



JOHN BEL EDWARDS  
GOVERNOR

State of Louisiana  
DEPARTMENT OF NATURAL RESOURCES  
OFFICE OF CONSERVATION

THOMAS F. HARRIS  
SECRETARY

RICHARD P. IEYOUB  
COMMISSIONER OF CONSERVATION

August 18, 2022

Jose Gago  
Oxy Low Carbon Ventures, LLC (60066)  
5 Greenway Plaza, Suite 110  
Houston, TX 77046

RE: Application No. 43301/Stratigraphic Test Well  
Pelican MLR Well No. 4  
Wildcat – So LA Lafayette District – Livingston Parish

Serial No. 975919  
API No. 17063880420000  
SEC 35/T05S/R05E

Dear Mr. Gago

The application by Oxy Low Carbon Ventures, LLC (60066) to drill a Class V stratigraphic test well has met the interim requirements for permitting such a well. You are hereby granted approval to perform the work as described in the application. Please note, injection may not occur until receipt of the fluid analysis. The approved work must be completed by August 18, 2023.

Oxy Low Carbon Ventures, LLC (60066) is to notify the Conservation Enforcement Specialist (CES) for Livingston Parish, Seth Henderson at 225-342-2492, Monday through Friday, or by calling the Injection and Mining Division at (225) 342-5515 at least 72 hours prior to commencement of work. At least 48 hours before the casing test of the long string, contact the CES to schedule a witnessed casing test.

Within twenty (20) days after completion of the work, please an original copy of a Class V Well History and Work Resume Report (Form UIC-42) documenting the work conducted.

Please be reminded that for future work on the well, a work permit approval must be obtained from this office before repairing, stimulating, plugging, or otherwise working on this well.

Yours very truly,

Richard P. Ieyoub  
Commissioner of Conservation

Stephen H. Lee, Director  
Injection and Mining Division

:\OoC\Restricted\Inj Engineering Letter Library\Permit to Construct\2022 SN 975919 WP 43301 Class V Strat Test.docx

RPI:SHL:CMT

Injection and Mining Division  
617 North 3rd Street • 8th Floor • Baton Rouge, Louisiana 70802  
Phone (225) 342-5515 • Injection-Mining@LA.gov • www.dnr.state.la.us/conservation  
An Equal Opportunity Employer

## Cody Todd

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**From:** Cody Todd  
**Sent:** Wednesday, August 24, 2022 4:39 PM  
**To:** 'Gago, Jose L'  
**Subject:** RE: Coring Program Change Pelican MLR-04

Jose,





The proposed procedure to acquire additional cores as outlined below is approved.

Please let me know if you have any questions.

Best,



**Cody Todd, E.I.**  
Petroleum Scientist III  
DNR - Office of Conservation  
Injection and Mining Division

 (225) 342-4123  
 [Cody.Todd@LA.GOV](mailto:Cody.Todd@LA.GOV)  
 [www.dnr.louisiana.gov](http://www.dnr.louisiana.gov)  
 617 N. Third St, Baton Rouge La 70802

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**From:** Gago, Jose L <Jose\_Gago@oxy.com>  
**Sent:** Wednesday, August 24, 2022 3:14 PM  
**To:** Cody Todd <Cody.Todd@la.gov>  
**Subject:** FW: Coring Program Change Pelican MLR-04

**EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.**

Cody,

As we discussed over the phone, below is Angie's write up with the proposed changes to the coring schedule as well as the corresponding changes in the procedure. Please let me know if we would need to seek approval for this changes, and if that is the case what would the LDNR need from us and how long do you think it would take to get it approved.

Also, we have another question regarding the USDW. The subsurface team expects that the base of the USDW is going to be shallower than what the closest log submitted shows. If that is the case, will we need to move the surface casing setting depth? Is there any limitation on how much deeper the surface casing needs to be from the bottom of the USDW?

Thanks again for all your help,

Jose.

From Angie:

The sub surface team is looking to characterize the Pliocene seal between the USDW aquifers and the saline aquifers of the Miocene. For this we need to slightly adjust the coring program since by correlation , the seal the team want to characterized its located between ~

3192 to 3252 ft, which implies that it would be cored during the surface section of the well. Additionally we increased slightly the core points No 2, 3, 4 .

Attached proposed changes in coring schedule:

Original:

No	Formation	Depth (ft)	Length (ft)
1	Oligocene-Unconformity	3,420	60
2	Mio – Seal	5,200	60
3	Miocene - Injection Zone	5,400	60
4	Anahuac – Seal	5,700	60
5	Anahuac - Injection Zone	6,300	60
6	Frio - Injection Zone	6,600	90
7	Frio - Injection Zone	6,690	90
8	Vicksburg	7,600	60

Proposal:

No	Formation	Depth (ft)	Length (ft)
1	Pliocene Seal	3192	60
2	Mio - Seal	5200	90
3	Miocene - Injection Zone	5400	120
4	Anahuac - Seal	5700	90
5	Anahuac - Injection Zone	6300	60
6	Frio - Injection Zone	6600	90
7	Frio - Injection Zone	6690	90
8	Vicksburg	7600	60

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The procedure changes will be as follow (page 5):

- Pick up surface BHA.
- Drill 12 ¼” surface hole to coring point XX ft.
- Pull drilling assembly out of the hole.
- Run coring assembly.
- Acquired core from XX to XX ft.
- Pull coring assembly out of the hole and recover core.
- Run in hole with drilling assembly and circulate.
- Enlarge hole from XX to XX ft to 12 ¼” and drill to planned TD 3,380 ft.
- Pull drilling assembly out of the hole.
- Run surface logs by program.

Let me know if this is ok.

Thanks

Angie Contreras



Oxy Low Carbon Ventures, LLC

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521  
P.O. Box 27570, Houston, Texas 77227-7570  
Phone 713.215.7000

August 9, 2022

Re: SN 975919

State of Louisiana  
Department of Natural Resources  
Office of Conservation Injection & Mining Division  
617 North Third Street  
Baton Rouge, LA 70802-5428

RE: Class V Stratigraphic Well  
Well Name: Pelican MLR  
Well No: 4  
API: New Drill  
Section 35, T-5S, R-5E  
Livingston Parish, LA

To Mrs. Laura Sorey, Petroleum Scientist Supervisor:

Oxy Low Carbon Ventures, LLC. respectfully submits the attached UIC-25 Stratigraphic Test Class V- Well permit application. In support of this request, please find the following documentation:

- Form UIC-25 Stratigraphic Test
- Certified location plat showing the location of the Class V well
- Annotated copy of an electric well log of the nearest offset well showing the depths of the USDW and injection zones
- Work prognosis for drilling, completing, and testing the well
- Certified well schematic of the wellbore and wellhead (included in the prognosis). The schematics were certified by Robert X. Rodriquez PE, license No. 31545. The stamp is embossed in the original document and it's not clearly readable on the pdf.

The injection test fluid analysis will be provided once the source of fresh water has been identified and secured.

If you have any questions regarding this application, please contact me at 832-646-4450 or email [Jose\\_Gago@oxy.com](mailto:Jose_Gago@oxy.com).

Sincerely,

Jose Gago  
Regulatory Engineer

APP 43301




# UIC-25 Stratigraphic Test

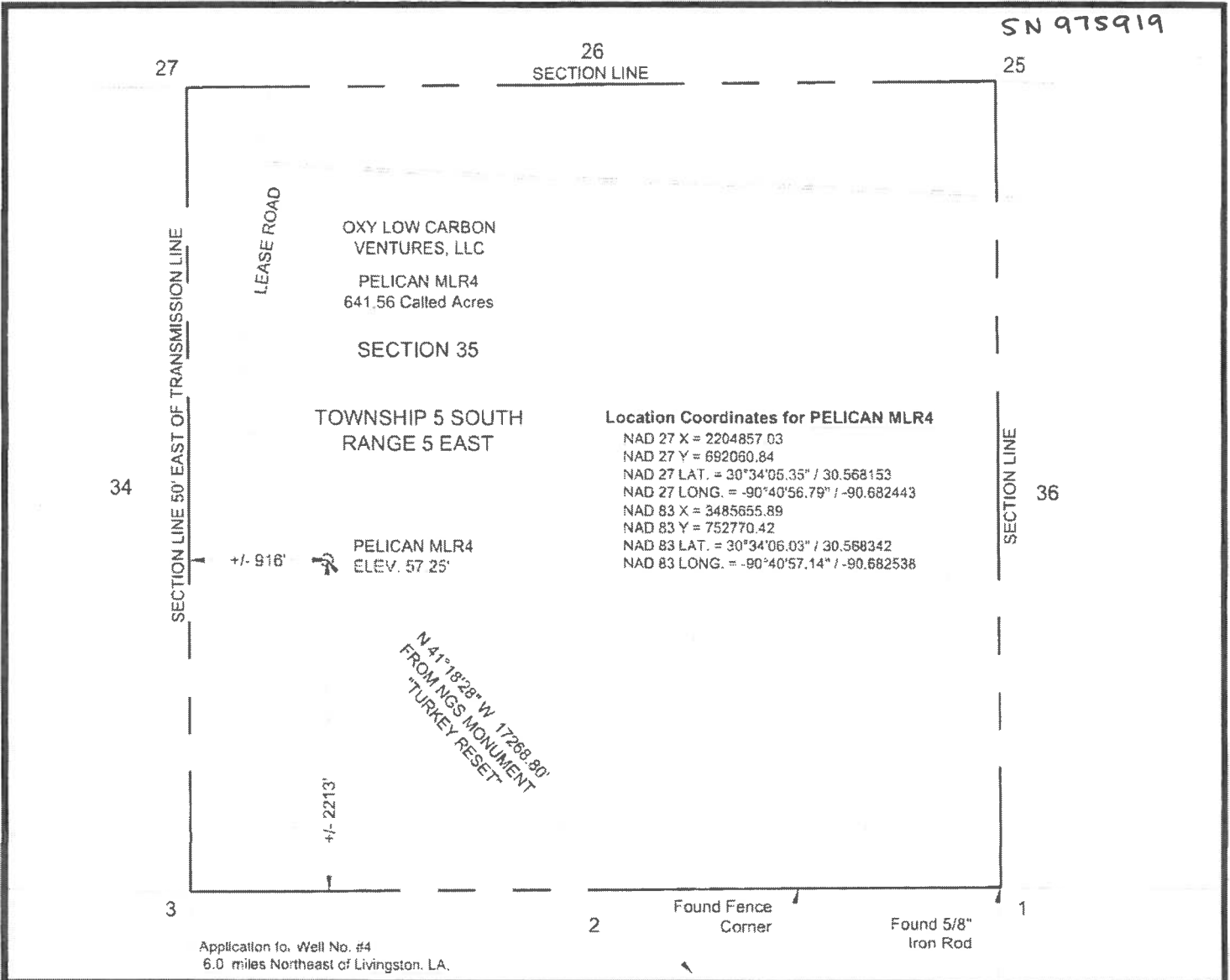
## CLASS-V WELL PERMIT APPLICATION

975919

<b>1. APPLICATION TYPE: (Check One)</b> <input checked="" type="checkbox"/> DRILL AND COMPLETE NEW CLASS-V WELL <input type="checkbox"/> CONVERT AN EXISTING WELL TO CLASS-V <input type="checkbox"/> OTHER (SPECIFY):		<b>LOUISIANA DEPARTMENT OF NATURAL RESOURCES - OFFICE OF CONSERVATION</b>  <b>INJECTION &amp; MINING DIVISION</b> Injection-Mining@la.gov (225) 342-5515		
<b>2. IDENTIFY WELL USE</b> Experimental Technologies LAC 43:XVII.103.C.5.o. After data collection it will be a monitoring well for a Carbon Dioxide geologic sequestration project.				
<b>3. OWNER/OPERATOR NAME</b> Oxy Low Carbon Ventures, LLC			<b>4. OC OPERATOR CODE</b> 60066	
<b>5. OWNER/OPERATOR MAILING ADDRESS</b> 5 Greenway Plaza, Suite 110			<b>6. CITY, STATE, ZIP CODE</b> Houston Texas, 77046	
<b>7. TELEPHONE NO</b> (713) 366-5785		<b>8. E-MAIL ADDRESS</b> jose_gago@oxy.com		
<b>9. WELL NAME</b> Pelican MLR		<b>10. WELL NO</b> 4	<b>11. WELL SERIAL NO (Well Conversions Only)</b>	
<b>12. FIELD NAME (if known)</b> WILDCAT - SO LA LAFAYETTE DISTRICT <span style="float: right;">CMT</span>			<b>13. FIELD CODE (if known)</b> 9727 <span style="float: right;">CMT</span>	
<b>14. PARISH NAME</b> Livingston		<b>15. SECTION</b> 35	<b>16. TOWNSHIP</b> 5S	<b>17. RANGE</b> 5E
<b>18. LOUISIANA COORDINATE ZONE (Check One)</b> <input type="checkbox"/> NORTH ZONE <input checked="" type="checkbox"/> SOUTH ZONE		For Item Numbers 19 Through 24, Give Coordinates in Louisiana Coordinate System 1927 and 1983		
<b>19. LATITUDE (NORTH) NAD 1927</b> 30°34'05.35"	<b>20. LONGITUDE (WEST) NAD 1927</b> 90°40'56.79"	<b>21. LOUISIANA LAMBERT (X-Y) COORDINATES (NAD 1927)</b> x: 2204857.03      y: 692060.84		
<b>22. LATITUDE (NORTH) NAD 1983</b> 30°34'06.03"	<b>23. LONGITUDE (WEST) NAD 1983</b> 90°40'57.14"	<b>24. LOUISIANA LAMBERT (X-Y) COORDINATES (NAD 1983)</b> x: 3485655.89      y: 752770.42		
<b>25. LIST PERMITS, LICENSES, OR APPROVALS THE APPLICANT HAS RECEIVED OR APPLIED FOR WHICH SPECIFICALLY AFFECT THE APPLICANT'S LEGAL OR TECHNICAL ABILITY TO CARRY OUT THE PROPOSED ACTIVITY. INCLUDE IDENTIFICATION NUMBER OF APPLICATIONS OR, IF ISSUED, THE IDENTIFICATION NUMBER OF THE PERMIT, LICENSE, OR OTHER APPROVALS.</b>				
Regulatory Program or Agency		Permits, Licenses, Construction, Project Approval Identification		

26. WELL CASING / CEMENT DATA								
HOLE SIZE (inches)	CASING SIZE (OD - inches)	CASING WEIGHT (lb/ft)	CASING GRADE	CASING/LINER SETTING DEPTHS		SACKS CEMENT	TYPE CEMENT/ YIELD (ft <sup>3</sup> /sack)	CEMENT TOP (feet)
				TOP (feet)	BOTTOM (feet)			
24	16	42.09	5L GrB	0	200	455	Concrete/0.77	0
12.25	9.625	40	K55	0	3380	784/540	G+additives/1.9/1.16	0
8.5	5.5	17	L80	0	7800	790/750	G & CO2 resistant/1.77/1.23	0
27. BASE OF USDW 3280'		28. WELL TOTAL DEPTH 7800'		29. WELL PLUGBACK DEPTH 7800'		30. TUBING SIZE & DEPTH N/A		31. PACKER SIZE & DEPTH N/A
32. INJECTION ZONE DEPTHS (if applicable) Top: 5350' 6250' Bottom: 5675' 7510'			33. COMPLETION/PERFORATION DEPTHS (if applicable) Top: 5350' 6250' Bottom: 5675' 7510'			34. WELL COMPLETION (Check One) <input type="checkbox"/> OPEN HOLE <input checked="" type="checkbox"/> PERFORATIONS <input type="checkbox"/> SCREEN		
INJECTIVITY TEST INFORMATION (if applicable)								
35. TEST MATERIAL (e.g. nitrogen, brine, etc): Fresh water  ***CO2 is prohibited as a Class V test material***			36. MAXIMUM TEST PRESSURE (psi): Estimated to be 2000 psi (at surface) Step rate test to find frac pressure.			37. TOTAL INJECTION VOLUME: Estimated to be 8000 barrels (volume for SRT in three zones)		
38. Is the Well Located on Indian Lands or Other Lands Owned by or under the Jurisdiction or Protection of the Federal Government?								<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
39. Is the Well Located on State Water Bottoms or Other Lands Owned by or under the Jurisdiction or Protection of the State of Louisiana?								<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
40. AGENT OR CONTACT AUTHORIZED TO ACT ON BEHALF OF THE APPLICANT DURING THE PROCESSING OF THIS APPLICATION								
NAME: <u>Jose Gago</u>								
MAILING ADDRESS: <u>5 Greenway Plaza, Suite 110</u>								
CITY, STATE, ZIP CODE: <u>Houston, Texas, 77046</u>								
TELEPHONE NUMBER: <u>713-366-5785</u> FAX NUMBER: _____								
E-MAIL ADDRESS: <u>jose_gago@oxy.com</u>								
41. CERTIFICATION BY WELL OWNER/OPERATOR								
I certify that as the owner/operator of the injection well, the person identified in Item No. 46 above is authorized to act on my behalf during the processing of this application, to submit additional information as requested, and to give oral statements in support of this application. I will grant an authorized agent of the Office of Conservation entry onto the property to inspect the injection well and related appurtenances as per LSA-R.S. 30:4. I agree to operate the well in accordance with Office of Conservation guidelines. I further certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment or both (LSA-R.S. 30:17).								
Print Name of Well Owner/Operator Douglas Conquest					Print Title of Company Official (as applicable) VP Low Carbon Venture Services			
Signature of Well Owner/Operator 						Date 08/10/2022		

SN 975919



OXY LOW CARBON VENTURES, LLC - PROPOSED PELICAN MLR4 WELL SURVEYED APRIL 9, 2022 AS FOLLOWS:

LOCATION BEING N 41°18'28" W, 17,268.80' FROM NGS MONUMENT "TURKEY RESET" AND LOCATED IN SECTION 35, T5S-R5E, LIVINGSTON PARISH, LOUISIANA.

I, FRED P. LANGHAM, PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE WELL LOCATION DEPICTED AND DESCRIBED IN THIS PLAT WAS [STAKED OR LOCATED] AND SURVEYED IN THE FIELD BY ME OR UNDER MY DIRECTION WITH ACCURACY AND PRECISION TO THE NEAREST FOOT. I HAVE PROPERLY EXAMINED THIS PLAT AND HAVE DETERMINED THAT IT COMPLIES WITH EXISTING LOCAL LOUISIANA CODES, AND HAS BEEN PROPERLY SITE ADAPTED TO USE IN THIS AREA.

**Driving Directions:**

From Livingston, LA (int. of South Frost Road & Florida Boulevard) to well drive East on Florida Boulevard for 3.2 mi. Turn left onto Sidney Woods Road, and drive for 1.0 mi. Turn right onto Charles Holden Road and continue for 0.2 mi. Then turn left onto LA-1036 N and continue for 2.9 mi. Then turn right onto LA-442 E and continue for 0.4 mi. Then turn left onto an existing lease road and continue for 0.7 mi. The proposed PELICAN MLR4 location will be on the right-hand side of road.

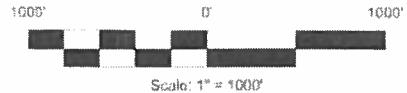
**NOTES:**

1. BEARINGS AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE LOUISIANA COORDINATE SYSTEM OF 1983 (LOUISIANA SOUTH ZONE 1702).
2. LATITUDE & LONGITUDE ARE NAD 83 AND NAD 27 GEOGRAPHIC.
3. THIS PLAT IS NOT A BOUNDARY SURVEY AND DOES NOT COMPLY WITH THE "STANDARDS OF PRACTICE FOR PROPERTY BOUNDARY SURVEYS" AS ADOPTED BY THE LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD. THIS SURVEY IS BASED ON OWNERSHIP AND EASEMENT INFORMATION PROVIDED BY OXY USA, INC. SURVEYOR DID NOT ABSTRACT SUBJECT TRACT AND THERE MAY BE EASEMENTS OR OTHER ENCUMBRANCES THAT AFFECT THE SUBJECT TRACT THAT ARE NOT SHOWN HEREON.
4. ELEVATION OF GROUND AT LOCATION +57.25 (NAVD88) OBTAINED FROM RTK GPS OBSERVATION.
5. BEARING CALCULATION BASED ON COMPUTATIONS USING PUBLISHED COORDINATES OF MONUMENT AND RTK GPS POSITION OF WELL.



*Fred P. Langham* 09/08/22  
FRED P. LANGHAM  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF LOUISIANA #04593

Date Surveyed April 9, 2022



OXY LOW CARBON VENTURES, LLC  
PELICAN MLR4

Section 35  
Township 5 South, Range 5 East  
Livingston Parish, Louisiana

**LEGEND**

- DENOTES SURVEY BOUNDARY/TRACT LINE
- DENOTES PROPOSED WELL LOCATION
- DENOTES PRODUCING WELL LOCATION
- DENOTES PERMITTED WELL LOCATION



Louisiana Firm # VF. 0000883  
201 West Wall Street, Suite 325  
Midland, TX 79701  
(817) 529-1180 ~ Fax (817) 529-1181

DRAWN BY: BAB  
CHECKED BY: FPL  
PAGE 1 OF 1

DATE: 08/05/2022  
DATE: 08/05/2022  
SCALE: 1" = 1000'

DWG. NO.  
10591\_PELICAN MLR4\_REV2

REVISION NO.  
2





**Pelican MLR-04 (Class V)  
Drilling, Completion and Testing**

a75919

**a) General Well Information**

Well Name	Pelican MLR-04
Well Classification	Class V
County , State	Livingston, Louisiana
Target Formation	Miocene, Anahuac, Frio
TVD / MD (ft)	7800 ft.
Trajectory	Vertical.

**b) Prognosis:**

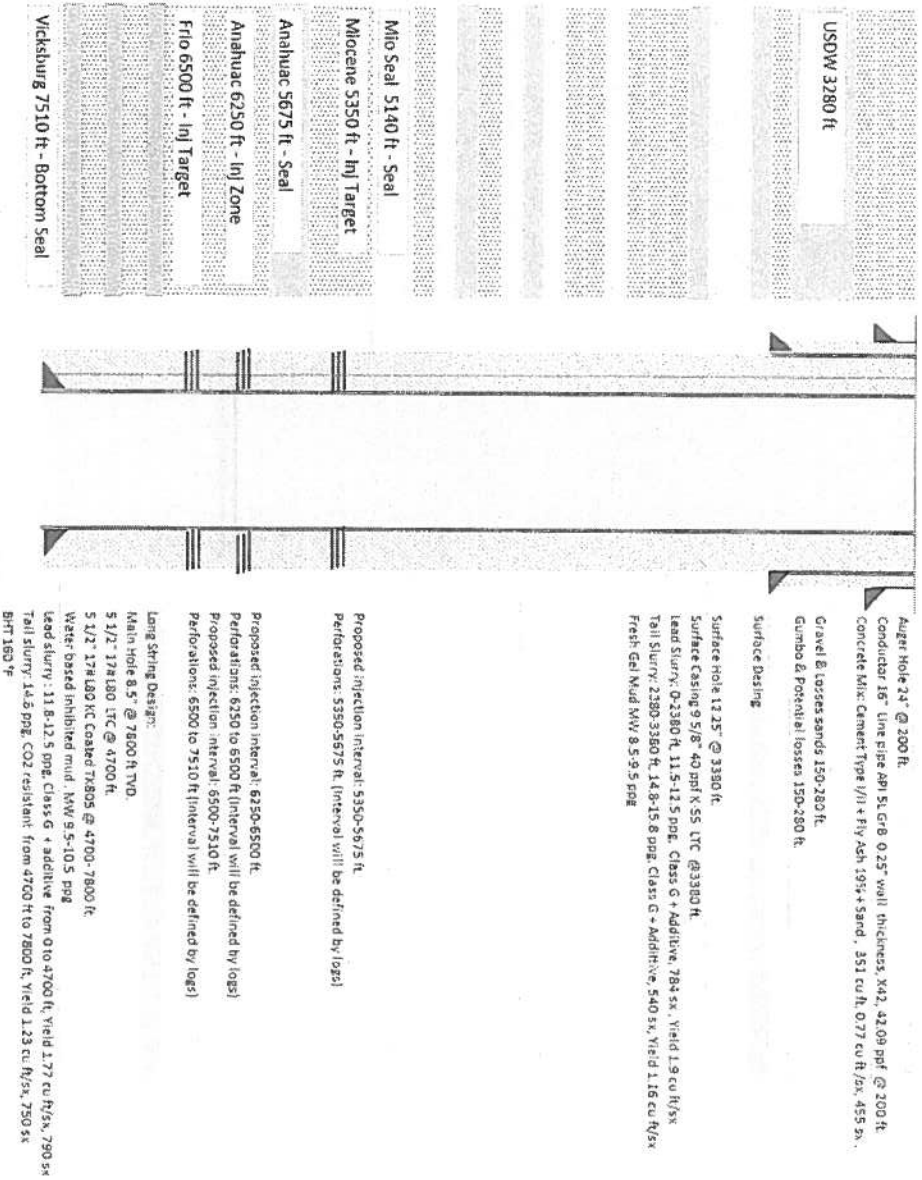
Intervals	TVD (ft)	Comments
Base of USDW	3280	
Mio- Seal	5140	Shale Seal.
Miocene – Injection Target	5350	Sandstone permeable zone.
Top of Anahuac - Seal	5675	Shale Seal.
Top of Anahuac – Injection Target	6250	Sandstone permeable zone.
Top of Frio – Injection Target	6500	Sandstone permeable zone. Main Target.
Top of Vicksburg	7510	Shale Seal.



**Pelican MLR-04 (Class V)  
Drilling, Completion and Testing**

975919

**c) Proposed post construction wellbore schematic:**



"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, and/or imprisonment"

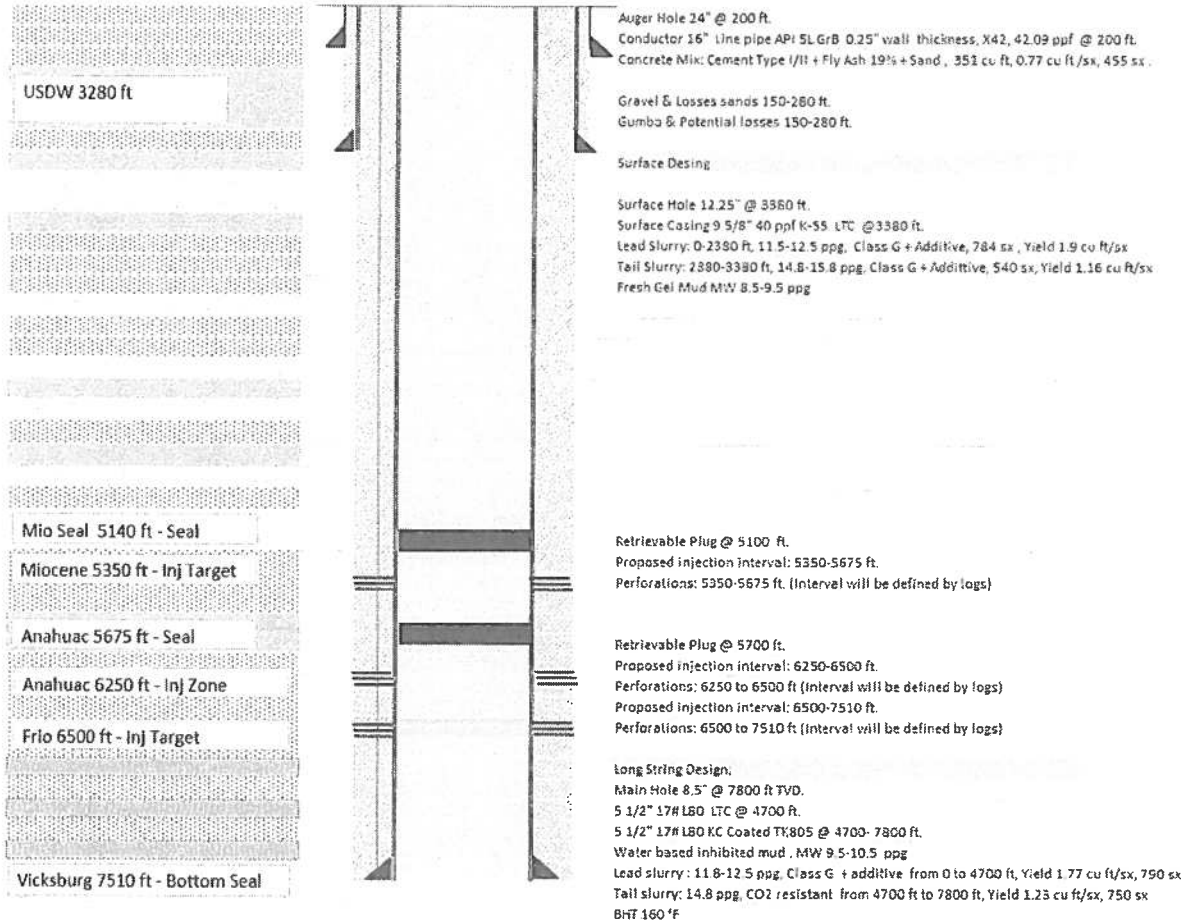
8/10/2022

975919



# Pelican MLR-04 (Class V) Drilling, Completion and Testing

## d) Proposed post temporarily abandoned wellbore schematic:



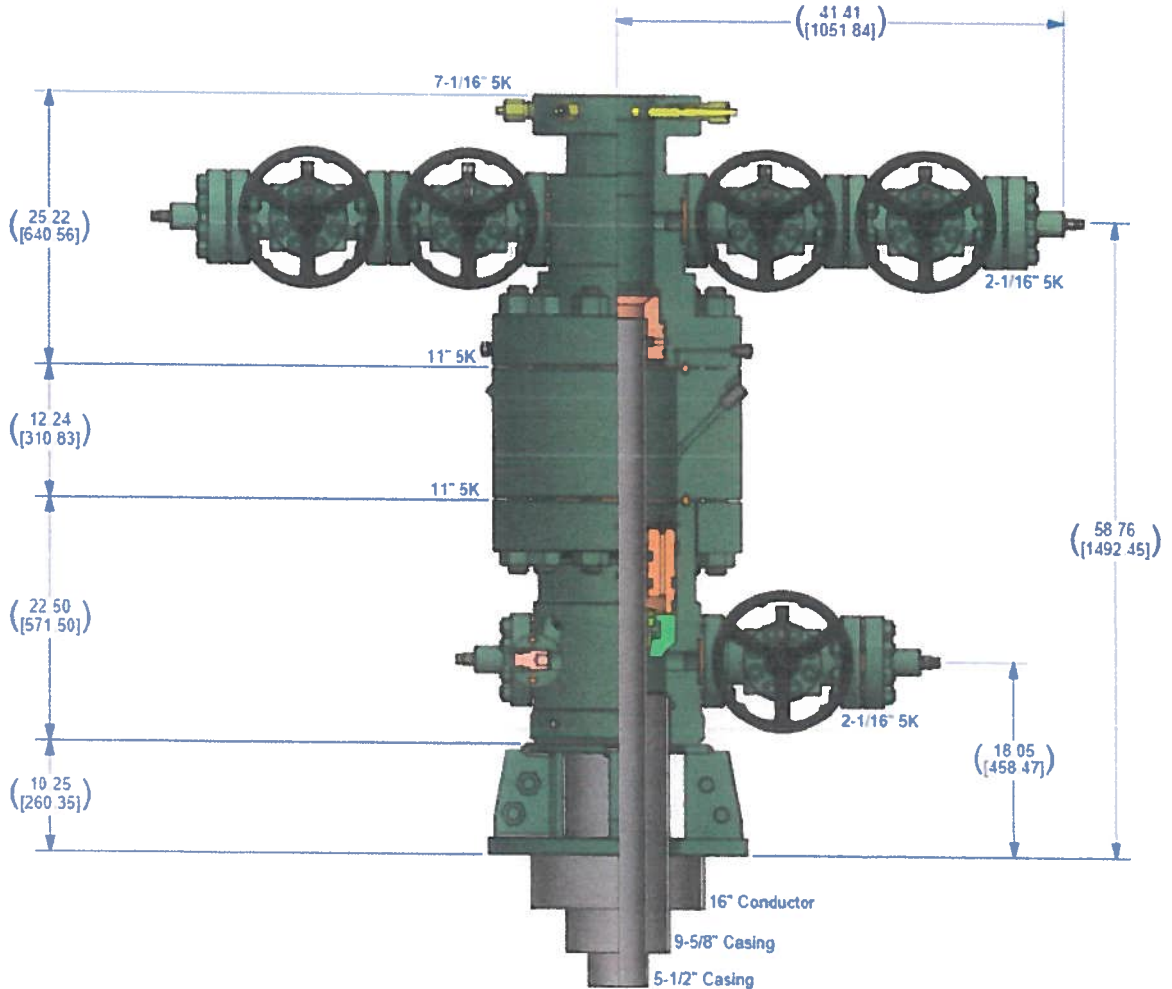
"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, and/or imprisonment"

*[Handwritten Signature]*  
8/10/2022



# Pelican MLR-04 (Class V) Drilling, Completion and Testing

## d) Wellhead Schematic:



Note: the well will be TA with a night cap flange.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, and/or imprisonment."

*[Handwritten Signature]*  
5/11/2022



## Pelican MLR-04 (Class V) Drilling, Completion and Testing

INJECTION &amp; MINING DIVISION

AUG 18 2022

OFFICE OF CONSERVATION

### f) Drilling Scope:

- Pre-set 16" line pipe conductor in 24" hole to 200 ft.
  - 16" Line pipe API 5L GrB 0.25" wall thickness, X42, 42.09 ppf.
  - Concrete Mix: Cement + Fly ash 19% + Sand, 351 cu ft, 0.77 cu ft/sack, 455 sacks.
- Mobilized drilling rig to location.
- Pick up surface BHA.
- Drill 12 ¼" surface hole to 3,380 ft.
- Run surface logs by program.
- Run surface casing to 3,380 ft (9 5/8" 40 ppf K-55 LTC).
- Cement surface casing.
  - Lead Slurry: 0-2,380 ft, 11.5-12.5 ppg, Class G + additives, 784 sacks, yield 1.9 cu ft/sack.
  - Tail Slurry: 2,380-3,380 ft, 14.8-15.8 ppg, Class G + additives, 540 sacks, yield 1.16 cu ft/sack.
- Install and tested 5K BOP.
- Pick up directional BHA.
- Test casing 1000 psi for 30 min without losing more than 5% pressure and the results will be submitted to the Injection and Mining Division on Form CSG-T. Contact CES to witness mechanical integrity test.
- Performed FIT/LOT at the shoe.
- Drill 8 ½" hole to TD , following coring program proposed.
- Run logs by program.
- Run long string casing with fiber optic attached to the exterior.
  - 5 1/2" 17# L80 LTC @ 4,700 ft.
  - 5 1/2" 17# L80 KC Coated TK805 @ 4,700 - 7,800 ft.
- Cement long string casing to surface.
  - Lead slurry, 11.8-12.5 ppg, class G cement + additives from 0 to 4,700 ft, yield 1.77 cu ft/sack, 790 sacks.
  - Tail slurry, 14.8 ppg, CO<sub>2</sub> resistant cement from 4,700 ft to 7,800 ft, yield 1.23 cu ft/sack, 750 sacks.
  - Note: a two stage job might be needed to ensure cement to surface. This procedure will be discussed with Injection and Mining Division if needed for approval.
- Wait on cement.
- Nipple down BOP .
- Install surface equipment and section.
- Demobilized rig.

### g) Completion and testing procedure – Temporarily abandonment for future use:

- Mobilized workover rig.
- Nipple up BOP (Blow Out Preventer).
- Pick up work string and bit to clean cement.
- Run in the hole and tag float collar or top of cement.
- Test casing 1000 psi for 30 min without losing more than 5% pressure and the results will be submitted to the Injection and Mining Division on Form CSG-T. Contact CES to witness mechanical integrity test.
- Drilled out cement to float collar (if needed).
- Pull BHA out of the hole.



## Pelican MLR-04 (Class V) Drilling, Completion and Testing

975919

- Run cement bond evaluation. CBL will be sent to the Injection and Mining Division for confirmation on adequate cement isolation both above and below zone prior to continuing.
- Perforate first testing zone (Frio) , Interval 6,500-7,510 ft.
- Perform Step Rate with water pumping through casing.
  - Water sample will be provided to Injection and Mining Division to obtain permit to inject.
  - Injection through casing its required due to the high permeability rocks and the target injection rates expected.
  - For small diameter tubing friction forces restrict the amount of volume to be pumped create excessive pressure on the surface equipment.
  - Surface and downhole gauges will be installed to record bottom hole and pumping pressures.
- Perform Fall Off Test.

**SRT pumping schedule proposal:**

Time_min	WI_BPM	CumWI_Bbls
5	5.56	28
5	9.72	76
5	12.5	139
10	2.78	167
5	13.89	236
5	16.67	319
5	19.44	417
5	22.22	528
5	25	653
5	27.78	791
5	30.56	944
5	33.33	1,111
5	34.72	1,284
30	20.83	1,909
120	0	1,909

Total Time (min):           220  
 Total Volume (bls):       1,909  
 Step Rate & Fall Off Test Schedule Zone 1

WI: Water Injection  
 BPM: Barrels per minute  
 Cum WI\_Bbls: Cumulated barrels of water injected.

- Run retrievable plug above Frio perforations ~ 6,500 ft. Test plug with 300 psi.
- Perforate second testing zone (Anahuac), Interval 6,250-6,500 ft.
- Perform Step Rate with water through casing.
- Perform Fall Off Test.



## Pelican MLR-04 (Class V) Drilling, Completion and Testing

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**SRT pumping schedule proposal:**

Time_min	WI_BPM	CumWI_Bbls
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5	25	653
5	27.78	791
5	30.56	944
5	33.33	1,111
5	34.72	1,284
30	20.83	1,909
120	0	1,909

Total Time (min):           220  
 Total Volume (bls):       1,909  
 Step Rate & Fall Off Test Schedule Zone 2

WI: Water Injection  
 BPM: Barrels per minute  
 Cum WI\_Bbls: Cumulative barrels of water injected.

- Retrieve plug at 6,500 ft.
- Set retrievable bridge plug at 5700 ft for Temporary Abandonment (TA) of the well.
- Pressure test the plug to 300 psi for no less than 30 minutes without losing more than 5% pressure ~~and~~ CMT  
~~the result will be submitted to the Injection and Mining Division on Form CSG-T.~~ The LDNR will be notified 48 hours before testing the plug in case they would like to witness the test.
- Perforate third testing zone (Miocene), Interval 5,350-5,675 ft.
- Perform Step Rate with water through casing.
- Perform Fall Off Test.



## Pelican MLR-04 (Class V) Drilling, Completion and Testing

975919

**SRT pumping schedule proposal:**

Time_min	WI_BPM	CumWI_Bbls
5	5.56	28
5	9.72	76
5	12.5	139
10	2.78	167
5	13.89	236
5	16.67	319
5	19.44	417
5	22.22	528
5	25	653
5	27.78	791
5	30.56	944
5	33.33	1,111
5	34.72	1,284
30	20.83	1,909
120	0	1,909

Total Time (min):           220  
 Total Volume (bls):       1,909  
 Step Rate & Fall Off Test Schedule Zone 3

WI: Water Injection  
 BPM: Barrels per minute  
 Cum WI\_Bbls: Cumulated barrels of water injected.

- Set retrievable bridge plug at 5100 ft to Temporary Abandonment (TA) the well.
- Pressure test the plug to 300 psi for no less than 30 minutes without losing more than 5% pressure and CMT  
~~the result will be submitted to the Injection and Mining Division on Form C56-T.~~ The LDNR will be notified 48 hours before testing the plug in case they would like to witness the test.
- Displace well with inhibited packer fluid 10 ppg.
- Pull out of the hole work string.
- Nipple down BOP.
- Install night cap and gauge in the wellhead.
- Rig down equipment.



**Pelican MLR-04 (Class V)  
Drilling, Completion and Testing**

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**h) Completion and testing procedure - Plug and abandon alternative :**

If final decision is to plug and abandon the well after the testing, the abandonment procedure will be discussed with the Injection and Mining Division and a procedure will be submitted via form UIC-17. The perforations will be squeezed with CO2 resistant cement slurries.

**i) Logging & Testing Program:**

**1. Mudlogging Requirements:**

- a. Collect samples from surface to final TD, every 30 ft maximum.

**2. Coring Requirements:**

No	Formation	Depth (ft)	Length (ft)
1	Oligocene-Unconformity	3,420	60
2	Mio – Seal	5,200	60
3	Miocene - Injection Zone	5,400	60
4	Anahuac – Seal	5,700	60
5	Anahuac - Injection Zone	6,300	60
6	Frio - Injection Zone	6,600	90
7	Frio - Injection Zone	6,690	90
8	Vicksburg	7,600	60

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INJECTION & MINING DIVISION



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3. Logging Program:

Section	Log	Int/Sample
12.25 " @ 3,380 ft	Open Hole Logs:	
	Resistivity	0-3,380
	Neutron	0-3,380
	Density	0-3,380
	Gamma Ray	0-3,380
	SP	0-3,380
	4/6 arm caliper	0-3,380
	Sonic Scanner	0-3,380
	Cased Hole Logs:	
	CBL-VDL-CCL	0-3,380
8 1/2" @ TD	Open Hole Logs:	
	Resistivity	3,380-TD
	Density	3,380-TD
	Neutron	3,380-TD
	Spectral GR	3,380-TD
	Sonic Scanner	3,380-TD
	High Definition Image	3,380-TD
	4/6 arm Caliper	3,380-TD
	NMR / CMR	3,380-TD
	Lithoscanner	3,380-TD
	MDT Pressure	15
	SWC	50
	Fluid Samples	10
	MDT Mini Frac	6
	Cased Hole Logs & Test:	
CBL-VDL, USIT, Temp Log	0-TD	



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4. Testing Program:

Testing	Formation	Test
1	Miocene – Injection Zone	SRT, Fall Off
2	Anahuac – Injection Zone	SRT, Fall Off
3	Frio – Injection Zone	SRT, Fall Off

j) Specification of the concrete mix for conductor pipe:



**CAJUN**  
 READY MIX CONCRETE

**CONCRETE MIX DESIGN**

ITEM: 752AC  
 DESCRIPTION: 4000 PSI Auger  
 PLANT: ALL  
 FLYASH CONTENT: 19%  
 WATER/CEMENT RATIO: 0.45  
 SACK CONTENT: 9.91  
 UNIT WEIGHT: 137.04 LBS/CF

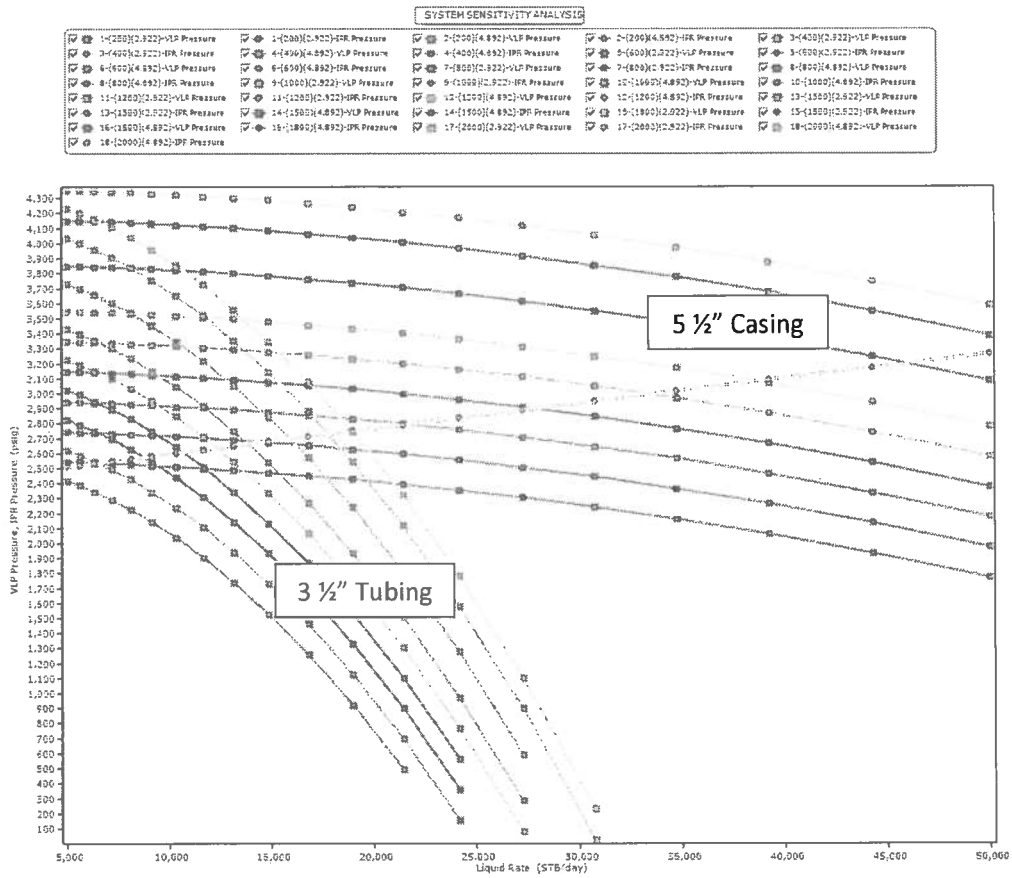
MATERIAL	UNITS	SP.GRAV.	VOLUME
CEMENT	752	3.15	3.83
FLYASH	180	2.80	1.03
SAND	2351	2.62	14.38
GRAVEL #57	0	2.53	0.00
PG # 8	0	2.53	0.00
WATER	417.0	1.00	6.68
AIR %	4.0	0.27	1.08
AEA	0.0	*****	0.00
RET	28.0	*****	0.00

**27.00** TOTAL CF



# Pelican MLR-04 (Class V) Drilling, Completion and Testing

## k) VLP Analysis Step Rate Test & Fall Off:





**OCCIDENTAL LOW CARBON  
VENTURES, LLC**

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046  
P.O. Box 4294, Houston, Texas 77210-4294  
Direct: 713.366.5106

June 16, 2022

Ms. Laura Sorey  
Louisiana Office of Conservation  
PO Box 94275  
Capital Station  
Baton Rouge, LA 70804-9275

RE: Proof of Publication  
Occidental Low Carbon Ventures, LLC  
DNR OCC Code: 60066

Please see attached Proof of Publication in support of our Class V permit application submittal.

If you have any questions or concerns, please contact me at [Kelley\\_montgomery@oxy.com](mailto:Kelley_montgomery@oxy.com) or 832-454-8137.

Respectfully,

A handwritten signature in cursive script that reads "Kelley Montgomery".

Kelley Montgomery  
Director Regulatory

**OFFICE OF CONSERVATION**

JUN 20 2022

**INJECTION & MINING DIVISION**

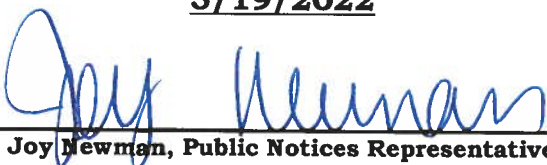
# CAPITAL CITY PRESS

**Publisher of  
THE ADVOCATE**

## PROOF OF PUBLICATION

The hereto attached notice was published in **THE ADVOCATE**, a daily newspaper of general circulation within Louisiana, and the Official Journal of the State of Louisiana, City of Baton Rouge, and Parish of East Baton Rouge, or published daily in **THE TIMES-PICAYUNE/THE NEW ORLEANS ADVOCATE**, in New Orleans, Louisiana, or published daily in **THE ACADIANA ADVOCATE** in

5/19/2022



Joy Newman, Public Notices Representative

Sworn and subscribed before me by the person whose signature appears above

6/8/2022



M. Monic McChristian,  
Notary Public ID# 88293  
State of Louisiana  
My Commission Expires: Indefinite

OCCIDENTAL OIL AND GAS  
5 GREENWAY PLAZA, STE 110  
HOUSTON, TX 77046

#76119

OFFICE OF CONSERVATION

JUN 20 2022

INJECTION & MINING DIVISION



**PUBLIC NOTICE**

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**NOTICE OF INTENT OF-  
FICE OF CONSERVATION  
INJECTION AND MINING  
DIVISION**

In accordance with the laws of the State of Louisiana and the particular reference to the provisions of La. R.S.30:4, and the provisions of Statewide order No. 29-N-1 (LAC 43:XVII.Subpart 1) as amended and adopted by the Office of Conservation of the State of Louisiana,

Company Name: Oxy Low Carbon Ventures, LLC.  
Address: 5 Greenway Plaza, Suite 110  
City, State, Zip: Houston, TX 77046  
Phone: (713) 215-7000

Has applied to the office of Conservation, Injection and Mining Division for a permit to drill and complete a Class V subsurface Stratigraphic Test well to acquire geotechnical information.

The proposed test hole will be in Section 35, Township 5S, Range 5E, Livingston Parish, Louisiana, and will be identified as "Pelican MLR 4".

The well will be drilled to a depth of approximately 7,800 feet below surface with geotechnical cores, fluid samples, static pressure measurements, and other applicable information collected.

The application is available for inspection from 8:00 a.m. to 4:30 p.m. Monday through Friday in the Injection and Mining Division Office, Trm. 817, LaSalle Building, 617 North Third Street, Baton Rouge, LA.

Information concerning the application may be obtained by calling (225) 342-5515 or by mail sent to the address stated below.

Interested parties may request a public hearing or submit written comments on the application. Such requests must be received in the Injection and Mining Division by 4:00 p.m., no later than 30 days from the date of this publication. Correspondence may be submitted by mail to:

Office of Conservation  
Injection and Mining  
Division  
P.O. Box 94275  
Baton Rouge, LA  
70804-9275  
Attn: Stephen H. Lee

76119 May 19 1t

**OFFICE OF CONSERVATION**

JUN 20 2022

**INJECTION & MINING DIVISION**