

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.  
30-025-21746 ✓  
5. Indicate Type of Lease  
STATE ☒ FEE ☐  
6. State Oil & Gas Lease No.  
E-7574

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other XX-Storage ☒ HOBBS OCD

2. Name of Operator  
Enstor Grama Ridge Storage & Transportation LLC ✓ JUL 07 2014

3. Address of Operator  
20329 State Highway 249, Suite 400 Huston, TX 77070

7. Lease Name or Unit Agreement Name

Gramma Ridge Morrow Unit ✓

8. Well Number 03 ✓

9. OGRID Number 234255 ✓

10. Pool Name or Wildcat  
Gramma Ridge Morrow Unit

4. Well Location RECEIVED  
Unit Letter J : 1980 feet from the South line and 1980 feet from the East line  
Section 33 Township 21S Range 34E NMPM Lea County, NM ✓

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
GL 3640'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water N/A  
Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Cmt sqz open Morrow perms from 13,029-13,252' with 82 sx Class H and displace TOC to 12,839'. Pressure test to 1,000 psi
2. Spot 100 sx Class H from 11,493-12,000' inside 4-1/2" liner & 7" csg, pressure test to 1,000 psi
3. Set CIBP @ 10,563', place 25 sx Class H on top, & pressure test to 1,000 psi
4. Spot 60 sx Class H cmt from 8,000-8,225' inside 7" csg & pressure test to 1,000 psi
5. Perforate 7" csg @ 5,806' and squeeze with 80 sx Class C and displace cmt to 5,606'. Pressure test to 500 psi. WOC & TAG
6. Spot 60 sx Class C cmt plug inside 7" csg from 2,400-2,600' and pressure test to 500 psi
7. Perforate 7" csg @ 475' and circulate 250 sx Class C inside 7"x9-5/8" annulus & 7" csg, place TOC @ 5' BGL and tag to verify.
8. Mechanical cut 7" csg @ 5' BGL, cut off well head and anchors @ 3' BGL, install well marker, and ID plate.

Perf @ 1800' SQZ 40 SX5 CLASS C CMT. WOC & TAG

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE [Signature] TITLE President - CEO DATE: 6/30/14

Type or print name: \_\_\_\_\_ E-mail address: \_\_\_\_\_ Telephone No. 281-374-3050

For State Use Only

APPROVED BY: [Signature] TITLE Dist. Supervisor DATE 7/10/2014

Conditions of Approval (if any): \_\_\_\_\_

JUL 10 2014

Enstor

Field: Grama Ridge Morrow

WELL 03

Lease/County: Grama Ridge Morrow Unit/Lea County DATE 06/09/2014

Location: J Unit, Section 33, Township 21S, Range 34E API #: 30-025-21746

## DRAWING STATUS

Current

## DRAWING BY

M. Morris— CMWS

RKB	16'
Annular Fluid	9.9 ppg brine
Top Xmas Tree Flange	2-9/16" 10M

13-3/8" 48# H40 8rd @ 375'  
CTOC @ surface, tested to 1,000 psi for 30 min on 03/06/1966

SITP: 2,448 psi  
SICP: 4,500 psi  
20% of 7" 29# MIY: 2,244 psi  
10% of 7" MIY: 1,122 psi  
MASP: 5,000 psi

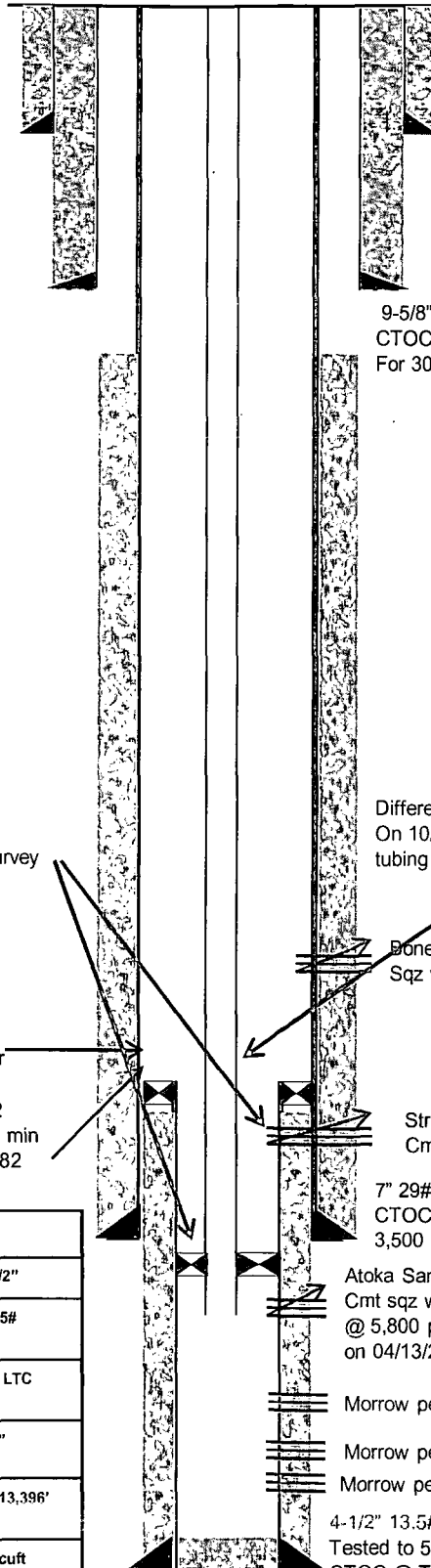
Completion Detail		
	Type	Depth
1	Baker Model DB Pkr	12,839'

TUBING	
OD	2-7/8"
PPF	6.5#
Grd	L80
Thrd	8rd ABC Mod
ID	2.441"
Depth	0-12,839'

Differential temperature & noise survey on 10/16/2013 indicate packer is Leaking and old squeeze perms @ 11,760 to 11,914' are leaking fluid into annulus

Schlumberger pipe analysis log on 08/26/1982 Indicates moderate inner casing damage @ 10,390-11,410'  
Cmt sqz on liner lap on 08/29/1982  
Pressure tested to 2,100 psi for 30 min  
Csg parted @ 11,378' on 08/18/1982

Casing Information				
Size	13-3/8"	9-5/8"	7"	4-1/2"
Weight	48"	36#/40#	29#	13.5#
Grade/Thrd	H40 8rd	J55	N80 8rd	P110 LTC
Hole Size	17-1/2"	12-1/2"	8-3/4"	6"
Depth	357'	5,706'	11,900'	11,593-13,396'
CMT	432 cuft	1,998 cuft	702 cuft	243 cuft
CTOC	Surface	Surface	7,229'	TOL



9-5/8" 36#/40# J55 8rd @ 5,706'  
CTOC @ surface, tested to 2,000 psi  
For 30 min on 03/19/1966

Differential temp & noise survey  
On 10/16/2013 indicate possible  
tubing leaks @ 10,835' and 10,870'

Bone Spring perms: 10,663-712' cmt  
Sqz w/ 250 sxs on 07/31/1982

Strawn Sand perms: 11,760-914',  
Cmt sqz w/ 250 sxs on 07/31/1982

7" 29# P110 LTC @ 11,900'  
CTOC @ 7,229', tested csg to  
3,500 psi for 30 min on 06/12/1998

Atoka Sand perms: 12,851-857' MD  
Cmt sqz w/ 250 sxs, final test pressure  
@ 5,800 psi., SBHP: 2,286 psi, BHT-184  
on 04/13/2005

Morrow perms: 13,029-077'

Morrow perms: 13,173-198' MD

Morrow perms: 13,245-252' MD

4-1/2" 13.5# P110 liner f/ 11,593-13,396'  
Tested to 5,000 psi for 30 min on 05/30/1966  
CTOC @ TOL

TD 13,403' RKB  
PBTD: 13,350'

M. Morris— Production Engr

4-1/2" 13.5# P110 liner f/ 11,593-13,396'  
Tested to 5,000 psi for 30 min on 05/30/1966  
CTOC @ TOL

Casing Information				
Size	13-3/8"	9-5/8"	7"	4-1/2"
Weight	48"	36#/40#	29#	13.5#
Grade/ Thrd	H40 8rd	J55	N80 8rd	P110 LTC
Hole Size	17-1/2"	12-1/2"	8-3/4"	6"
Depth	357'	5,706'	11,900'	11,593-13,396'
CMT	432 cuft	1,998 cuft	702 cuft	243 cuft
CTOC	Surface	Surface	7,229'	TOL