

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

HOBBS OCD

MAR 26 2019

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

5. Lease Serial No. NM-058678

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Natural Gas Storage

2. Name of Operator

Enstor Grama Ridge Storage and Transportation, LLC

3a. Address 20329 State Hwy 249, Suite 500
Houston, TX 77070

3b. Phone No. (include area code)
(281) 374-3050

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2310' FNL and 2310' FWL of Section 4, Township 22S, Range 34E

7. If Unit of CA/Agreement, Name and/or No.

14-08-0001014277 (NMNM70953X)

8. Well Name and No.

GRM UNIT #4

9. API Well No.

30-025-21334

10. Field and Pool or Exploratory Area

Morrow Formation, Grama Ridge

11. Country or Parish, State

Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

GRM Unit #4 plugged and abandoned on 2-18-2019. Post plugging wellbore schematic is attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Nick Nicodemus

Director, Land & Regulatory Affairs

Title

Signature

Date

03/05/2019

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

X2 NMOC D

3-26-19

Enstor

Field: Grama Ridge Morrow

WELL 04

Lease/County: GR State/Lea County

DATE 2/18/2019

Location: F Unit, Section 4, Township 22S, Range 34E

API #: 30-025-21334

DRAWING STATUS

Actual P&A

DRAWING BY

CAL

Casing cut off below ground level and dry hole marker installed

Plug #7

Perforated 7-5/8" & 10-3/4" casings from 376' to 380' md
Circulated and balanced 150 sx (36 bbls), 14.8 ppg, Class C Cement
in 7-5/8" casing and 7-5/8" x 10-3/4" annulus
Fill inside 7-5/8" casing & annulus = 380' to 4' md (tagged)
Fill inside 10-3/4" x 16" annulus with 150 sx (35 bbls), Class C Cmt
Top of cement at 4' md.

Plug #6

Perforated 7-5/8" & 10-3/4" casings from 1,800' to 1,796' md
Balanced plug with 150 sx (36 bbls), 14.8 ppg, Class C Cement
Circulated 8 bbls (211') of cement into the 7-5/8" x 10-3/4" annulus
Squeezed 10 bbls of cement into the perforations
Fill inside 7-5/8" casing = 1,792' to 1,232' (tagged)

Plug #5

Perforated 7-5/8" & 10-3/4" casings from 3,964' to 3,960' md
Balanced plug with 100 sx (24 bbls), 14.8 ppg, Class C Cement
Squeezed 7 bbls of cement into the perforations
Fill inside 7-5/8" casing = 3,961' to 3,764' md (tagged)

Plug #4

Perforated 7-5/8" casing from 5,811' to 5,807' md
Unable to squeeze perforations, held 1200 psi
Balanced plug with 100 sx (19 bbls), 16.4 ppg, Class H Cement
Fill inside 7-5/8" casing = 5,865' to 5,433' md (tagged)

Plug #3

Perforated 7-5/8" casing from 8,376' to 8,380' md
Unable to squeeze perforations, held 700 psi
Balanced plug with 100 sx (19 bbls), 16.4 ppg, Class H Cement
Fill inside 7-5/8" casing = 8,380' to 7,989' md (tagged)

Plug #2

Perforated 7-5/8" casing from 8,400' to 8,398' md
Balanced plug with 150 sx (28 bbls), 16.4 ppg, Class H Cement
Squeezed 12 bbls of cement into perforations
Fill inside 7-5/8" casing = 8,391' to 8,402' md (tagged)

Plug #1

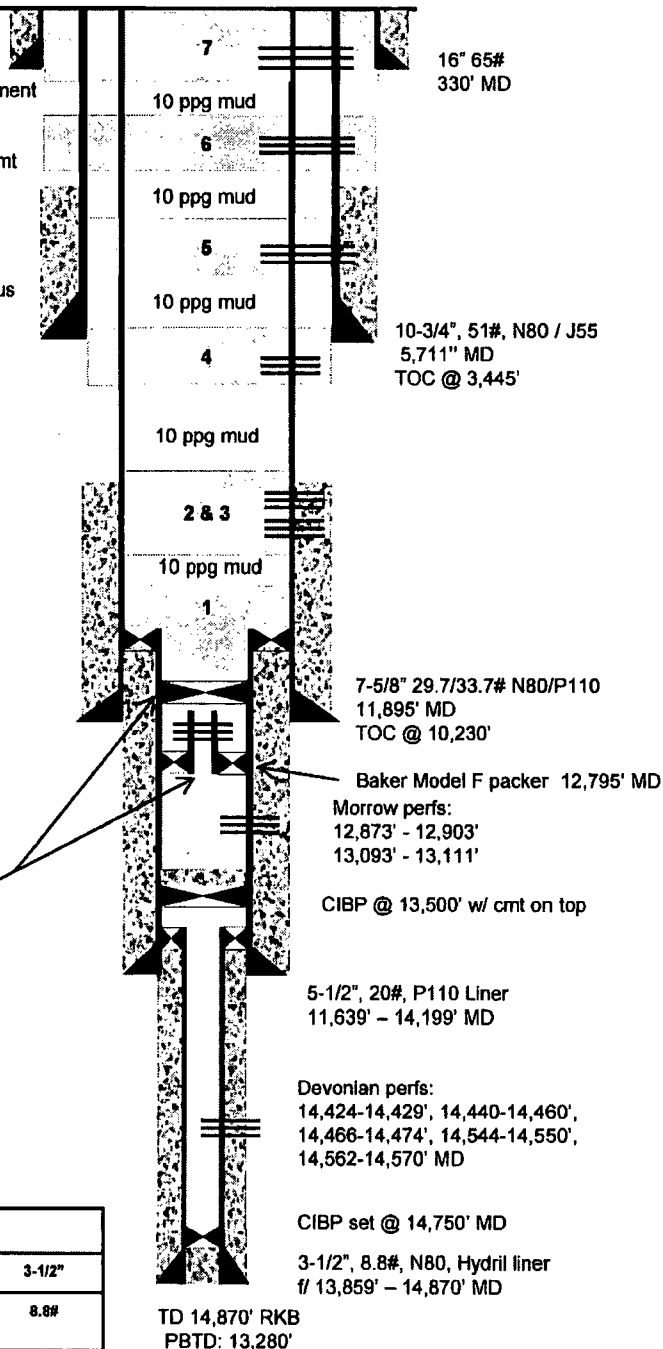
Balanced plug with 250 sx (48 bbls), 16.4 ppg, Class H Cement
Fill = 12,725' to 11,193' md (tagged)

5-1/2" cement retainer set at 12,725' MD

3-1/2" tubing cut off at 12,744' MD

3-1/2" tubing perforated at 12,775' to 12,773' MD

Unable to Squeeze Cement into the Morrow Perforations



Casing Information					
Size	16"	10-3/4"	7-5/8"	5-1/2"	3-1/2"
Weight	65"	51#	29.7/33.7#	20#	8.8#
Grade / Thread		N80/J55	N80 P110	P110	N80
Depth	330'	6,711'	11,895'	11,639-14,199'	13,559-14,870'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

HOBBS OCD

MAR 26 2019

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

5. Lease Serial No. NM-058678

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.

14-08-0001014277 (NMNM70953X)

8. Well Name and No. GRM UNIT #4

9. API Well No. 30-025-21334

10. Field and Pool or Exploratory Area
Morrow Formation, Grama Ridge

11. Country or Parish, State
Lea County, NM

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Natural Gas Storage

2. Name of Operator Enstor Grama Ridge Storage and Transportation, LLC

3a. Address 20329 State Hwy 249, Suite 500
Houston, TX 77070

3b. Phone No. (include area code)
(281) 374-3050

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2310' FNL and 2310' FVL of Section 4, Township 22S, Range 34E

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Hydraulic Fracturing

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☒ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Per phone conversation with Jim Amos (BLM) on 02-27-2019, Enstor Grama Ridge requests a one-year extension of BLM post-plugging land reclamation requirements following the GRM Unit #4 P&A which was completed on 2-18-2019. Granting a one-year extension until 2-18-2020 will allow Enstor Grama Ridge time for the evaluation and planning of drilling a new injection/withdrawal well on the existing GRM Unit #4 well pad, and will reduce impacts and additional disturbance to BLM lands.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Nick Nicodemus

Director, Land & Regulatory Affairs

Title

Signature

Date

03/05/2019

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

X 7 NMOC D 3-26-19



HOBBS COO
MAR 26 2019
RECEIVED

March 5, 2019

State of New Mexico
Oil Conservation Division
1625 N. French Dr.
Hobbs, NM 88240
Attn: Mr. George Bower

**RE: Enstor Grama Ridge Storage and Transportation, LLC
Subsequent Report of P&A and Notice of Intent of Reclamation Extension
Well: Grama Ridge Morrow Unit No. 4 (API# 30-025-21334)
Lea County, NM**

Dear Mr. Bower,

Enclosed you will find the Subsequent Report of P&A including wellbore schematic, as well as a Notice of Intent requesting a one-year extension of land reclamation requirements submitted to BLM for approval.

Should you have any questions or require additional information, please do not hesitate to contact me at (281) 374-3089 or by email nick.nicodemus@enstorinc.com.

Regards,

Nick Nicodemus
Director, Land and Regulatory Affairs

Enclosures
CC: Carl Chavez

Enstor, Inc.
20329 State Highway 249, Suite 500
Houston, TX 77070
Telephone (281) 374-3050
www.enstorinc.com