



STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION AND
ENERGY

FEE: \$1264

SERIAL NO. 255397

Approval Date 11/05/2025

API 17031275270000

Expiration Date 05/03/2026

16 PARISH DE SOTO
1408 FIELD BELLE BOWER
E1152 OPERATOR EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

HORIZONTAL

SHREVEPORT DISTRICT

WELL NAME: HA RA SUO;WELLS 22&15-13-16 HC

NO. 003-ALT

LOCATION OF WELL: SEC 022 T 13N R 16W M W

227' FSL & 2120' FEL SEC 22, T13N-R16W. PBHL: 330' FNL & 852' FEL SEC 15, T13N-R16W
(BETHANY LONGSTREET FIELD).

ZONE OR RESERVOIR OF PROPOSED COMPLETION: HAYNESVILLE

Measured Depth 27000

True Vertical Depth 14000

APPLICABLE DCE ORDERS:

29B-1

DUSTIN H. DAVIDSON

ANDREW ROUSSELL

SECRETARY

ISSUING AUTHORITY

WELL FILE

JEFF LANDRY
GOVERNOR



DUSTIN H. DAVIDSON
SECRETARY

DEPARTMENT OF CONSERVATION AND ENERGY

NOVEMBER 5, 2025

EXPAND OPERATING LLC
6100 N WESTERN AVENUE
OKLAHOMA CITY, OK 73118-

*** PERMIT TO DRILL ***

RE: DE SOTO PARISH
BELLE BOWER FIELD
HA RA SUO: WELLS 22&15-13-16 HC NO. 003-ALT
SER NO. 255397

DEAR SIR OR MADAM:

WE ARE ISSUING THE ATTACHED PERMIT TO DRILL FOR THE ABOVE REFERENCED WELL WITH THE UNDERSTANDING THAT YOU WILL COMPLY WITH THE FOLLOWING CONDITIONS:

FURNISH THE APPROPRIATE DISTRICT MANAGER WITH A DIRECTIONAL SURVEY AS PROOF THAT THE WELL HAS BEEN DRILLED IN COMPLIANCE WITH THE PROVISIONS OF LAC 43:XIX 135.C (STATEWIDE ORDER NO. 29-B)

NO ALLOWABLE WILL BE ASSIGNED SAID WELL UNLESS IN COMPLIANCE WITH THE ABOVE PROVISIONS.

PLEASE BE ADVISED THAT A PERMIT TO DRILL ISSUED BY THE DEPARTMENT OF CONSERVATION AND ENERGY DOES NOT RELIEVE THE OPERATOR OF THE OBLIGATION TO COMPLY WITH FEDERAL, LOCAL, OR OTHER STATE PERMITTING OR REGULATORY REQUIREMENTS.

YOURS TRULY,

DUSTIN H. DAVIDSON
SECRETARY

ANDREW ROUSSELL

AR:VAB
CC: PATRICK RALEY
SHREVEPORT, DISTRICT MANAGER
29B-1

RECEIVED

FORM MD-10-R-1 (Rev 08/2009)

OCT 20 2025

DENR Shreveport

STATE OF LOUISIANA
OFFICE OF CONSERVATION FORM MD-10-R-1
APPLICATION FOR PERMIT TO DRILL FOR MINERALS
TYPE ONLY - FILE IN DUPLICATE

(Print on Buff color paper)

OFFICE USE ONLY

OFFICE USE ONLY

Band Record, 29B-1, cc51, cc53, horizontal
SERIAL NUMBER: 255397

Company Data

DATE OF APPLICATION: October 17, 2025OPERATOR: EXPAND OPERATING LLCCODE NO. E1152ADDRESS: 6100 N WESTERN AVENUEOKLAHOMA CITY, OK 73118

Well Data

PARISH: DESOTOCODE NO. 16FIELD: BELLE BOWERCODE NO. 1408WELL NAME: HA RA SUO; WELLS 22&15-13-16 HCWell No.: 003-ALTLOCATION: Section: 22 Township: 13N Range: 16W

LOCATION DESCRIPTION: SL: 227' FSL & 2120' FEL OF SEC 22, T13N-16W
PBHL: 330' FNL & 852' FEL OF SEC 15, T13N-R16W (BETHANY LONGSTREET FIELD)

PRODUCT: ☐ OIL☒ GAS☐ OTHER

TYPE OF WELL

☒ New Well☐ Redrill☐ Dual☐ Lease☒ Unit☐ Repermit☐ Straight☐ Directional☒ Horizontal☐ SPC Plan
(on water)Proposed Total Depth: 27,000 feet - Measured Depth(and TVD, if applicable) 14,000 feet - True Vertical DepthApplication Fee: \$1,264.00 Check No.: INVOICE6 Month ☒1 Year ☐# 1315809PROPOSED ZONE OF COMPLETION: HAYNESVILLEAPPLICABLE CONSERVATION ORDERS: 29-B-1, 312-G-45 & 289-R-269 EFFECTIVE 11/12/24

SERIAL NUMBER OF REDRILL OR REPERMIT (if applicable): _____

CONTACT DATA

SEND PERMIT TO: SARA OBERLANDER

ADDRESS: _____

(if different than above) _____

FOR ADDITIONAL
INFORMATION, CONTACT: SARA OBERLANDERPhone No.: 318-716-7168

APPLICANT

SUBMITTED BY: SARA OBERLANDER, REGULATORY SPECIALIST

TYPED NAME AND TITLE

SIGNATURE: *Sara Oberlander*

APPLICANT'S REPRESENTATIVE SIGNATURE

OFFICE USE ONLY

OFFICE USE ONLY

FINANCIAL SECURITY REQUIRED PRIOR TO PERMITTING: ☐ Yes ☐ NoDISTRICT APPROVAL: *[Signature]*DATE: 10/29/2025ISSUED BY: *Randy H. MSH*DATE: 11/05/2025API No.: 17 031 27527Exp.: 5/3/2026

**STATE OF LOUISIANA
OFFICE OF ENFORCEMENT**

OCTOBER 30, 2025

TO: BATON ROUGE OFFICE
FROM: SHREVEPORT DISTRICT OFFICE
ATTN: PERMIT SECTION

Enclosed please find an application from EXPAND OPERATING LLC (E1152)

for permit to drill their HA RA SUO; WELLS 22&15-13-16 HC #3-ALT

BELLE BOWER Field, DESOTO Parish.

Also enclosed please find:

Check No. ONLINE Inv# 1315809 \$3,792.00 (3 WELLS)

X Certified well location plat

X Affidavit of compliance

Applicable Office of Conservation Order No. 312-G-45 & 289-R-269 EFF 11/12/24, 29B-1

Remarks & Recommendations:

Well approved as an alternate unit well at an exceptional location for HA RA SU96 in the Bethany-Longstreet Field under Order 289-R-269 & for HA RA SUO in the Belle Bower Field under Order 312-G-45, effective 11/12/2024. Order approves three (3) alternate cross-unit wells for HA RA SUUU in the Bethany-Longstreet Field & for HA RA SUO in the Belle Bower Field.

Similar location shown on order to that of the attached plat location. Not subject to Order U-HS. All perforation points further than 330' from unit boundaries.

HA RA SU96 in the Bethany-Longstreet Field formed under Order 289-R-100. HA RA SUO in the Belle Bower Field formed under Order 312-G-8.

Unit well for HA RA SU96 in the Bethany-Longstreet Field is SN-241621. Unit well for HA RA SUO in the Belle Bower Field is SN-240458. Operator is simultaneously submitting two (2) additional permits for HA RA SU96 in the Bethany-Longstreet Field under Order 289-R-269 & for HA RA SUO in the Belle Bower Field under Order 312-G-45. Operator has zero (0) remaining permits for HA RA SU96 in the Bethany-Longstreet Field under Order 289-R-269 & for HA RA SUO in the Belle Bower Field under Order 312-G-45.

Adheres to all rules and regulations in regards to boundary and other parameters as established in Orders 289-R & 312-G and subsequent revisions in series as well as 29-B-1 rules with allowance to approved exceptional well spacing based on Docket #24-299 thru 300.

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NOV - 4 2025

OFFICE OF CONSERVATION
PERMIT SECTION

Patrick Raley
District Engineer



FORM AFLN-1 - AFFIDAVIT OF COMPLIANCE - STATEWIDE ORDER 29-B

WELL NAME AND NUMBER HARA 600; Wells 22+15-13-10 HC 003-ALT STATE OF LOUISIANA
PARISH/COUNTY OF CADDO

BEFORE ME, the undersigned Notary Public, personally appeared SARA OBERLANDER

("affiant") who on their oath did say that they are the REGULATORY SPECIALIST (REPRESENTATIVE) of the EXPAND OPERATING LLC (COMPANY), authorized to do business in the state of Louisiana, and that said instrument was signed on behalf of said company, and affiant acknowledged that he executed the same as the free act and deed of said company.

RULE LAC 43:XIX.103.A.1 – Pre-Entry Notice

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☐ Surface owner was provided pre-entry notice on the _____ day of _____, 20_____. No construction operations of a drilling location for the aforementioned well shall commence less than thirty (30) days after such date.
- ☐ The above referenced well will be drilled from an existing pad on the property in question, there will be no expansion to the existing drilling pad or access road(s) and therefore no notice to the surface owner is required pursuant to R.S. 30:28(I)(1)(f).
- ☒ A contractual relationship presently exists between the operator and the surface owner(s) of the subject well. As such, no pre-entry notice is required pursuant to 30:28(I)(1)(c).
- ☐ No pre-entry notice required pursuant to R.S. 30:28(I)(1)(d). Please attach documentation of Commissioner's waiver.

RULE LAC 43:XIX.103.A.3 – Natural Gas Management

BY CHECKING THIS BOX, AFFIANT CERTIFIES:

- ☒ The operator will be able to connect the well to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the volume of natural gas the operator anticipates the well will produce.
- ☐ The operator will shut-in the well until a natural gas gathering system is available.
- ☐ The operator will evaluate if the well is a candidate for flaring based on economic hardship.
- ☐ The operator will comply with the attached gas capture plan (ensure attachment provided).
- ☐ The well is in a recognized stripper area and as such is exempt from LAC 43:XIX.103.A.3.

The information in this affidavit meets the requirements of Statewide Order 29-B, Rule LAC 43:XIX.103 and Louisiana R.S. 30:28(I), demonstrating compliance with such order. By signing this document, I certify that the foregoing is true and correct to the best of my knowledge.

Thus done and sworn this 8 day of October, 2025:

Signature: Sara Oberlander Print Name: SARA OBERLANDER

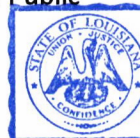
Title: REGULATORY SPECIALIST

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OFFICE OF CONSERVATION
PERMIT SECTION

Notary Public



JEFFREY HEAD
Notary Public
State of Louisiana
Caddo Parish
Notary ID # 180482
My Commission is for Life

Rev. 01/2024

Expand Operating, LLC-
HA RA SUO;WELLS 22&15-13-16HC
NO. 3 ALT WELL
Revised June 5, 2025 as follows:
SURFACE LOCATION being 227' from the South Line and 2120' from the East Line of Section 22, located in Section 22, T13N-R16W, DeSoto Parish, Louisiana.
PROPOSED BOTTOM HOLE LOCATION/PLPP to be 330' from the North Line and 852' from the East Line of Section 15, located in Section 15, T13N-R16W, DeSoto Parish, Louisiana.

Producing Lateral Length			
Section	Unit	Length	Percentage
22	HA RA SU96	4,714.06'	48.85%
15	HA RA SUO	4,936.98'	51.15%
Total:		9,651.04'	100.00%

HA RA SUO;WELLS 22&15-13-16HC
NO. 3 ALT WELL

X = 1,537,663' (NAD27 La N)
Y = 522,592'
LAT. 32.094599° N (NAD27)
LONG. 93.993003° W
X = 2,818,449' (NAD83/86 La N)
Y = 583,301'
LAT. 32.094763° N (NAD83/86)
LONG. 93.993191° W
ELEV. +274.78' (NAVD88)

PENETRATION POINT
X = 1,538,456' (NAD27 La N)
Y = 522,400'
LAT. 32.094102° N (NAD27)
LONG. 93.990432° W

PROPOSED UPPER PERFORATION POINT
X = 1,538,686' (NAD27 La N)
Y = 522,996'
LAT. 32.095749° N (NAD27)
LONG. 93.989716° W

INFLECTION POINT #1
X = 1,539,122' (NAD27 La N)
Y = 524,124'
LAT. 32.098866° N (NAD27)
LONG. 93.988359° W

INFLECTION POINT #2
X = 1,539,187' (NAD27 La N)
Y = 527,467'
LAT. 32.108056° N (NAD27)
LONG. 93.988296° W

INFLECTION POINT #3
X = 1,539,079' (NAD27 La N)
Y = 528,017'
LAT. 32.109564° N (NAD27)
LONG. 93.988669° W

PROPOSED BOTTOM HOLE LOCATION/PLPP
X = 1,539,139' (NAD27 La N)
Y = 532,555'
LAT. 32.122039° N (NAD27)
LONG. 93.988677° W
X = 2,819,925' (NAD83/86 La N)
Y = 593,264'
LAT. 32.122203° N (NAD83/86)
LONG. 93.988864° W

NOTE: This plat is not a property boundary survey and as such does not comply with the "Standards of Practice for Property Boundary Surveys" as adopted by the Louisiana Professional Engineering and Land Surveying Board; it is however in compliance with Statewide Order 29-B and 29-E. (Title 43 of the Louisiana Administrative Code)
There are no residential or commercial structures, not owned by the applicant, his lessor, or other predecessor in interest, within a 500' radius of the proposed location as of June 5, 2025.

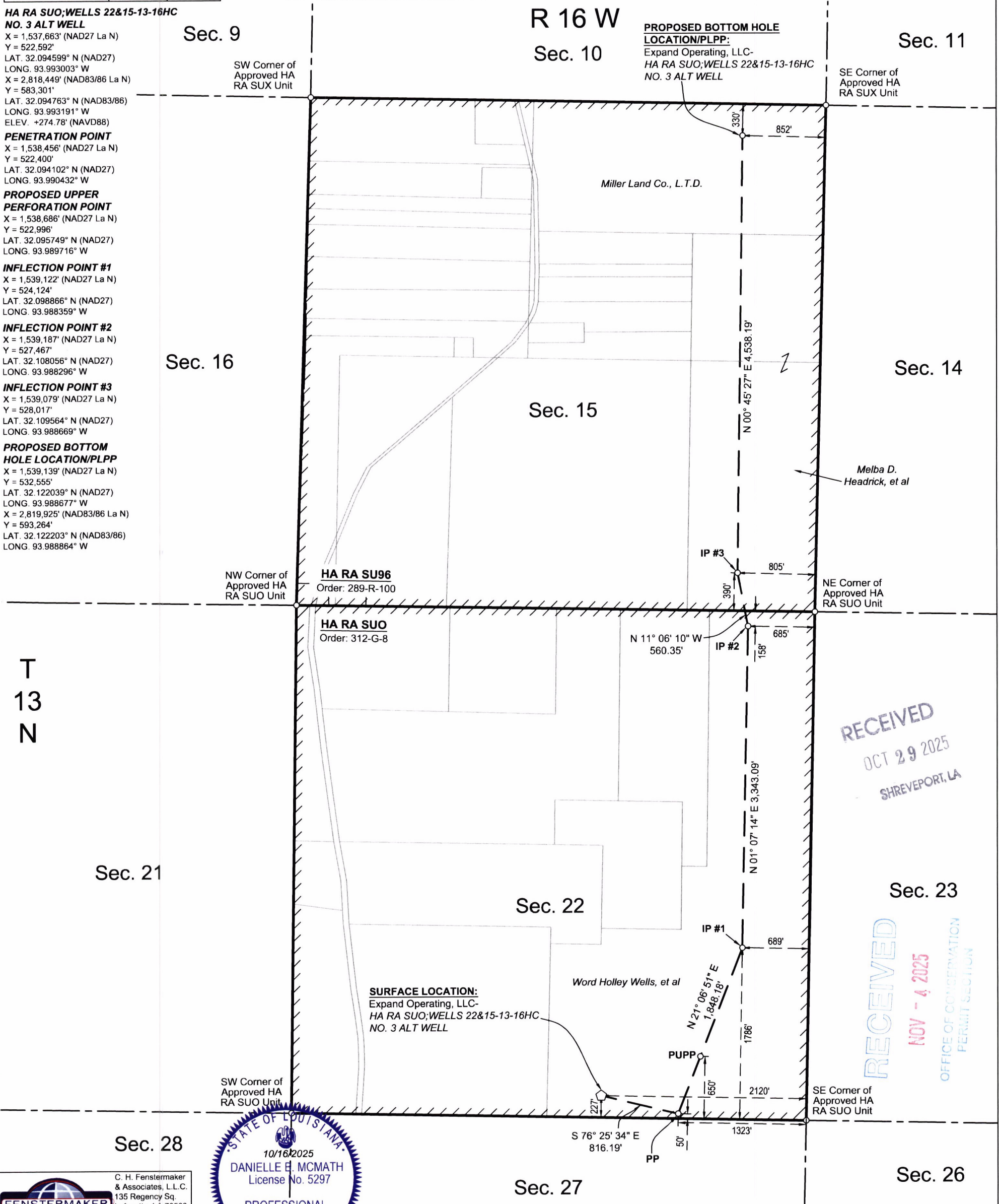
Note: This well is not subject to the provisions of Order U-HS.

PP = PENETRATION POINT
PUPP = PROPOSED UPPER PERFORATION POINT
IP = INFLECTION POINT
PLPP = PROPOSED LOWER PERFORATION POINT

Note: No Perforation Point to be located closer than 330' from any unit boundary other than the common unit boundary between HA RA SU96 & HA RA SUO.
PUPP to be no closer than 330' from the South line of Section 22.
PLPP to be no closer than 330' from the North line of Section 15.



SCALE: 1"= 1000'
0' 500' 1000'

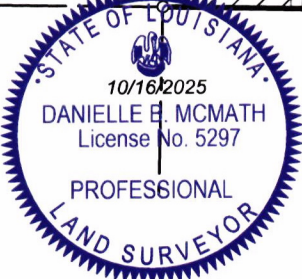


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OCT 29 2025
SHREVEPORT, LA

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NOV - 4 2025
OFFICE OF CONSERVATION
PERMIT SECTION

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
06/05/2024 ADF	Revised surface locations.
10/09/2024 ADF	Revised well name.
DRAWN BY: ADF	
DATE: 05/14/2025	
JOB#: 2258842.03	
SHEET 1 OF 1	



Danielle B. McMath
Professional Land Surveyor
Registration No. 5297

WELL LOCATION PLAT
HA RA SUO;WELLS 22&15-13-16HC
NO. 3 ALT WELL
EXPAND OPERATING, LLC
SITUATED IN
SECTION 22, T13N-R16W
DESOTO PARISH, LOUISIANA