

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

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

HOBBS OCD  
 JAN 24 2018  
 RECEIVED

WELL API NO.	30-025-33314
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	320488
7. Lease Name or Unit Agreement Name	MORTON UNIT
8. Well Number	001
9. OGRID Number	372233
10. Pool name or Wildcat	UPPER ATOKA SANDS
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4029 GR	

**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

2. Name of Operator **MAMMOTH EXPLORATION, LLC.**

3. Address of Operator 200 N. LORAIN ST., STE 1100  
MIDLAND, TX 79701

4. Well Location  
 Unit Letter **B** : **770** feet from the **N** line and **2450** feet from the **E** line  
 Section **5** Township **15S** Range **35E** NMPM County **LEA**

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

<p><b>NOTICE OF INTENTION TO:</b></p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input type="checkbox"/></p> <p>CLOSED-LOOP SYSTEM <input type="checkbox"/></p> <p>OTHER: <b>Recomplete w/in the same pool</b> <input checked="" type="checkbox"/></p>	<p><b>SUBSEQUENT REPORT OF:</b></p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>
---	--

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see attached.

Spud Date: 03/29/1996

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE TITLE **REGULATORY MANAGER** DATE **1/24/2018**  
 Type or print name **GRIFFIN HAYS** E-mail address: **griffin@mammothexp.com** PHONE: **432-242-2834 ext. 108**

**For State Use Only**  
 APPROVED BY: TITLE **Petroleum Engineer** DATE **02/07/18**  
 Conditions of Approval (if any):

# Morton State #1

## High Plains Field

### OBJECTIVE:

#### Perforation & Frac of the Upper Atoka Sands

#### WELL DATA:

API No. 30-025-33314

Legal Location: 770' FNL & 2150' FEL, Sec. 5, Township 15 South, Range 35 East, NMPM, LEA Co., N.M.

Elevation: 4023' GL

Surface Casing: 13 3/8" 48# H-40 @ 460'. Cmt'd w/ 500 sks.

Intermediate Casing: 8 5/8" 32# J-55 @ 6125'. Cmt'd w/ 2075 sks.

Production Casing: 5 1/2" 20# N-80 & 17# L-80 @ 13953'. Cmt'd w/ 800 sks. TOC @ 9320'.

Previous perms: Chester: 13407'-13426' @ 2 spf. (40 holes). Morrow: 13207'-14'; 13228'-43' @ 2 spf (48 holes). Lower Atoka: 12916'-33' @ 2spf (36 holes).

Marker Joints: 11856' & 12849' (CBL/CCL/GR log 7/22/96)

PBTD: RBP @ 13017'

TD: 13953'

Volumetric Capacities:

- Tubing = .00579 bbl/ft
- Annular = .0141 bbl/ft
- Casing = .0244 bbl/ft

#### Well Configuration:

- (1) RBP @ 13512'
- (2) RBP @ 13017' set above Morrow perforations.
- (3) 408 jts – 2 7/8" L-80 w/ O/O tool & Halliburton Guiberson Uni VI 5 1/2" packer @ 12780'.

#### PROCEDURE:

1. MIRUPU. Set (1) 500 bbl frac tank for flush/flowback.
2. ND WH. NU BOP. Send tree for service.
3. Release Guiberson Uni 6 packer, POOH w/packer & 2-7/8" tbg. Stand back tbg & LD packer. Tally pipe while POOH.
4. MIRU WL, set CIBP @ ~ 12,730' and dump bail 20' of cement. POOH.
5. Test casing & plug to 3000#s.

6. PU & RIH w/ 3 1/8" gamma perf guns. Perforate **12,530' – 12,550'** @ 6 spf (126 holes) using premium (deepest penetrating) charges.
7. POOH & RDMO WL company.
8. MIRU Tubing Testers. PU & Hyrdo-test 2-7/8" tubing above slips while RIH w/ 5 1/2" AS1X 10K packer to setting depth @ ~12,480'.
9. Circulate packer fluid, ND BOP, and space out for tree installation. Set packer and NU Tree. Test Tree to 3000#s.
10. Swab test well recording FL's & cuts. Report results.
11. MIRU Acid Company, breakdown perfs @ **12,530' – 12,550'**, & acidize Upper Atoka at 3-5 bpm with 3000 gals of 15% NEFE double inhibited HCL w/ 140 ball sealers evenly spaced. Preferably 5 stages pumping 600 gals/stage dropping 28 ball sealers each stage (140 total). Hold 1500#s on backside during Acid job.
12. Flush to top perf, ~ **75 bbls**. Record ISIP, 5, 10, & 15 min SIP's.
13. Flow well back and RU swab tools. Commence swabbing recording FL's & cuts. Report results.
14. Test well and turn over to production. Wait on decision for frac stimulation.

**Note:** Swab tests & fluid cuts will determine whether the zone warrants frac stimulation. Further instructions to follow.

### Upper Atoka Frac

15. MIRUPU. Set (4) 500 bbl frac tanks and fill with 2% KCL water.
16. Install Tree Saver.
17. MIRU Frac Company and pump frac down 2 7/8" tubing as per attached frac design across 12,530' – 12,550' perf interval. Flush to top perf ~**75 bbls**. Record ISIP, 5, 10, & 15 min SIPs. Hold 2500#s on backside, if possible, during frac job.
  - **NOTE:** The internal yield pressure (burst pressure) of the tubing (2 7/8" 6.5# L-80) is **10570 psi**. Casing (5 1/2" 20# N-80) is **8990 psi**.
18. RDMO Frac Company. RD Tree Saver
19. RU Flowback Company & flow well back.
20. RU swab tools and commence swabbing. Record FL's & cuts.
21. Rig down and release rental equipment.
22. Test well and turn over to production.

**\*Estimated start date for this project is Feb. 15, 2018\***



Well Name: Morton Unit No. 1 Field: \_\_\_\_\_

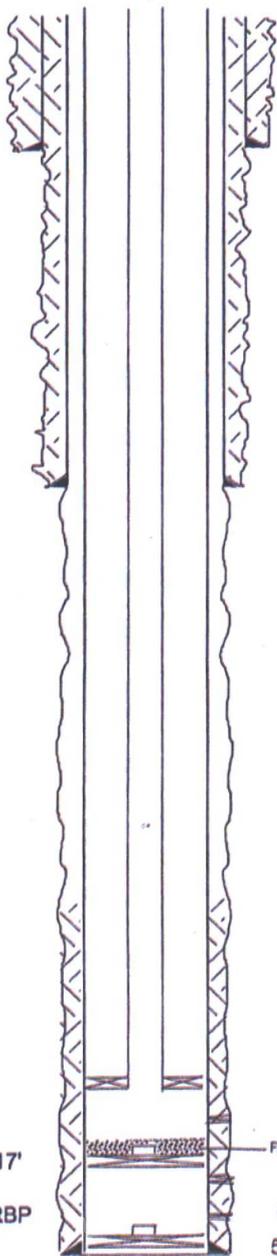
Location: 770' FNL & 2150' FEL Sec. 5-15S-35E Lea Co., NM

GL: 4029' Zero: \_\_\_\_\_ AGL: \_\_\_\_\_ KB: 4047'

Spud Date: 5/22/96 Completion Date: \_\_\_\_\_

Comments: \* Configuration has not changed since 2007.

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48# H40	460'
8 5/8" 32# MAV80 & J55	6125'
5 1/2" 17 & 20# N80, L80, J55	13593'



CURRENT CONFIGURATION

13 3/8" csg @ 460'. Cmtd w/ 500 sx. Cmt circ.

8 5/8" DV @ 3976'

8 5/8" csg @ 6125'. Cmtd w/ 2075 sx in 2 stages. 2nd stg circ.

Pkr @ 12830'

RBP @ 13017'

Abandoned RBP @ 13512'

L. Atoka perms 12916-33'

Morrow perms 13207-14' & 13228-43'

Chester perms 13407-26'

5 1/2" csg @ 13593'. Cmtd w/ 800 sx.

TD 13593'  
PBSD 13552 (float collar)

SKETCH NOT TO SCALE

DATE: 1/18/07 MORTON1