850 psi for 1 hrs: expected daily rate 2800 bwpd
6. Pump at 1000 psi for 2 hrs: expected daily rate 3300 bwpd
7. Pump at 1500 for remaining time of test: expected daily rate 5000 bwpd
8. Document wellhead pressure and rate at each pressure step. Repeat similar process for ~2-5 more days to gather more data

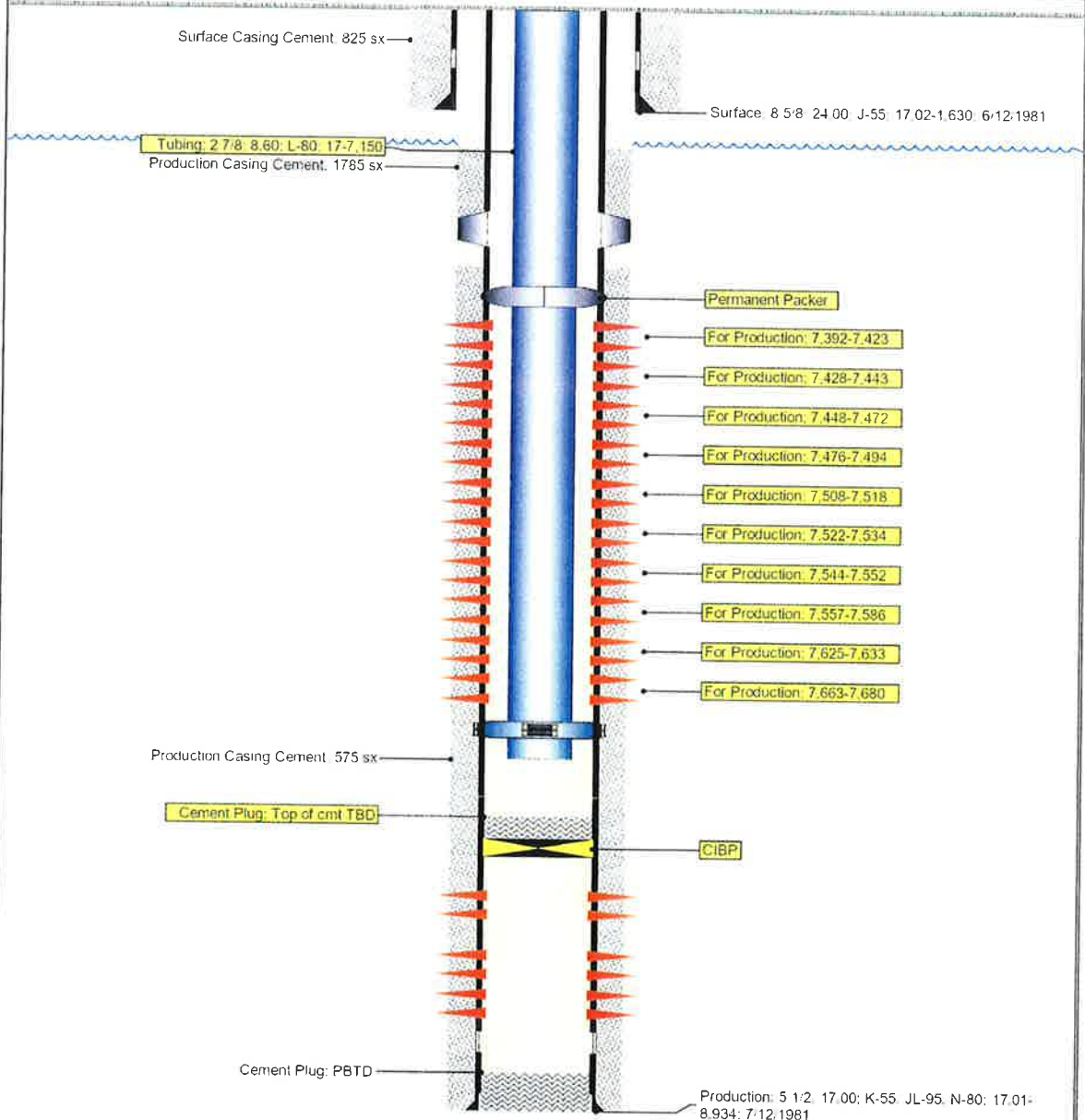
Estimated total volume at end of test: 10,700 bbls of produced water

Schematic - Proposed

Permitted Interval =

Well	Tran	Tran	Page	Eng	Surface Legal Location: Section 31 - T8N - R60E			
31	008	N	60	E	Pennel #33-31C			
Well Name		Well No		Well Status	Well Type	Latitude	Longitude	
Pennel		25025211830000		SI - Shut-In		46° 24' 5" N	104° 16' 3.089" W	
Drill Date	Log Date	Log Date	Log Date	Original Hole -	Total Depth (ft)			Depth (ft)
3 017 00	3 034 00	17 00		8 934 0				
Start Date	End Date	Start Date	End Date	Start Date	End Date	Start Date	End Date	Start Date
6 11 1981	7 10 1981							
Most Recent Job								
Job Name	Job Type	Job Type	Job Type	Job Type	Job Type	Job Type	Job Type	Job Type
ReCompletion/Workover	Downhole Failure	DHF-Pump						
TD: 8,934.00	Original Hole: 1.10.2022 3:38:07 PM			Start Date	End Date	Start Date	End Date	Start Date
				5 3 2012	5 3 2017			

Vertical schematic (proposed)



Pennel #33-31C

Sect	Twn...	Range	Rng...
31	008	N 60	E

Surface Legal Location: Section 31 - T8N - R60E

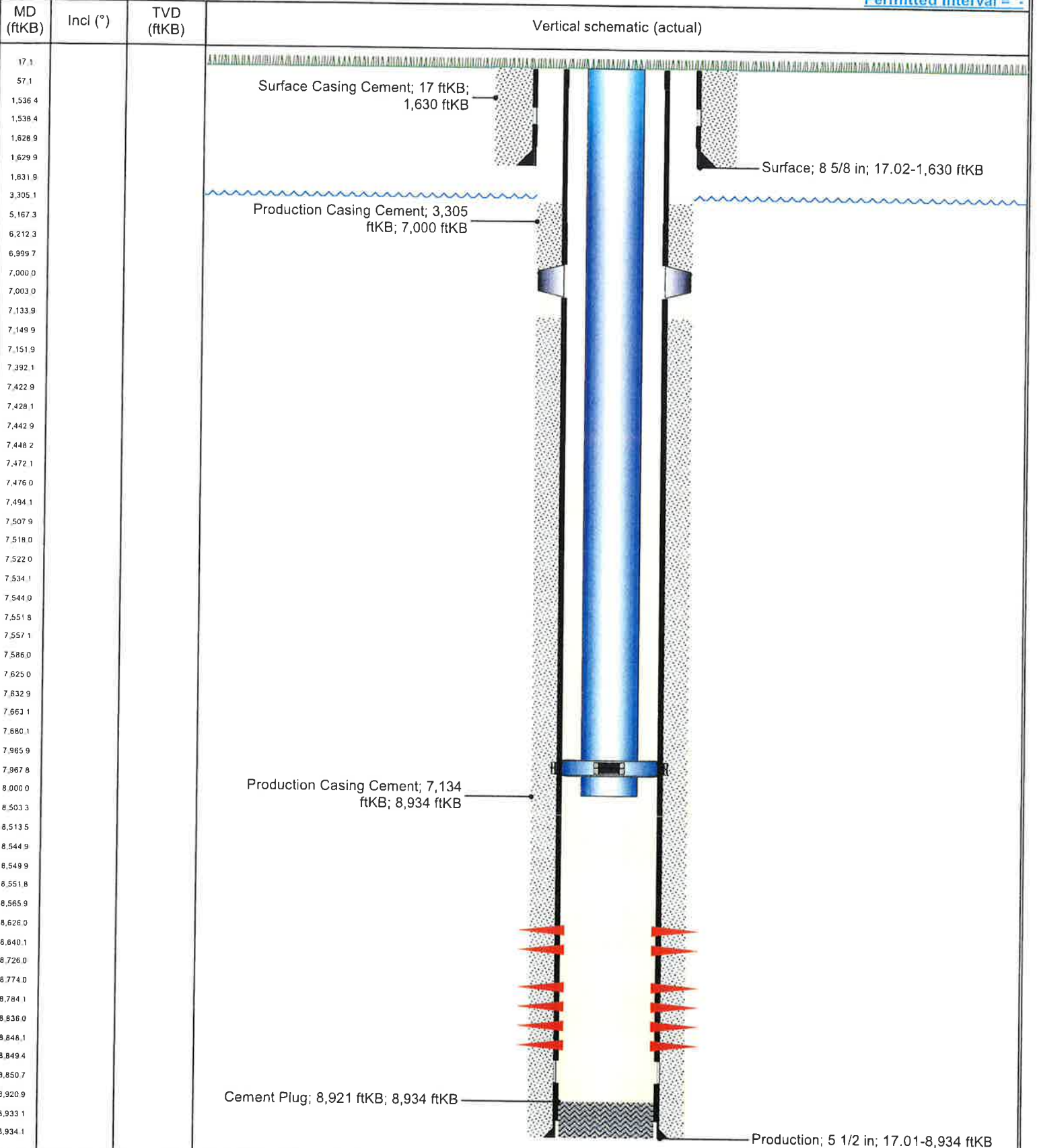
Fault Block:

Field Name Pennel	API/UWI 25025211830000	State ID#	Well Status SI - Shut-In	Well Configuration Type	Assoc. TB/TestSite	Latitude 46° 24' 5" N	Longitude 104° 16' 3.089" W		
Gr Elev (ft) 3,017.00	Orig KB Elev (ft) 3,034.00	KB-Grd (ft) 17.00	Total Depth (All) (ftKB) Original Hole - 8,934.0	Total Depth All (TVD) (ftKB)	PBDT (All) (ftKB)				
Spud Date 6/11/1981	TD Date 7/10/1981	Rig Release Date	Completion Start D...	Completion End Date	On Production Date	First Sales Date	First Inj Date	First Date CO2 Flood	Abandon Date

TD: 8,934.00

Original Hole, 1/11/2022 12:31:23 PM

Permitted Interval = -



025-21183
NWSE

LOCATE WELL CORRECTLY

(SUBMIT IN TRIPLICATE)
TO

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

Form No. 1
MAC 36-3.18(10)-S18070
MAC 36-3.18(10)-S18310
MAC 36-3.18(14)-S18380



COMPLETION REPORT

10

Company SHELL OIL COMPANY Lease UNIT Well No. 33-31C
 ATTN: P.G. GELLING
 Address P.O. Box 831 Houston, Tx 77001 RM. # 6459 WCK Field (or Area) PENNEL
 The well is located 2480 ft. from (S) line and 2080 ft. from (X) line of Sec. 31
 Sec. 31 ; T. 8N ; R. 60E ; County FALLON ; Elevation 3107' GL
 Commenced drilling 6-11 1981 ; Completed 8-17 1981

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] W. E. N. KELLOGG
 Title DIVISION PRODUCTION ENGINEER
 Date 10-21-81

IMPORTANT ZONES OF POROSITY

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

From	to	From	to
From	to	From	to
From	to	From	to
From	to	From	to

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sack of Cement	Cut and Pulled from
20"				40'				
8 5/8"	24#			1630'				
5 1/2"	17# x 15.5#			8934'			825 5x 2360 5x	

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2 7/8"					

COMPLETION RECORD

Rotary tools were used from 3107' to 8934'
 Cable tools were used from _____ to _____
 Total depth 8934 ft.; Plugged back to 8921 T.D.; Open hole from _____ to _____

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED			
Interval		Number and Size and Type	Interval		Amount of Material Used	Pressure
From	To		From	To		
8836	8848	2 SHOTS	8836	8848	2500 GALS 28% HCL	
8774	8784	per FOOT	8774	8784	2000 GALS 28% HCL	
8626	8640		8626	8640	2700 GALS 28% HCL	

(If P&A show plugs above)

INITIAL PRODUCTION

Well is producing from RED RIVER / STONY MTN. (pool) formation.
 I.P. 27.1 barrels of oil per 24 hours PUMPING
 (pumping or flowing)
36 Mcf of gas per 24 hours.
34 barrels of water per 24 hours, or 11 % W.C.
 (OVER)

INITIAL PRODUCTION—(Continued)



Initial 10-day average production _____ (bbl./day) (if taken)

Pressures (if measured): Tubing _____ psi flowing; _____ psi shut-in
 Casing _____ psi flowing; _____ psi shut-in

Gravity _____ ° API (corrected to 60° F.)

DRILL STEM TESTS

D.S.T. No.	From	To	Tool Open (Min.)	Shut-in	F.P.	S.I.P.	Recovery	Cushion

CORES

No.	Interval	Recovered

LOG RUNS

Type	From	To
CNL/GR		
CAL/GR/CCL w/UDL		

FORMATION RECORD

(Need not be filled out if Geologist sample description filed with Commission)

From	To	SAMPLE AND CORE NO. AND DESCRIPTION	Top of Formation
		STONY Mtn.	8566'
		Red River	8726'

(Use additional sheets where needed to complete description)

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

Denbury Onshore, LLC
Well No. Pennel 33-31C
Pennel Field
Section 31, T8N-R60E
Powder River, 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):

Larry and Carmie Steffes
PO Box 195
Plevna, MT 59344-0195

Triple JJJ's LLC
PO Box 1256
Baker, MT 59313-1256

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
P.O. Box 4249
Helena, Montana 59604-4249

Fallon County Times
P.O. Box 679
Baker, Montana 59313-0679

Billings Gazette
401 N. Broadway
Billings, MT 59101

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

No water wells exist within a ½ mile radius of the subject well.

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 are four existing wellbores that fall within the ¼ mile radius of the Pennel 33-31C. Down hole schematics for these well bores are attached.

Pennel 33-31CR (25-025-21409) is an active producer in the Siluro-Ordovician unit.

Pennel 24-31CH (25-025-05271) is an active producer in the Siluro-Ordovician unit.

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

Greenhorn	3033
Dakota	4086
Spearfish	5387
Charles	6855
Mission Canyon	7045
Lodgepole	7680
Interlake	8256
Stony Mountain	8566
Red River	8726

*KB Elevation 3050'

Injection Pressures (Mission Canyon)

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 = 7392'

S.G. of Injection Fluid = Approximately 1.046 (see representative water analysis)

Fracture Gradient = Approximately 0.8 psi/ft

$$\begin{aligned}\text{Surface Fracture Pressure} &= [0.8 \text{ psi/ft} \times 7392'] - [1.046 \times 0.433 \text{ psi/ft} \times 7392'] \\ &= 5914 \text{ psi} - 3348 \text{ psi} \\ &= 2566 \text{ psi}\end{aligned}$$

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 2566 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 Pennel Unit. A representative analysis of the injectate is attached.

Conversion Procedures

The Pennel 33-31C is currently producing from the Siluro-Ordovician unit. 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 is being requested.

Well No. 33-31C
Pennel Field
Section 31, T8N-R60E
Fallon County, MT.

Characteristics of Injection and Confining Zones (Class II)

Injection Zone:

The proposed injection zone is the Mission Canyon formation within the Madison Group of Mississippian age. This formation is commonly used as a disposal zone for many fields along the Cedar Creek Anticline including within Pennel which is the location of the subject well.

Mission Canyon Lithology Description

The Mission Canyon formation exhibit an interfingering of carbonate and evaporate deposits as confirmed through core and drill cuttings. It is primarily composed of a medium brown limestone, dolomitic limestone, and dolomite to a lesser extent that are interbedded with anhydrite and shale. The nonporous limestone intervals commonly range from finely to crypto-crystalline in texture and are, in part, oolitic and fossiliferous. The porous intervals of the Mission Canyon are composed of dolomite that display fine to very fine sucrosic porosity and are occasionally argillaceous and anhydritic. Porosity is most derived from its interoolitic, intergranular, and vuggy nature. Some of these porous intervals produce hydrocarbons along the crest of the Cedar Creek Anticline.

The gross perf footage being proposed in the subject well is 172' of which 157' have 5% porosity or greater from a neutron porosity log run on a limestone matrix. The average porosity of the perf intervals is 10.3% and exhibits a PhiH of 16.15 from log analysis. See attached log section.

We have yet to discover a representative water analysis for the Mission Canyon in the immediate area under consideration. The nearest Mission Canyon water analysis identified is from the Pennel MC 14-29NH which is located approximately 4-1/2 miles SSE of the subject well. It is included for reference.

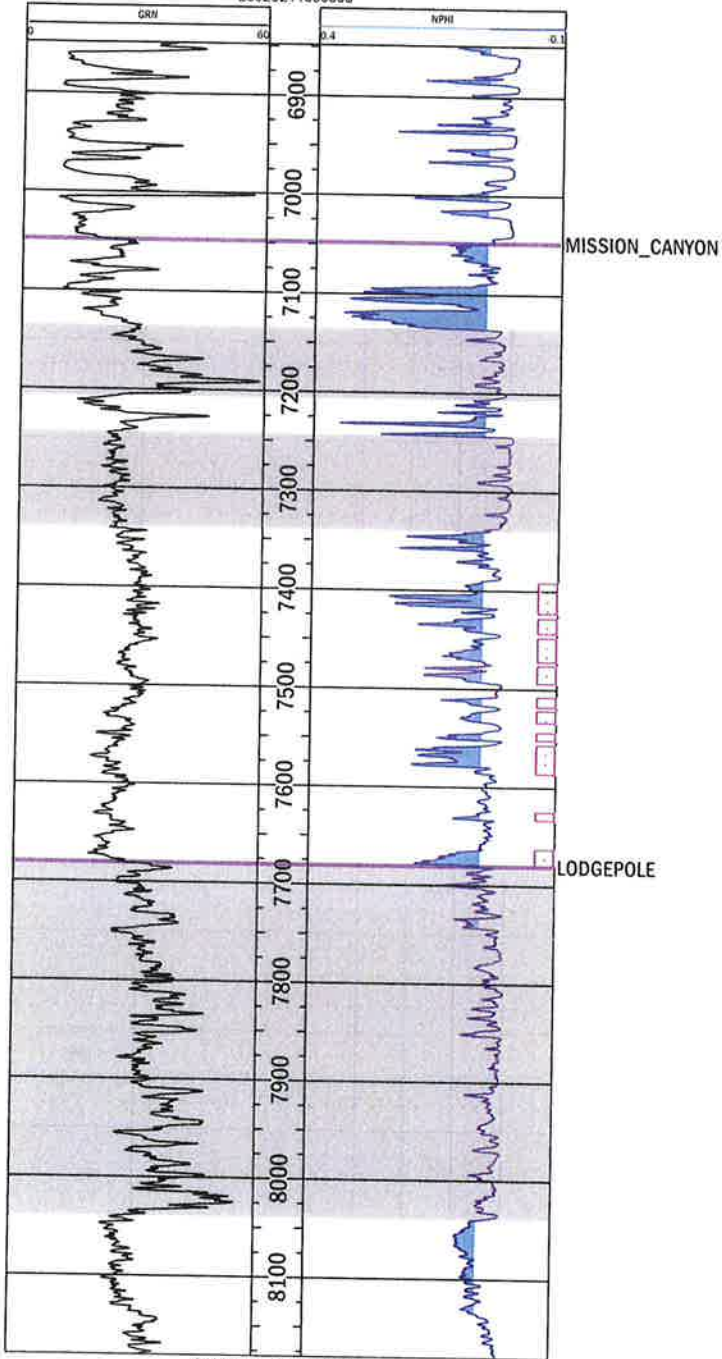
Confining Zones:

Upper confinement of the fluid injected into the Mission Canyon would be contained by the massive anhydrite beds as well as tight limestones of the upper Mission Canyon formation. The upper confining zone is a gross thickness of 165' and is observed from 7136'-7206' and 7244'-7339' measured depth. Lower confinement of the injected fluid occurs within the tight carbonates and evaporites of the Lodgepole Formation from 7681'-8038' measured depth which totals 357' of confinement. Both confinement intervals exhibit low to zero porosities and permeabilities of < 0.1md. See log section attached.

PENNEL
33-31C
8/21/1981



ELEV_KB : 3,034
T8N R60E S31
25025211830000



UWI : 25025211830000
T8N R60E S31
SPUD_DATE : 6/11/1981



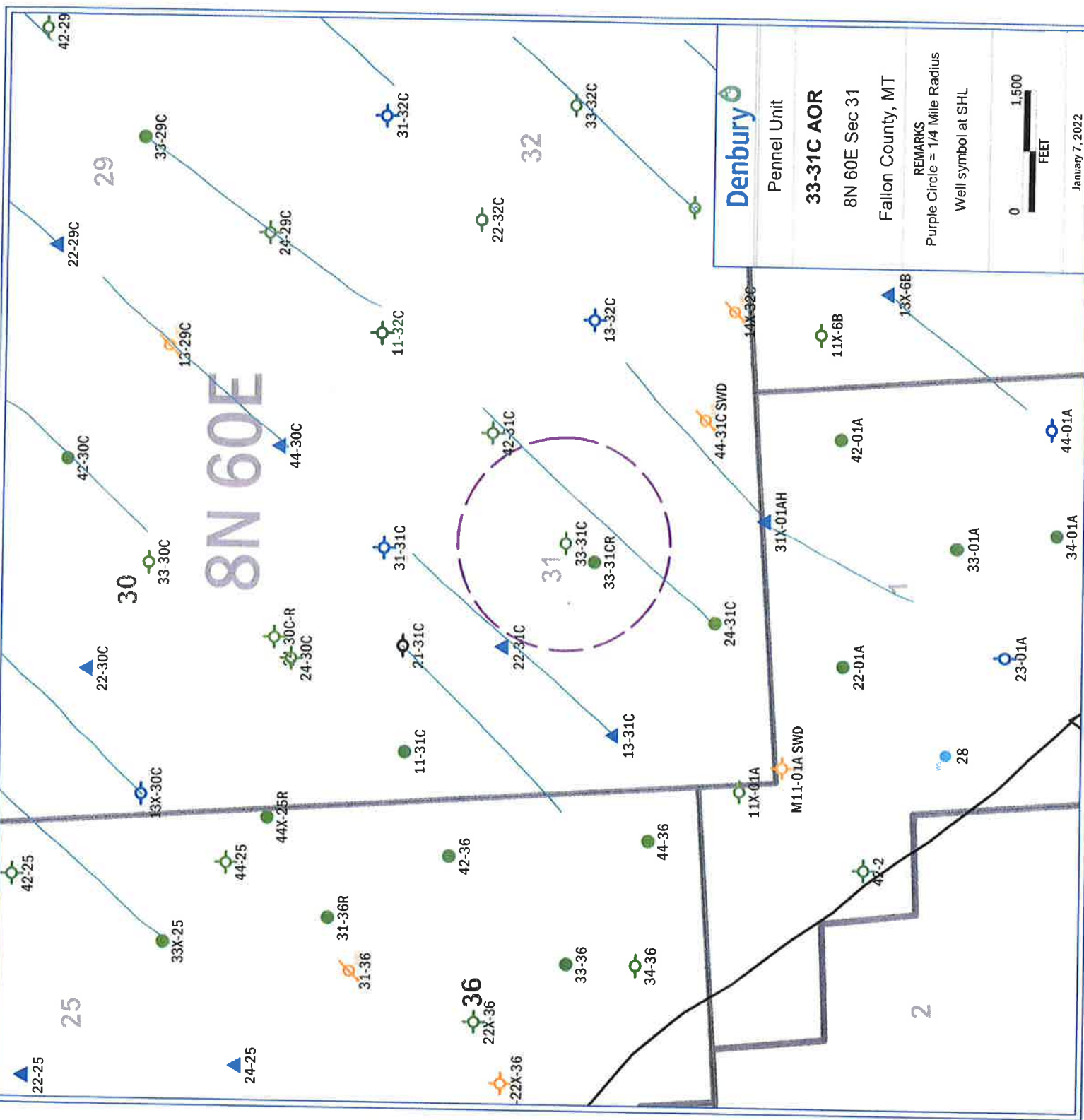
Pennel 33-31C

Proposed Mission Canyon
Injection and Confining Zones

NPH (limestone matrix)
purple shading for >5% porosity

Confining zones shaded grey

Proposed Injection zone perfs shown as pink perfs



Denbury

Pennel Unit

33-31C AOR

8N 60E Sec 31

Fallon County, MT

REMARKS
 Purple Circle = 1/4 Mile Radius
 Well symbol at SHL



January 7, 2022

Sect 31	Twn... 008	Twn... N	Range 60	Rng... E
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Pennel #33-31CR

Fault Block:

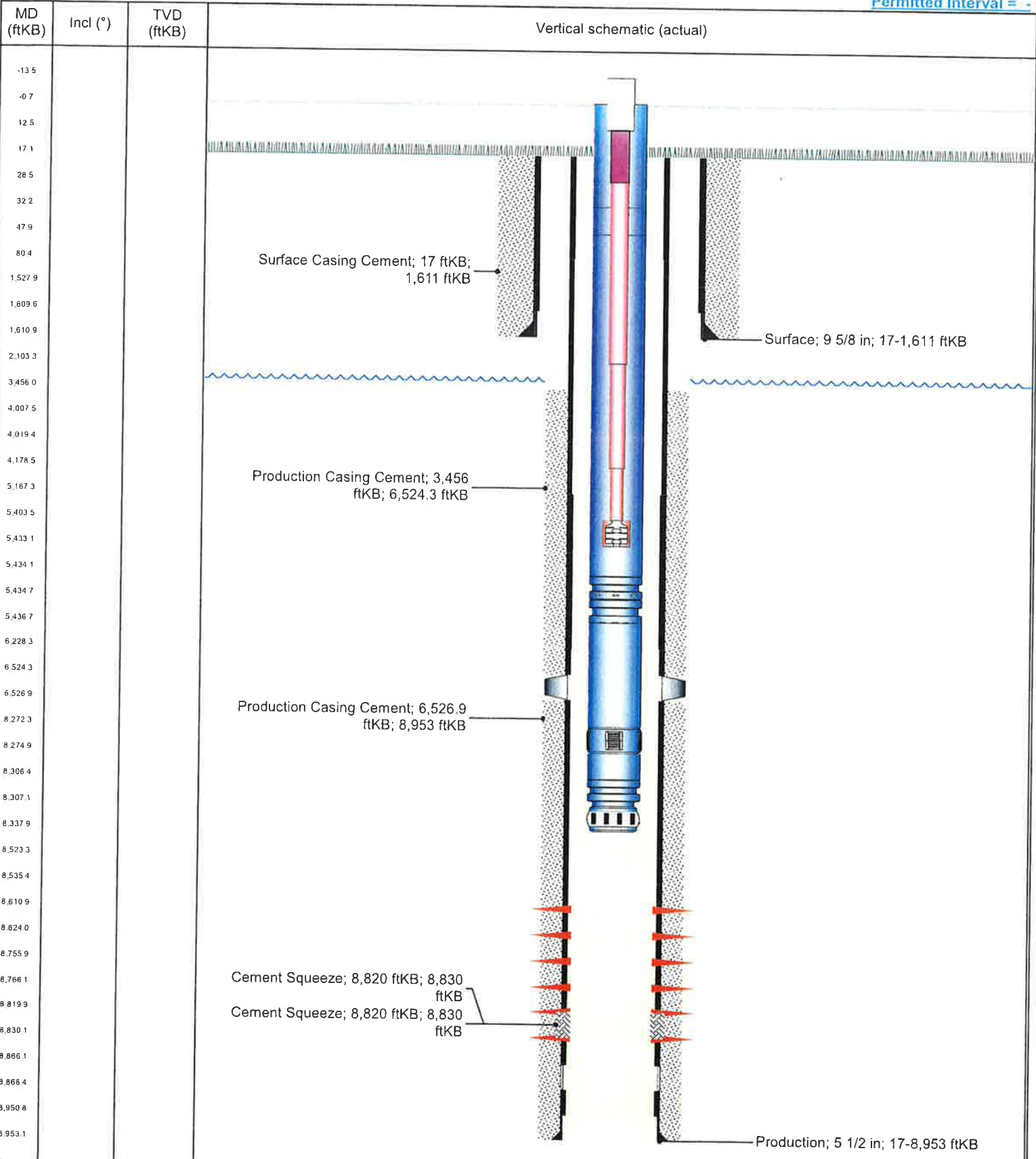
Surface Legal Location: Section 31 - T8N - R60E

Field Name Pennel	API/UWI 25025214090000	State ID#	Well Status A - Active	Well Configuration Type	Assoc.TB/TestSite	Latitude 46° 24' 1.544" N	Longitude 104° 16' 6.617" W
Gr Elev (ft) 3,019.00	Orig KB Elev (ft) 3,036.00	KB-Grd (ft) 17.00	Total Depth (All) (ftKB) Original Hole - 8,953.0	Total Depth All (TVD) (ftKB)		PBD (All) (ftKB)	
Spud Date 4/27/1986	TD Date 5/19/1986	Rig Release Date	Completion Start D...	Completion End Date	On Production Date	First Sales Date	First Inj Date
						First Date CO2 Flood	Abandon Date

TD: 8,953.00

Original Hole, 1/11/2022 10:29:43 AM

Permitted Interval = -



LOCATE WELL CORRECTLY

		X	

025-21409
NW SE
Form No. 4

ARM 36.22.307
ARM 36.22.1011
ARM 36.22.1013

(SUBMIT IN TRIPLICATE)
TO
BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANA
BILLINGS OR SHELBY

COMPLETION REPORT

10

Company SHELL WESTERN E&P INC. Lease UNIT Well No. 33-31CR
(WCK 4435)
Address P. O. BOX 576, HOUSTON, TX 77001 Field (or Area) PENNEL
The well is located 2130 ft. from (S) line and 2330 ft. from (E) line of Sec. 31
Sec. 31; T. 8N; R. 60E; County FALLON; Elevation 3019' GR
Commenced drilling 4-27, 1986; Completed 6-24, 1986
(D.F., R.B. or G.L.)

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 Signed A. J. FORE A. J. FORE
(oil well, gas well, dry hole)
Title SUPERVISOR REGULATORY & PERMITTING
Date AUGUST 8, 1986

IMPORTANT ZONES OF POROSITY

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

From _____ to _____ From _____ to _____
From _____ to _____ From _____ to _____
From _____ to _____ From _____ to _____
From _____ to _____ From _____ to _____

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Set	From	To	Sack of Cement	Cut and Pulled from
16"	CONDUCTOR			40'	0	40		-----
9-5/8"	40#	K-55	LT&C	1610'	0	1610	935	-----
5-1/2"	15.5, 17#	K-55	LT&C	8953'	0	8953	1980	-----
	20#	P-110	LT&C					

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2-7/8"				8798'	

COMPLETION RECORD

Rotary tools were used from 0 to 8954'
Cable tools were used from _____ to _____
Total depth 8954 ft.; Plugged back to 8806' T.D.: Open hole from _____ to _____

PERFORATIONS			ACIDIZED, SHOT, SAND FRACED, CEMENTED			
Interval		Number and Size and Type	Interval		Amount of Material Used	Pressure
From	To		From	To		
8611	8624	2 JSPF	8611	8624	ACD W/2000 GAL 15% HCl	
8756	8766	2 JSPF	8756	8766	ACD W/1500 GAL 15% HCl	
8820	8830	2 JSPF	8820	8830	ACD W/1900 GAL 15% HCl	
*8820	8830	4 JSPF	8820	8830	SOZD W/250 SX CLS H CMT	

*RE-PERFORATED

(If P#A show plugs above)

INITIAL PRODUCTION

Well is producing from STONY MTN & RED RIVER (pool) formations
I.P. 117 barrels of oil per 24 hours PUMPING
(pumping or flowing)
36.6 Mcf of gas per 24 hours.
279 barrels of water per 24 hours, or _____ % W.C.
(OVER)

11/2/86

INITIAL PRODUCTION—(Continued)

Initial 10-day average production NONE TAKEN (bbl./day) (if taken)
 Pressures (if measured): Tubing _____ psi flowing; _____ psi shut-in
 Casing _____ psi flowing; _____ psi shut-in
 Gravity _____ ° API (corrected to 60° F.)

DRILL STEM TESTS (NONE)

D.S.T. No.	From	To	Tool Open (Min.)	Shut-In	F.P.	S.I.P.	Recovery	Cushion

CORES (NONE)

No.	Interval	Recovered

LOG RUNS

Type	From	To
CBL/GR	5000	8887
CNL/GR	5000	8868
PERF	8500	8884
DLL/MSFL	1739	8942

FORMATION RECORD

(Need not be filled out if Geologist sample description filed with Commission)

From	To	SAMPLE AND CORE NO. AND DESCRIPTION	Top of Formation
		DAKOTA	4088'
		SPEARFISH	5351'
		OPECHE	5904'
		MINNELUSA	6208'
		HEATH	6420'
		OTTER	6559'
		CHARLES	6838'
		MISSION CANYON	7089'
		LODGEPOLE	7652'
		INTERLAKE	8229'
		STONY MOUNTAIN	8550'
		RED RIVER	8709'

Pennel #24-31CH ST

Sect	Twn...	Twn...	Range	Rng...
31	008	N	60	E

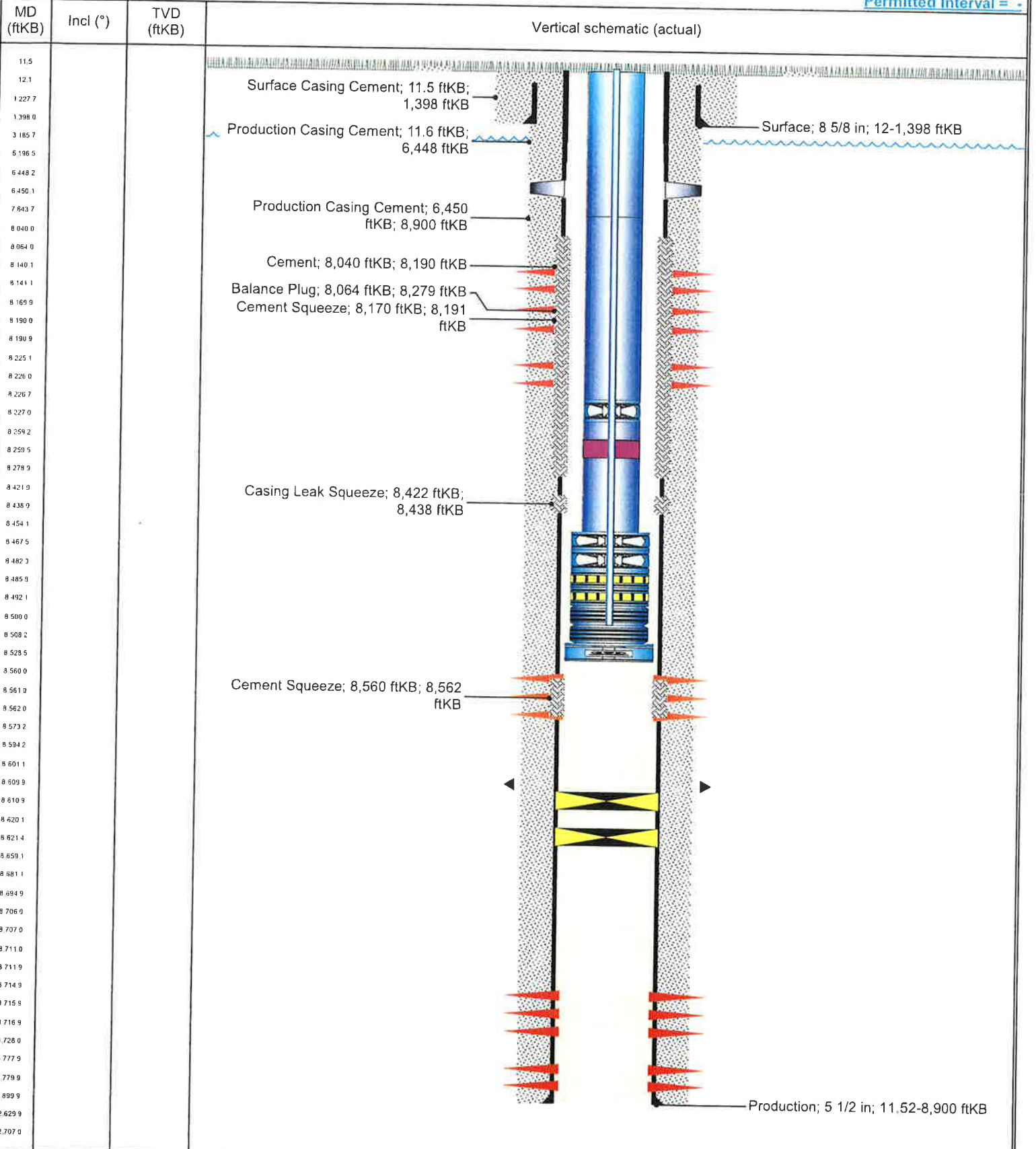
Surface Legal Location: Sec 31, T8N - R60E

Fault Block:

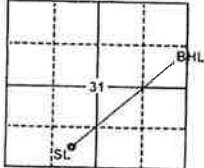
Field Name: Pennel		API/UWI: 25025052710000	State ID#	Well Status: A - Active	Well Configuration Type: Horizontal	Assoc. TB/Test Site	Latitude: 46° 23' 47.108" N	Longitude: 104° 16' 18.533" W	
Gr Elev (ft): 2,987.00	Orig KB Elev (ft): 2,998.60	KB-Grd (ft): 11.60	Total Depth (All) (ftKB): Original Hole - 8,900.0; Leg 1 - 12,630.0		Total Depth All (TVD) (ftKB): Leg 1 - 8,799.1		PBTD (All) (ftKB)		
Spud Date: 11/24/1961	TD Date	Rig Release Date: 12/18/1961	Completion Start D...: 4/9/2007	Completion End Date	On Production Date	First Sales Date	First Inj Date	First Date CO2 Flood	Abandon Date

TD: 8,900.00 Horizontal, Original Hole, 1/11/2022 10:32:58 AM

Permitted Interval = -



LOCATE WELL CORRECTLY



(SUBMIT IN TRIPLICATE)
TO

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

ARM 36.22.307
ARM 36.22.1011
ARM 36.22.1013
ARM 36.22.1414

COMPLETION REPORT

Company Encore Operating, L. P. Lease Pennel (Private) Well No. 24-31CH

Address 777 Main Street Suite 1400 Fort Worth, TX 76102 Field (or Area) Pennel

The well is located 660 ft. from S line and 1980 ft. from W line of Sec. 31
N or S E or W

Sec. 31 ; T. 8N R. 60E County Fallon; Elevation GL: 2987, KB: 2999
(D.F., R.B. or G.L.)

Commenced drilling March 31, 2007; Completed May 2, 2007

Write the API# or the well name of another well on this lease if one exists _____

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 - Horizontal Re-entry Signed [Signature]
(oil well, gas well, dry hole, cbm, injection)

API# 25 - 025-05271 Title Tommy J. Yates - Sr. Staff Eng. Tech.

Bottomhole Location(s): _____ Date June 25, 2007

BHL (NE RRU4A OH Leg): SE-NE Sec. 31, 1876' FNL & 483' FEL, T8N-R60E, Fallon County, MT.
MD = 12630' TVD = 8798' Open hole from 8594' -12630'

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

From 8594 to 12630 MD RRU4A O,W,G From _____ to _____
From _____ to _____ From _____ to _____
From _____ to _____ From _____ to _____

CASING RECORD

Size Casing	Weight Per Ft.	Grade	Thread	Casing Sel	From	To	Sacks of cement	Cut And Pulled from
8 5/8 Existing	24	K-55		1398	0	1398	600	
5 1/2 Existing	14, 15.5, 17	J-55, N-80		8867	0	6448 DV	600	
					6448	8900	250	

TUBING RECORD

Size Tubing	Weight Per Ft.	Grade	Thread	Amount	Perforations
2-7/8	605	L-80	8rd	273jts	---

COMPLETION RECORD

Rotary tools were used from Surface to TD
Cable tools were used from --- to ---
Total depth 12630 MD 8798 TVD ft.; Plugged back to vertical well 8620 T.D.; Open hole from 8594 to 12630

PERFORATIONS		ACIDIZED, SHOT, SAND FRACED, CEMENTED			
Interval	Number and Size and Type	Interval		Amount of Material Used	Pressure
		From	To		
	Openhole Completion - No new perforations were added during horizontal re-entry.	8620	8623	Set CIBP (3/17/07)	
		8378	8381	Set CICR (3/17/07) Drilled out (3/22/07)	
		8560	8562	250sx sqz existing SM perfs (3/19/07)	
		8047	8378	25sx plug across existing IL perfs (3/19/07)	
		8606	8600	Set Whipstock @ 45deg (3/30/07)	

INITIAL PRODUCTION

Well is producing from (Ordovician) Red River (pool) formation
I.P. 24 barrels of oil per 24 hours Pumping
(Pumping or flowing)
4 MCF of gas per 24 hours.
300 barrels of water per 24 hours, or _____ % W.C.

Initial 10-day average production _____ (bbl./day) (if taken)
 Pressures (if measured): Tubing _____ psi flowing; _____ psi shut-in
 Casing _____ psi flowing; _____ psi shut-in
 Gravity 33.4 ° API (corrected to 60°F.)
 Formation Volume Factor _____ Porosity _____ % Average Connate water _____ %
 Type of trap _____
 Producing mechanism Water Flood

DRILL STEM TESTS

D.S.T. No.	From	To	Tool Open (Min.)	Shut-in	F.P.	S.I.P.	Recovery	Cushion
							No DST's run	

CORES

No.	Interval	Recovered
		Not cored

LOG RUNS

Type	From	To
Mud Log	8607	12630
Directional Survey	8532	12630

**FORMATION RECORD
(ELECTRIC LOG TOPS)**

From	To	FORMATION	Top of Formation
		See Historic Completion Data for Formation Tops.	
		<p>Remarks: The Pennel 24-31C was previously an active vertical Red River producer prior to being horizontally re-entered with the addition of a single 3932' Red River U4A leg to the NE. The re-entry prep work was carried out from 3/13/07 to 3/30/07 using a daylight workover unit and Nabors Rig 812.</p> <p>Nabors Rig 812 spudded the transition curve from the casing exit on 3/19/07. The lateral extension reached TD on 4/06/07 and the rig was released on 4/08/07 after fishing the whipstock assembly and installing a compressed air blow down string with gas lift valves.</p> <p>The well was blown down with compressed air on 4/10/07. A daylight workover unit moved onsite on 4/30/07 and recompleted the 24-31CH as a horizontal producer on 5/02/07.</p>	

(Use additional sheets where needed to complete description)

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
5851 Legacy Circle, Suite 1200
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)
Pennel 33-31C Location: NW-SE, 2480' FSL & 2080' FEL, Sec. 31, T8N-R60E Fallon County, MT.
3. Source of fluids to be injected:
Produced Water from Denbury Onshore, LLC Operations located in the Pennel Field.
4. Zone or formation, including depth, into which fluid will be injected.
Mission Canyon Formation at approximately 7045'-7680'.
5. Statement that an Aquifer Exemption will or will not be requested.
An Aquifer Exemption is being requested.

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 17, 2022**. 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

Customer Ad Proof

60119774 Denbury Onshore, LCC

Order Nbr 87511

Publication	Helena Independent Record		
Contact	Denbury Onshore, LCC	PO Number	
Address 1	5851 LEGACY CIRCLE	Rate	HEL Legal Open
Address 2		Order Price	176.32
City St Zip	PLANO TX 75024	Amount Paid	0.00
Phone	9726732552	Amount Due	176.32
Fax			
Section	Legal	Start/End Dates	01/12/2022 - 01/12/2022
SubSection		Insertions	1
Category	0701 Legals Helena	Size	88
Ad Key	87511-1	Salesperson(s)	BIL Transient Default C99
Keywords	BEFORE THE BOARD OF OIL AND GA	Taken By	Cristian Gomez
Notes			

Ad Proof **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
5851 Legacy Circle, Suite 1200
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)
Pennel 33-31C Location: NW-SE, 2480' FSL & 2080' FEL, Sec. 31, T8N-R60E Fallon County, MT.

3. Source of fluids to be injected:
Produced Water from Denbury Onshore, LLC Operations located in the Pennel Field.

4. Zone or formation, including depth, into which fluid will be injected.
Mission Canyon Formation at approximately 7045'-7680'.

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

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 17, 2022**. 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
January 12, 2022 **MNAXLP**

Naomi Johnson

From: Cristian Gomez <Cristian.Gomez@Helenair.com>
Sent: Friday, January 7, 2022 4:08 PM
To: Naomi Johnson
Subject: RE: [EXT] Requested AdProof_87511-1

Hi,

This will be running January 12, 2022 and a prepayment will be necessary before it run. Let me know when I can call you.

Thanks.

-----Original Message-----

From: Naomi Johnson [mailto:naomi.johnson@denbury.com]
Sent: Friday, January 7, 2022 2:36 PM
To: Cristian Gomez
Subject: RE: [EXT] Requested AdProof_87511-1

Thank you so much! When you get a chance could you please let me know when this will get published?

Naomi Johnson

Regulatory Compliance Specialist | North Region Denbury Onshore, LLC | 5851 Legacy Circle | Plano, TX 75024
Office: 972-673-2552 | Email: naomi.johnson@denbury.com

-----Original Message-----

From: Cristian.Gomez@Helenair.com <Cristian.Gomez@Helenair.com>
Sent: Friday, January 7, 2022 3:29 PM
To: Naomi Johnson <naomi.johnson@denbury.com>
Subject: [EXT] Requested AdProof_87511-1

Attached is the Ad Proof that was requested.

Customer Ad Proof

60119774 Denbury Onshore, LCC

Order Nbr 87039

Publication Billings Gazette
Contact Denbury Onshore, LCC
Address 1 5851 LEGACY CIRCLE
Address 2
City St Zip PLANO TX 75024
Phone 9726732552
Fax
Section Legal
SubSection
Category 0750 LEGAL NOTICES MNAXLP
Ad Key 87039-1
Keywords BEFORE THE BOARD OF OIL AND GA

PO Number
Rate BIL Legal Open
Order Price 197.78
Amount Paid 0.00
Amount Due 197.78
Start/End Dates 01/07/2022 - 01/07/2022
Insertions 1
Size 68
Salesperson(s) BIL Transient Default C99
Taken By Tammy Ward

Notes

Ad Proof

Customer Ad Proof

60119774 Denbury Onshore, LCC

Order Nbr 87039

**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
5851 Legacy Circle, Suite 1200
Plano, TX 75024**

2. Legal Description including County
and Approximate Footages of Surface
Location of Proposed Oil and Gas
Well: (and projected bottom-hole loca-
tion, if a directional or horizontal well)
**Pennel 33-31C Location: NW-SE,
2480' FSL & 2080' FEL, Sec. 31,
T8N-R60E Fallon County, MT.**

3. Source of fluids to be injected:
**Produced Water from Denbury
Onshore, LLC Operations located in
the Pennel Field.**

4. Zone or formation, including depth,
into which fluid will be injected.
**Mission Canyon Formation at ap-
proximately 7045'-7680'.**

5. Statement that an Aquifer Exemp-
tion will or will not be requested.
**An Aquifer Exemption is being
requested.**

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, Admin-
istrative 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 17,
2022**. An interested party may demand
opportunity to be heard by the
Montana Board of Oil and Gas
Conservation concerning said applica-
tion.

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: Tammy Ward <TWard@billingsgazette.com> on behalf of BIL_ Classified <BClassified@billingsgazette.com>
Sent: Wednesday, January 5, 2022 10:21 AM
To: Naomi Johnson
Subject: RE: [EXT] RE: Legal Notice for Publication

The 7th.

Thank you,
Tammy Ward
657-1212
tward@billingsgazette.com



BILLINGS GAZETTE
COMMUNICATIONS

PRINT • ONLINE • MOBILE • TABLET
THE EVOLUTION OF LOCAL NEWS AND INFORMATION

From: Naomi Johnson [mailto:naomi.johnson@denbury.com]
Sent: Wednesday, January 5, 2022 9:20 AM
To: BIL_ Classified <BClassified@billingsgazette.com>
Subject: RE: [EXT] RE: Legal Notice for Publication

This Message Is From an External Sender

This message came from outside your organization.

This looks good, thank you! What day will this run?

Naomi Johnson
Regulatory Compliance Specialist | North Region
Denbury Onshore, LLC | 5851 Legacy Circle | Plano, TX 75024
Office: 972-673-2552 | Email: naomi.johnson@denbury.com



From: Tammy Ward <TWard@billingsgazette.com> **On Behalf Of** BIL_ Classified
Sent: Wednesday, January 5, 2022 10:04 AM
To: Naomi Johnson <naomi.johnson@denbury.com>
Subject: [EXT] RE: Legal Notice for Publication

Here is your proof of the legal ad you requested. Please let me know if there are any changes or if the ad is ok to run. I will send the affidavit out from this office after last run, the invoicing will come from our corporate office separately.

Thank you,
Tammy Ward
657-1212
legals@billingsgazette.com



PRINT • ONLINE • MOBILE • TABLET
THE EVOLUTION OF LOCAL NEWS AND INFORMATION

From: Naomi Johnson [<mailto:naomi.johnson@denbury.com>]
Sent: Wednesday, January 5, 2022 8:06 AM
To: BIL_ Classified <BClassified@billingsgazette.com>; Tammy Ward <TWard@billingsgazette.com>
Subject: Legal Notice for Publication

This Message Is From an External Sender

This message came from outside your organization.

GOOD AFTERNOON!

PLEASE HAVE THE ATTACHED LEGAL NOTICE PUBLISHED IN YOUR PAPER AS SOON AS POSSIBLE.

PLEASE SEND A SIGNED AND DATED AFFADAVIT TO THE MONTANA BOARD OF OIL & GAS CONSERVATION (ATTN: GEORGE HUDAK) ATTESTING TO THE PUBLICATION OF THE NOTICE, ALONG WITH A PUBLISHED COPY OF THE NOTICE. THE BOARD'S MAILING ADDRESS IS:

**MBOGC
ATTN: GEORGE HUDAK
2535 ST. JOHNS AVE.
BILLINGS, MT 59102**

PLEASE RETURN A PUBLISHED COPY OF THE NOTICE TO MY ATTENTION AT OUR PLANO ADDRESS LISTED BELOW. ALSO, PLEASE BILL ALL CHARGES FOR YOUR SERVICES TO MY ATTENTION:

**DENBURY ONSHORE, LLC
ATTN: NAOMI JOHNSON
5851 LEGACY CIRCLE, SUITE 1200
PLANO, TX 75024**

IF YOU HAVE ANY QUESTIONS OR IF ANYTHING ELSE IS NEEDED BEFORE THIS CAN BE PUBLISHED PLEASE DON'T HESITATE TO CONTACT ME!

THANKS!

Naomi Johnson

From: Fallon Co Times <fctimes@midrivers.com>
Sent: Wednesday, January 5, 2022 9:10 AM
To: Naomi Johnson
Subject: [EXT] Re: Legal Notice for Publication - Pennel 33-31C

Follow Up Flag: Follow up
Flag Status: Flagged

Naomi, I will run this in the paper next week, it will be in our January 14, 2022 edition. Thank you, Tina
Fallon Co Times
P.O. Box 679
Baker, MT. 59313
406-778-3344
fctimes@midrivers.com

On Jan 5, 2022, at 8:04 AM, Naomi Johnson <naomi.johnson@denbury.com> wrote:

GOOD AFTERNOON!

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DENBURY ONSHORE, LLC

ATTN: NAOMI JOHNSON

5851 LEGACY CIRCLE, SUITE 1200

PLANO, TX 75024

IF YOU HAVE ANY QUESTIONS OR IF ANYTHING ELSE IS NEEDED BEFORE THIS CAN BE PUBLISHED PLEASE DON'T HESITATE TO CONTACT ME!

THANKS!

January 10, 2022

Larry and Carmie Steffes
PO Box 195
Plevna, MT 59344-0195

RE: Pennel Field
Pennel Unit 33-31C
Section 31, T8N-R60E
Fallon County, MT

Dear Surface Land Owner,

Within the Pennel Field, Denbury Onshore, LLC plans to convert the Pennel Unit 33-31C 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 17, 2022 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

01/11/22 3:03 PM

January 10, 2022

Triple JJJ's LLC
PO Box 1256
Baker, MT 59313-1256

RE: Pennel Field
Pennel Unit 33-31C
Section 31, T8N-R60E
Fallon County, MT

Dear Surface Land Owner,

Within the Pennel Field, Denbury Onshore, LLC plans to convert the Pennel Unit 33-31C to a Salt Water Disposal well.

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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

DownHole R_x
WATER CHEMISTRY

DENBURY
DILLON JAMES
FALLON MT

PENNEL MC 14-29H
WELLHEAD

Report Date: 01-25-2018 Sampled: 01-16-2018
Sample #: 4178 at 0000

Sample ID: 174892

CATIONS

Calcium (as Ca)	458.70
Magnesium (as Mg)	128.00
Barium (as Ba)	0.00
Strontium (as Sr)	27.13
Sodium (as Na)	2163
Potassium (as K)	224.40
Lithium (as Li)	8.51
Ammonia (as NH ₃)	0.00
Aluminum (as Al)	0.00
Iron (as Fe)	0.0510
Manganese (as Mn)	0.0120
Zinc (as Zn)	0.523
Lead (as Pb)	0.00

ANIONS

Chloride (as Cl)	3604
Sulfate (as SO ₄)	1500
Bromine (as Br)	0.00
Dissolved CO ₂ (as CO ₂)	0.00
Bicarbonate (as HCO ₃)	170.80
Carbonate (as CO ₃)	0.00
Oxalic acid (as C ₂ O ₄)	0.00
Silica (as SiO ₂)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	0.00
Fluoride (as F)	0.00
Nitrate (as NO ₃)	0.00
Boron (as B)	19.39

PARAMETERS

Calculated T.D.S.	8458
Molar Conductivity	10743
Resistivity	93.09
Sp.Gr.(g/mL)	1.01
Pressure(atm)	1.00
pCO ₂ (atm)	0.0373
pH ₂ S(atm)	0.00
Temperature (°F)	84.00
pH	6.34

COMMENTS

FALLON MT



DownHole Rx

DEPOSITION POTENTIAL INDICATORS

DENBURY
DILLON JAMES
FALLON MT

PENNEL MC 14-29H
WELLHEAD

Report Date: 01-25-2018 Sampled: 01-16-2018
Sample #: 4178 at 0000
Sample ID: 174892

SATURATION LEVEL

Calcite (CaCO ₃)	0.167
Aragonite (CaCO ₃)	0.145
Witherite (BaCO ₃)	0.00
Strontianite (SrCO ₃)	0.0417
Calcium oxalate (CaC ₂ O ₄)	0.00
Magnesite (MgCO ₃)	0.0398
Anhydrite (CaSO ₄)	0.270
Gypsum (CaSO ₄ *2H ₂ O)	0.428
Barite (BaSO ₄)	0.00
Celestite (SrSO ₄)	1.65
Fluorite (CaF ₂)	0.00
Calcium phosphate	0.00
Hydroxyapatite	0.00
Silica (SiO ₂)	0.00
Brucite (Mg(OH) ₂)	< 0.001
Magnesium silicate	0.00
Iron hydroxide (Fe(OH) ₃)	0.0702
Strengite (FePO ₄ *2H ₂ O)	0.00
Siderite (FeCO ₃)	0.0354
Halite (NaCl)	< 0.001
Thenardite (Na ₂ SO ₄)	< 0.001
Iron sulfide (FeS)	0.00

MOMENTARY EXCESS (Lbs/ 1000 Barrels)

Calcite (CaCO ₃)	-0.111
Aragonite (CaCO ₃)	-0.132
Witherite (BaCO ₃)	-10.92
Strontianite (SrCO ₃)	-0.723
Calcium oxalate (CaC ₂ O ₄)	-0.0731
Magnesite (MgCO ₃)	-0.451
Anhydrite (CaSO ₄)	-441.07
Gypsum (CaSO ₄ *2H ₂ O)	-285.36
Barite (BaSO ₄)	-0.00838
Celestite (SrSO ₄)	7.66
Fluorite (CaF ₂)	-10.00
Calcium phosphate	>-0.001
Hydroxyapatite	-253.90
Silica (SiO ₂)	-45.79
Brucite (Mg(OH) ₂)	< 0.001
Magnesium silicate	-92.89
Iron hydroxide (Fe(OH) ₃)	< 0.001
Strengite (FePO ₄ *2H ₂ O)	>-0.001
Siderite (FeCO ₃)	-0.121
Halite (NaCl)	-168193
Thenardite (Na ₂ SO ₄)	-48534
Iron sulfide (FeS)	-0.449

SIMPLE INDICES

Langelier	-0.634
Ryznar	7.61
Puckorius	6.27
Larson-Skold Index	47.87
Stiff Davis Index	-0.739
Oddo-Tomson	-0.873

BOUND IONS

Calcium	458.70	359.01
Barium	0.00	0.00
Carbonate	0.160	0.0384
Phosphate	0.00	0.00
Sulfate	1500	1095

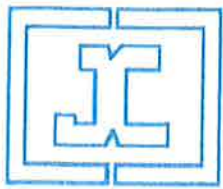
TOTAL**FREE****OPERATING CONDITIONS**

Temperature (°F) 84.00
Time(secs) 0.00

JACAM LABORATORIES

205 S. Broadway · P.O. Box 96 · Sterling, KS 67579-0096

DownHole SAT™ Water Analysis Report



SYSTEM IDENTIFICATION

DENBURY
 PENNEL MC 14-29H
 DILLON JAMES
 WELLHEAD
 FALLON MT

Sample ID#: 4178
 ID: 174892
 Report Date: 01-25-2018
 Sample Date: 01-16-2018
 at 0000

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	458.70
Magnesium(as Mg)	128.00
Barium(as Ba)	0.00
Strontium(as Sr)	27.13
Sodium(as Na)	
Potassium(as K)	224.40
Lithium(as Li)	8.51
Iron(as Fe)	0.0510
Field Iron(as Fe)	0.00
Ammonia(as NH ₃)	0.00
Aluminum(as Al)	0.00
Manganese(as Mn)	0.0120
Zinc(as Zn)	0.523
Lead(as Pb)	0.00

ANIONS

Chloride(as Cl)	3604
Sulfate(as SO ₄)	1500
Bromine(as Br)	0.00
Dissolved CO ₂ (as CO ₂)	0.00
Bicarbonate(as HCO ₃)	170.80
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H ₂ S (as H ₂ S)	0.00
Fluoride(as F)	0.00
Nitrate(as NO ₃)	0.00
Boron(as B)	19.39

PARAMETERS

Temperature(°F)	84.00
T.D.S.	8458
Resistivity:	93.09
Sample pH	6.34
Conductivity:	10743

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (atm)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackawenite FeS		CO ₂ (mpy)	pCO ₂ (atm)
50.00	0.00	0.0807	-0.163	0.276	-446.76	0.493	-236.99	0.00	-0.00351	1.77	8.51	0.0131	-0.173	0.00	-0.442	0.112	0.0373
65.45	0.00	0.115	-0.137	0.264	-460.03	0.457	-264.02	0.00	-0.00541	1.66	7.73	0.0213	-0.147	0.00	-0.445	0.254	0.0373
80.91	0.00	0.158	-0.115	0.268	-446.58	0.432	-282.60	0.00	-0.00783	1.64	7.63	0.0327	-0.125	0.00	-0.448	0.176	0.0373
96.36	0.00	0.206	-0.0967	0.286	-410.97	0.417	-293.38	0.00	-0.0107	1.68	7.92	0.0479	-0.107	0.00	-0.452	0.230	0.0373
111.82	0.00	0.261	-0.0809	0.319	-358.57	0.440	-267.92	0.00	-0.0141	1.75	8.35	0.0672	-0.0911	0.00	-0.456	0.242	0.0373
127.27	0.00	0.325	-0.0670	0.371	-294.87	0.491	-222.56	0.00	-0.0183	1.81	8.72	0.0922	-0.0776	0.00	-0.460	0.204	0.0373
142.73	0.00	0.399	-0.0545	0.448	-224.82	0.543	-183.81	0.00	-0.0235	1.86	9.01	0.124	-0.0658	0.00	-0.465	0.166	0.0373
158.18	0.00	0.484	-0.0431	0.557	-152.66	0.596	-150.60	0.00	-0.0299	1.90	9.24	0.164	-0.0554	0.00	-0.470	0.164	0.0373
173.64	0.00	0.580	-0.0325	0.714	-81.66	0.648	-122.02	0.00	-0.0378	1.93	9.42	0.213	-0.0461	0.00	-0.475	0.162	0.0373
189.09	0.00	0.688	-0.0225	0.939	-14.20	0.701	-97.35	0.00	-0.0474	1.96	9.54	0.272	-0.0378	0.00	-0.482	0.0787	0.0373
204.55	0.00	0.807	-0.0131	1.26	48.17	0.752	-76.02	0.00	-0.0591	1.97	9.61	0.341	-0.0304	0.00	-0.488	0.0642	0.0373
220.00	0.171	0.928	-0.00469	1.71	102.98	0.792	-61.35	0.00	-0.0745	1.95	9.48	0.417	-0.0242	0.00	-0.499	0.0868	0.0436
			Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		
		xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000		
			Barrels		Barrels		Barrels		Barrels		Barrels		Barrels		Barrels		

