

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 August 1, 2011

HOBBS OGD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
OCT 10 2013

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.)		WELL API NO. 30-025-29546
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON MIDCONTINENT, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name LOVINGTON DEEP STATE
4. Well Location Unit Letter: A 823 feet from the NORTH line and 581 feet from the EAST line Section 1 Township 17S Range 35E NMPM County LEA		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 241333
		10. Pool name or Wildcat LOVINGTON

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: INTENT TO FRAC

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.

CHEVRON MIDCONTINENT, L.P. INTENDS TO FRAC THE SUBJECT WELL.
PLEASE FIND ATTACHED, THE INTENDED PROCEDURE AND WELLBORE DIAGRAM.

DURING THIS PROCEDURE WE PLAN TO USE THE CLOSED LOOP SYSTEM WITH A STEEL TANK AND HAUL TO THE
REQUIRED DISPOSAL, PER THE OCD RULE 19.15.17.

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

TITLE: REGULATORY SPECIALIST DATE: 10/08/2013

Type or print name: DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

TITLE: DIST. MGR

DATE: 10-15-2013

Conditions of Approval (if any):

OCT 15 2013

Well: Lovington Deep State No. 1
Field: Lovington
API No.: 30-025-29546
Lea County, New Mexico

Description of work: Frac the SA

Pre-Work:

1. Check Wellhead connections for pressure ratings and condition. Change out if necessary.
2. Utilize the rig move check list.
3. Check anchors and verify that pull test has been completed in the last 24 months.
4. Ensure location of & distance to power lines is in accordance with MCA SWP. Complete and electrical variance and electrical variance RUMS if necessary.
5. Ensure that location is of adequate build and construction.
6. Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.
7. When NU anything over and open wellhead (EPA, etc.) ensure the hole is covered to avoid dropping anything downhole
8. For wells to be worked on or drilled in an H2S field/area, include the anticipated maximum amount of H2S that an individual could be exposed to along with the ROE calculations for 100 ppm and 500 ppm (attached).
9. If the possibility of trapped pressure exists, check for possible obstruction by:
 - Pumping through the fish/tubular – this is not guaranteed with an old fish as the possibility of a hole above the obstruction could yield inconclusive results
 - Dummy run – make a dummy run through the fish/tubular with sandline, slickline, eline or rods to verify no obstruction. Prior to making any dummy run contact RE and discuss.

If unable to verify that there is no obstruction above the connection to be broken, or if there is an obstruction:

- Hot Tap at the connection to check for pressure and bleed off
- Observe and watch for signs / indicators of pressure as connection is being broken. Use mud bucket (with seals removed) and clear all non-essential personnel from the floor.

Procedure:

1. MIRU PU. Check wellhead pressure, and kill well as necessary.
2. ND wellhead. NU 5,000 psi BOP with 2-3/8" pipe rams over blinds with hydrill on top. Unset TAC. RIH with 1 joint of tubing and 9-5/8" packer. Set packer. Test BOP to 250 psi low / 500 psi high.
3. POOH with packer & lay down packer.
4. RIH with On-Off tool with shuck on 2-3/8" workstring to 510', latch onto Weatherford 9.625" AS-1 packer, release packer. POOH and laydown packer.
5. RIH with 2-3/8" workstring with retrieving tool to 4,765', latch onto Weatherford 9.625" "TS" RBP, release RBP. POOH and laydown RBP and tubing.
6. Change out pipe rams from 2-3/8" to 3-1/2".

Note: Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change.

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7. Rig up hydrotesters, pick up and run in hole with 9 5/8" treating packer on 1 joint 3 1/2" tubing. Set packer at +/- 30'. Load and test BOP to 250 psi low, 500 psi high. Release packer.
8. Continue hydrotesting in the hole to 8,000 psi below slips with 3 1/2" workstring.
9. Set packer at +/- 4,770'. Load and test the 3 1/2" X 9 5/8" casing annulus to 500 psi.
10. Nipple down BOP equipment.
11. Nipple up and land tubing with 3 1/2" 10,000 psi frac valve assembly.
12. Load and test the 3 1/2" X 9 5/8" casing annulus to 500 psi.
13. Rig down and move off pulling unit & equipment.
14. Move in, spot and load frac tanks as per Baker's recommendations.
15. Move in and rig up Baker frac equipment. Install pop off valve on 3 1/2" X 9 5/8" annulus. Set valve to 400 psi. Pressure annulus to 200 psi and monitor throughout frac job.
16. Frac well as per Baker design. (7,800 psi maximum treating pressure.)
17. Rig down and move off Baker frac equipment. Leave well shut in 24 hours for gel to break.
18. Open well, check pressures. Rig up flow back equipment. Flow well until dead.
19. Move in and rig up pulling unit and equipment.
20. Kill well as required.
21. ND 3 1/2" frac head. 5,000 psi BOP with 3 1/2" pipe rams over blind rams.
22. Test BOP equipment against treating packer and 3 1/2" workstring to 250 psi low, 500 psi high.
23. Release packer. Pull out of hole laying down 3 1/2" workstring and packer.
24. Change out pipe rams from 3 1/2" to 2 3/8". Nipple up annular BOP
Note: Ensure that elevators and other lifting equipment are inspected. Caliper all lifting equipment at the beginning of each day or when sizes change
25. PU and RIH with 9 5/8" tension packer on 1 joint 2 3/8" tubing. Set packer at +/- 30'. Load and test BOP equipment to 250 psi low, 500 psi high. Release and pull out of hole with test packer.
26. PU and RIH with 8-3/4" mill tooth bit and 6 ea. 4 1/4" OD drill collars hydrotesting 2 3/8" tubing.
27. CO to PBTD of 5,192'.
28. Pull out of hole with bit and 2 3/8" tubing laying down excess tubing.
29. Pick up and run in hole with 2-3/8" production tubing with .012" Sand Screen and Bull Plug on the bottom. Set SN @ 5,025'. Set TAC @ 4,803'.
30. Nipple down BOP equipment.
31. Nipple up wellhead, install wellhead connections.

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32. RIH with pump and rods.

.875" Weatherford HD Rods – 1,875'
.75" Weatherford HD Rods – 2, 750'
1. 5" API D Rods – 400'
2" Insert Pump

33. Rig down and move off pulling unit & equipment.

34. Place well on production. Obtain stabilized well test.

RRW 7/9/2013

Contacts:

Remedial Engineer – Larry Birkelbach	(432-687-7650 / Cell: 432-208-4772)
Remedial Engineer – Jay Stockton	(432-687-7791 / Cell: 432-967-5644)
Production Engineer – Ryan Warmke	(432-687-7452 / Cell: 281-460-9143)
ALCR – Danny Acosta	(Cell: 575-631-9033)
D&C Ops Manager – Boyd Schaneman	(432-687-7402 / Cell: 432-238-3667)
D&C Supt. – Heath Lynch	(432-687-7857 / Cell: 281-685-6188)
OS – Nick Moschetti	(Cell: 432-631-0646)
Baker Hughes Rep (Frac) – Kellyn Gavin	(432-687-7467 / Cell: 432-202-1336)

Lovington Deep State No. 1 Wellbore Diagram

Created: 09/20/11 By: PTB
 Updated: By:
 Lease: Lovington Deep State
 Field:
 Surf. Loc.: 823' FNL & 581' FEL
 Bot. Loc.:
 County: Lea St.: NM
 Status: Producer

Well #: 1 St. Lse:
 API: 30-025-29546
 Unit Ltr.: A Section: 1
 TSHP/Rng: 17S / 35E
 Unit Ltr.: Section:
 TSHP/Rng:
 Directions: Buckeye, NM
 Chevno: IE9321

Surface Casing

Size: 13-3/8"
 Wt., Grd.: 48#, H-40
 Depth: 464'
 Sxs Cmt: 550
 Circulate: Yes; 25 sx
 TOC: Surface
 Hole Size: 17-1/2"

KB: 3952'
 DF:
 GL: 3932'
 Ini. Spud: 01/30/86
 Ini. Comp.: 07/01/86

Intermediate Casing

Size: 9-5/8"
 Wt., Grd.: 40#, L-80 & K-55
 Depth: 5695'
 Sxs Cmt: 3,300
 Circulate: Yes; 50 sx
 TOC: Surface
 Hole Size: 12-1/4"

Plug @ 4,765'
 Parts 4,867 - 5,016'
 2-3/8" Production Tubing @ 5,066'

DV Tool @ 10,992'

Cement plug from 5,192' - 5,345'
 Liner top @ 5241'

Production Casing

Size: 5-1/2"
 Wt., Grd.: 17#, S-95&L-80
 Depth: 12,825'
 Sxs Cmt: 550 sx
 TOC: 6885' - CBL
 Hole Size: 8-3/4"

Will need to DO current plug and set new plug from 5,750 - 5,150' when it is decided to P&A this well

Cement plug from 7,000' - 7,500'

Perforations

Producing: 4,867 - 5,016'

Detailed Perfs:

4,867 - 77', 4,916 - 26', 4,950 - 58'
 5,009 - 16'

Squeezed:

10,128 - 64', 10,196 - 220', 10,221 - 44'
 10,245 - 60', 10,261 - 72'
 10,273 - 305', 10,348 - 68'
 10,694 - 704', 10,720 - 50', 10,761 - 65'
 12,589 - 601', 12,609 - 13', 12,613 - 19'
 12,623 - 25', 12,629 - 31', 12,632 - 41', 12,645 - 49'
 12,657', 12,658 - 67', 12,674 - 79', 12,685 - 91'
 12,742 - 48', 12,757 - 61', 12,770 - 80'
 12,784 - 802'

CIBP @ 10,100' capped w/ 35' cmt.
 Wolfcamp Perfs: 10,128' - 10,388' (added 11/93)
 CIBP @ 10,650' capped w/ 35' cmt.
 Penn Perfs: 10,694' - 10,765' (added 3/89)
 CIBP @ 11,040' with 100' cement across DV tool from 10,940' - 11,040'
 Cement Retainer @ 12,510' capped w/ 25' cmt
 DVN Perfs: 12,589' - 12,641'
 CIBP @ 12,648'
 DVN Perfs: 12,657'
 CIBP @ 12,725'
 DVN Perfs: 12,742' - 12,761' (sqz'd)
 Cement Retainer @ 12,767'
 DVN Perfs: 12,770' - 12,802' (sqz'd)

