

6/23/2020

Revised July 18, 2013

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

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

WELL API NO. 30-045-23118
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name E.M. Hartman
8. Well Number 1
9. OGRID Number 006515
10. Pool name or Wildcat Otero Chacra
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5573' GL

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  
Dugan Production Corp.

3. Address of Operator  
PO Box 420, Farmington, NM 87499-0420

4. Well Location

Unit Letter I : 1670 feet from the South line and 1050 feet from the East line

Section 13 Township 29N Range 11W NMPM San Juan County

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 ☐  
 DOWNHOLE COMMINGLE ☐  
 CLOSED-LOOP SYSTEM ☐  
 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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Dugan Production plans to plug & abandon the well as per the following procedure:

- 1) Set CIBP @ 2902'. Chacra perforated @ 2952'-2964'. Load casing. Pressure test casing to 600 psi. Run CBL from 2902' to surface. All cement plug volumes are proposed on assuming TOC @ 2400' from 75% gauged hole volume calculation. Will make necessary changes to the plugs after the CBL, and consulting w/NMOCD.
- 2) Spot Plug I above CIBP inside 4-1/2", 11.6# casing from 2902' to 2802' w/12 sks (13.8 cu ft) Class G neat cement (1.15 cu ft/sk, 5 gal/sk mix water, 15.8#/gal). Chacra, Plug I: 2802'-2902'.
- 3) Spot Plug II inside/outside 4-1/2" casing from 1924' to 1580' w/166 sks (191 cu ft) Class G neat cement (1.15 cu ft/sk, 5 gal/sk mix water, 15.8#/gal). Fruitland-Pictured Cliffs, Plug II: 1580'-1924'.
- 4) Spot Plug III inside/outside 4-1/2" casing from 1290' to 1160' w/65 sks (75 cu ft) Class G neat cement. Ojo Alamo-Kirtland, Plug III: 1160'-1290'.
- 5) Perforate @ 368'. Establish circulation to surface. Circulate cement to surface behind 4-1/2" casing and fill up inside 4-1/2" casing from 368' to surface w/116 sks, 134 cu ft. Plug VI: surface, 0'-368'.
- 6) Cut wellhead. Tag TOC @ surface. Fill cement in case needed.
- 7) Install dry hole marker. Clean location.

Notify NMOCD 24hrs  
Prior to beginning  
operations

COA: Adjust plug #3 805'-490', inside/outside. OCD Kirtland pick @ 755', Ojo Alamo @ 540'.

Spud Date:

Rig Release Date:

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

SIGNATURE [Signature] TITLE Engineering Supervisor DATE 06/23/2020

Type or print name Aliph Reena E-mail address: aliph.reena@duganproduction.com PHONE: 505-325-1821

For State Use Only

APPROVED BY: [Signature] TITLE District III Geologist DATE 7/7/2020

Conditions of Approval (if any):

**Current Wellbore Schematic**

E M Hartman # 1

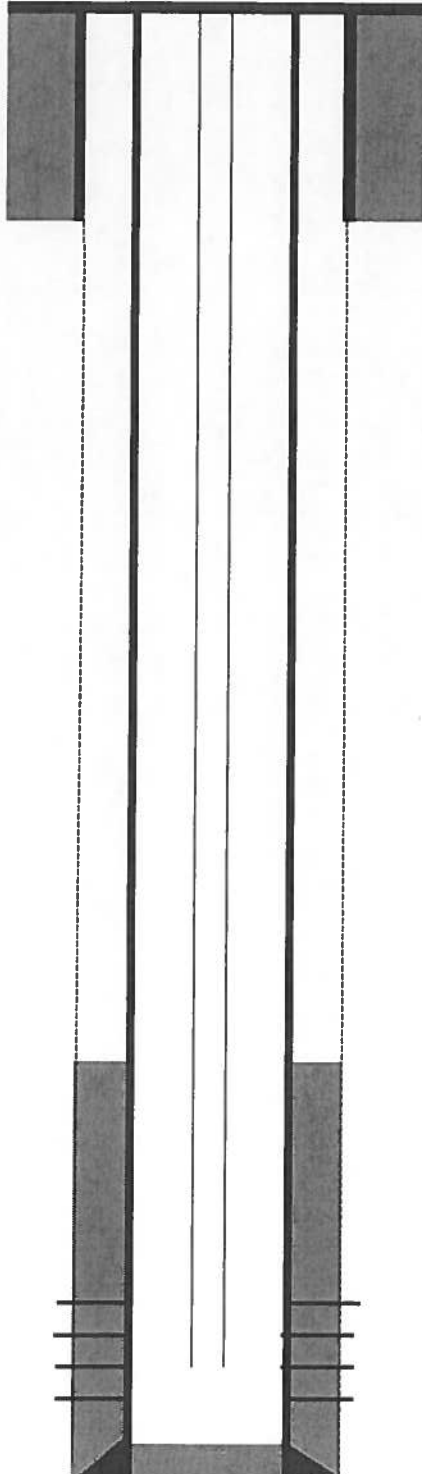
API; 30-045-23118

Sec 13 T29N R11W

1050' FEL & 1670' FSL, Chacra

Lat; 36.761039 Long: -108.27360

Lease No: 309100



8-5/8" J-55 24# casing @ 318'. Cemented with 275 sks. Hole size: 12-1/4

Cemented w/ 650 sks. TOC should be close to 2400' from 75% gauged hole volume calculation.

1 1/2" tubing set @ 2954'

Chacra Perforated @ 2952'-2964'

4 1/2" 11.6 # casing @ 3100'. PBTD @ 3053'

**E M Hartman # 1**  
**API; 30-045-23118**  
**Sec 13 T29N R11W**  
**1050' FEL & 1670' FSL, Chacra**  
**Lat; 36.761039 Long: -108.27360**  
**Lease No: 309100**

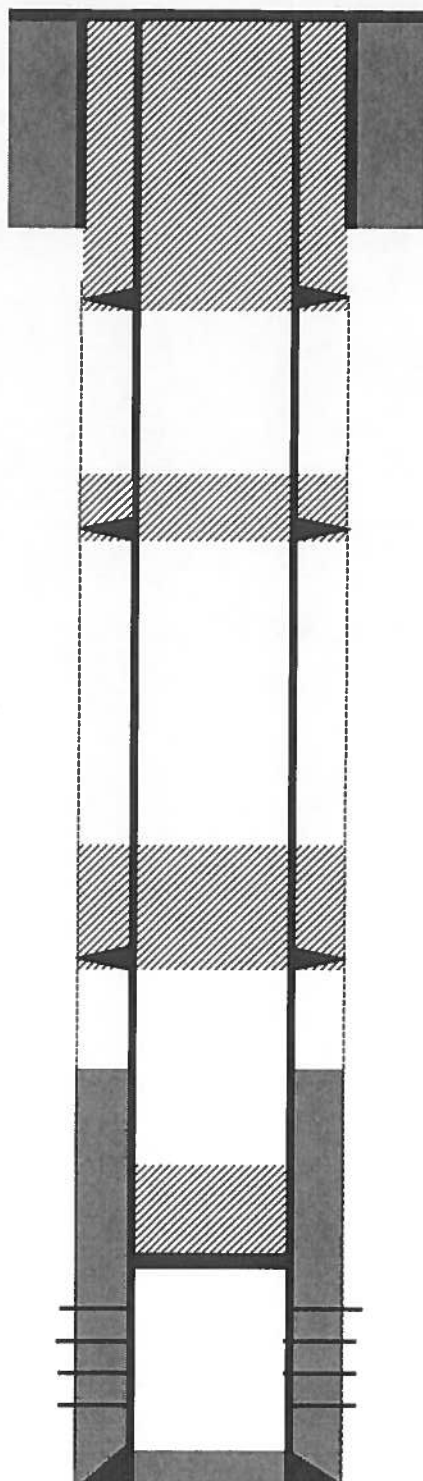
API; 30-045-23118

Sec 13 T29N R11W

1050' FEL & 1670' FSL, Chacra

Lat; 36.761039 Long: -108.27360

Lease No: 309100



Perforate @ 368'. Circulate cement to surface w/ 116 sks Class G cement @ 0-368'(134 cu.ft) [Plug VI: Surface-368]

Inside/Outside plug w/ 65 sks Class G (75 cu.ft) @  
1160'-1290' [Plug III: Ojo Alamo-Kirtland]

Cemented w/ 650 sks. TOC should be close to 2400' from 75% gauged hole volume calculation.

Inside/outside plug w/ 166 sks Class G @ 1580'-1924' (191 cu.ft)  
[Plug II: Pictured Cliffs-Fruitland]

Set CIBP @2902'. Inside plug I w/ 12 sks Class G @ 2802'-2902' (13.8 cu.ft)[ PlugI, Chacra].

### Chacra Perforated @ 2952'-2964'

4 1/2" 11.6 # casing @ 3100'. PBTD @ 3053'

# EM Hartman P&A Reclamation Plan

API# 30-045-23118

I-13-29N-11W

1670 FSL 1050 FEL

Dugan has made plans to plug and abandon the EM Hartman #1. As directed by OCD regulation Dugan will take the following steps to reclaim the surface:

1. Remove all surface equipment.
2. Clean the well pad of all trash.

The well is located on fee acreage. As such Dugan will coordinate with the land owner to ensure the surface is restored to the condition that the land owner wants.

If you have questions please contact Dugan personnel who will provide additional clarity.