

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

WELL API NO.
30-025-33967

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Hansen State (306601)

8. Well Number 007

9. OGRID Number
873

10. Pool name or Wildcat
Monument; Abo, Southeast (96764)

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
Apache Corporation

3. Address of Operator

303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705

4. Well Location

Unit Letter B : 330 feet from the North line and 1650 feet from the East line

Section 16 Township 20S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3341' GR

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.

Apache would like to clean out any fill then perforate and acidize the Abo per the attached procedure.

Spud Date: 06/30/1997

Rig Release Date: 07/18/1997

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

SIGNATURE [Signature] TITLE Regulatory Analyst II

DATE 05/12/2014

Type or print name Fatima Vasquez

E-mail address: Fatima.Vasquez@apachecorp.com

PHONE: (432) 818-1015

For State Use Only

APPROVED BY: [Signature] TITLE Dist. Supervisor DATE 5/14/2014

Conditions of Approval (if any):

MAY 14 2014

Hansen State #7

API # 30-025-33967

Sec 16, T20S, R37E

Elevation: 3570' KB, 3554' GL

TD: 7,600'

PBTD: 7,424'

Casing Record: 8-5/8" 24# J-55 @ 1,166' w/ 590 sxs
5-1/2" 15.5# & 17# K-55 @ 7,600' w/ 665 sxs

Perfs: Abo: 7034-52, 7125-34; 7174-79; 7201-44 w/ 2 jspf (150 holes)

Objective: Clean out any fill and acidize the Abo down tubing, RTP.

AFE: 11-14-1829

1. MIRU unit. Kill well as necessary. Unseat pump. POOH w/ rods and pump.
2. ND WH. NU BOP. Release TAC. POOH w/ tubing.
3. PU and TIH w/ bit, bit sub, casing scrapper, and drill collars on 2-7/8" J-55 production tubing to PBTD @ 7,424'. Clean out any fill if above perforations. POOH w/ WS.
4. MIRU WL. NU lubricator. PU and RIH with perforator and perforate the Abo from 7289-98; 7305-13; 7370-82; 7393-7402; 7411-17 w/ 2 jspf 120° phasing (88 holes). POOH with perf guns and rig down WL. **Correlate to Schlumberger Platform Express Compensated Neutron Three Detector Density/NGT log dated 7/16/1997.**
5. PU and RIH w/ SN and PKR. Set PKR above new perforations at \pm 7,260'. Monitor backside. *Open perforations above PKR.*
6. MIRU acid services. Acidize the Abo (7289-7417) down the tubing with 4,000 gallons 15% NEFE w/ additives dropping 160 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed **6,000 psi** surface treating pressure. Displace to bottom perf with 46 bbls of flush. Release PKR, TIH and knock balls off. TOOH and set PKR at 7,260'.
7. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
8. Kill well if necessary. Unset PKR and POOH w/ PKR and 2-7/8" tubing.
9. TIH w/ SN and RBP-PKR straddle assembly w/ ball catcher. Set RBP w/ ball catcher at \pm 7,270'. TOH and set PKR at 7,250 and test RBP to 1000 psi. Release PKR and TOOH and set PKR above perfs at \pm 6,980'. Test backside to 1000 psi.
10. MIRU acid services. Acidize down 2-7/8" J-55 tubing w/ 5,600 gals of 15% NEFE HCL w/ additives using 300 ball sealers to divert evenly spaced through the job as max rate but do not exceed **6,000 psi** surface treating pressure. Displace to bottom perf with 46 BBLS of flush. RDMO acidizing services.
11. Unseat PKR and TIH to knock balls off. TOOH and set PKR at \pm 6,980'.
12. RU swab equipment and recover load and swab test perfs for fluid entry and oil cut. Report results to Midland. RD swab equipment.
13. Kill well if necessary. TIH to RBP and ball catcher. Latch and release RBP. TOOH w/ PKR-RBP.
14. PU and RIH w/ production tbhg and rods w/ new pump as per the Monument office specification
15. RDMOPU. Return well to production and place into test for 10 days.

GL=3554'
KB=3570'
Spud: 6/30/97

Apache Corporation – Hansen State #7

Wellbore Diagram – Current Status

Date : 4/18/2014

API: 30-025-33967

Surface Location

R. Taylor



330' FNL & 1650' FEL, Unit B
Sec 16, T20S, R37E, Lea County, NM

Surface Casing

8-5/8" 24# @ 1166' w/ 590 sx to surface

Hole Size
=12 1/4"

DV tool @ 3394' cmt w/ 1120 sxs

9/06: Casing leak @ 3932-63.
12/06: SQZ w/ 50 sxs cmt

TAC @6781'

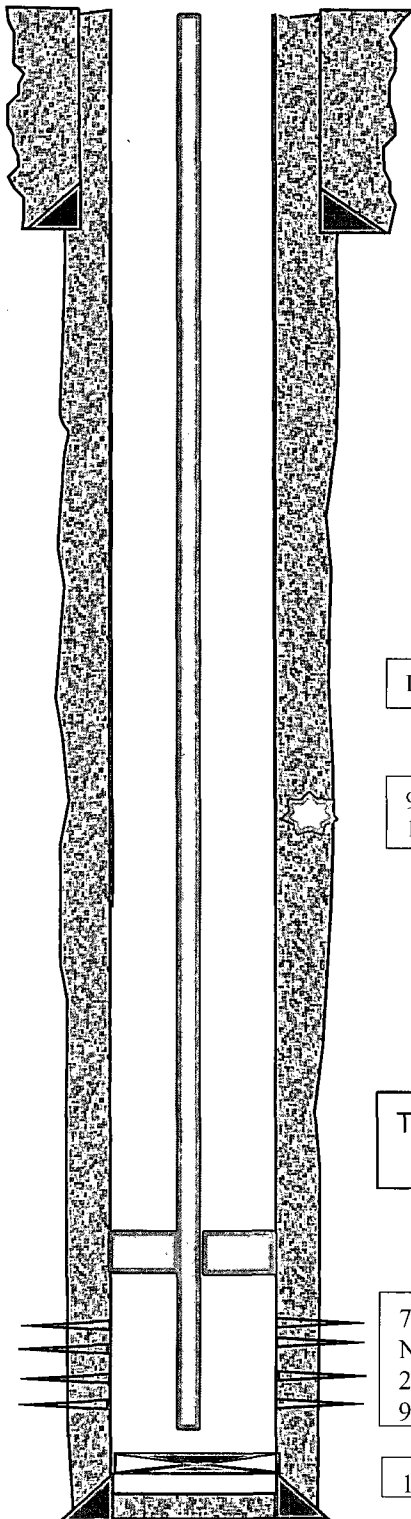
7/97: Perf Abo @ 7034-52; 7125-34; 7174-79; 7201-44 w/ 2 jspf (150 holes).
Natural completion.
2/06: Pump 500 gal 15% NEFE dwn tbg; 500 gal 15% NEFE dwn csg
9/06: Pump 500 gal 15% NEFE dwn tbg . Pump 840 gal 15% into perfs

1/07: CIBP pushed to 7424

Production Casing

5-1/2" 17# & 15.5# K-55 @ 7600' w/ 665 sxs

Hole Size
=7-7/8"



PBTD = 7424'
TD = 7600'

GL=3554'
KB=3570'
Spud: 6/30/97

Apache Corporation – Hansen State #7

Wellbore Diagram – Proposed Status

Date : 5/12/2014

API: 30-025-33967



Surface Location

R. Taylor

330' FNL & 1650' FEL, Unit B
Sec 16, T20S, R37E, Lea County, NM

Surface Casing

8-5/8" 24# @ 1166' w/ 590 sx to surface

DV tool @ 3394' cmt w/ 1120 sxs

9/06: Casing leak @ 3932-63.
12/06: SQZ w/ 50 sxs cmt

TAC @ TBD'

7/97: Perf Abo @ 7034-52; 7125-34; 7174-79; 7201-44 w/ 2 jspf (150 holes).
Natural completion.

2/06: Pump 500 gal 15% NEFE dwn tbg; 500 gal 15% NEFE dwn csg
9/06: Pump 500 gal 15% NEFE dwn tbg . Pump 840 gal 15% into perfs
TBD: Acidize w/ 5600 gal 15% NEFE

TBD: Perf Abo @ 7289-98; 7305-13; 7370-82; 7393-7402; 7411-17 w/ 2 jspf (88 holes). Acidized w/ 4000 gal 15% acid

1/07: CIBP pushed to 7424

Production Casing

5-1/2" 17# & 15.5# K-55 @ 7600' w/ 665 sxs

Hole Size
=12 1/4"

Hole Size
=7-7/8"

PBTD = 7424'
TD = 7600'