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

HOBBS OCD
RECEIVED
OCT 25 2016

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-07370	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. 19552	
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.)	7. Lease Name or Unit Agreement Name: North Hobbs Unit (G/SA)
1. Type of Well: Oil Well ☐ Gas Well ☐ Other Injector	8. Well Number 411
2. Name of Operator: Occidental Permian Ltd	9. OGRID Number 157984
3. Address of Operator: P.O. Box 4294, Houston, TX 77210	10. Pool name or Wildcat: Hobbs (G/SA)
4. Well Location: Unit Letter A : 1300 feet from the North line and 1300 feet from the East line; Section 19 Township 18S Range 38 E NMPM County Lea	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3679' DF	

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☒	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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.

06/01/16 – 06/03/16

- MIRU x NDWH x NUBOP
- Released inj pkr x POOH 120 jts
- RIH 3 7/8" bit x tag @ 4339'
- RIH 4 ½" ktc pkr @ 4225' x 4 ½" arrow pkr @ 3929'
- Circulate well w/ 65 bbls of 10 lb pkr fluid
- RIH on/off tool x 120 jts 2 3/8" tbg
- RD x NDBOP x NUWH

08/03/16 – 08/09/16

- MIRU x NDWH x NUBOP
- Unset both pkrs x POOH 120 jts
- RIH 3 7/8" bit x tag @ 4339'
- POOH bit x RUWL x ran logs from 3500' to TD
- RIH 4 ½" inj pkr @ 3920' x circulated w/ 70 bbls or 10lb pkr fluid
- Ran MIT and passed
- RIH on/off tool x 120 jts 2 3/8" tbg
- RD x NDBOP x NUWH
- Chart attached

Spud Date: 06/01/16 Rig Release Date: 08/09/16

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

SIGNATURE April Hood TITLE Regulatory Specialist DATE 10/18/2016

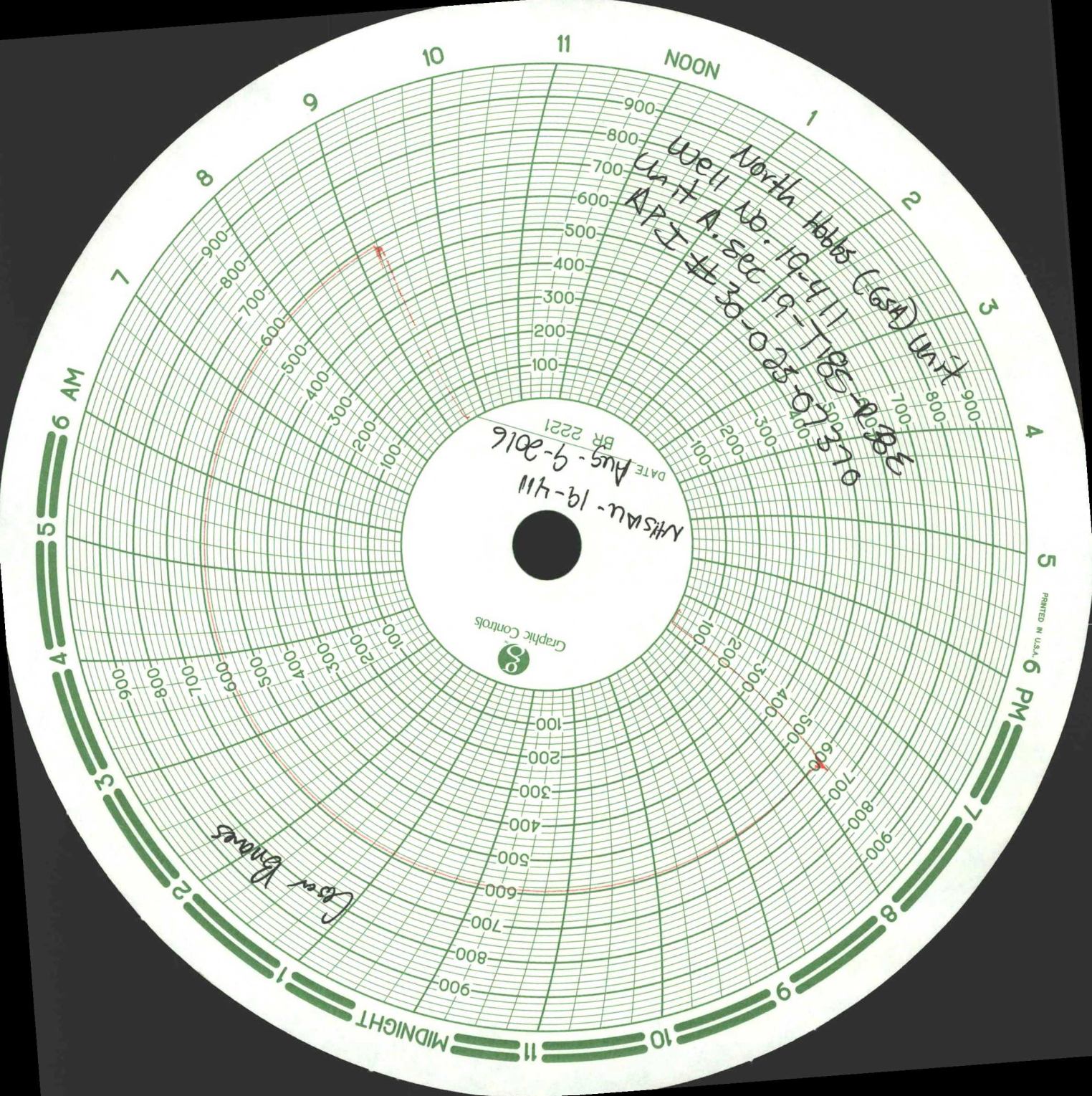
Type or print name April Hood E-mail address: April_Hood@Oxy.com PHONE: 713-366-5771

For State Use Only

APPROVED BY: Mary S Brown TITLE Dist Supervisor DATE 10/25/2016

Conditions of Approval (if any):

Chart - RBDMS


North Hobbs (GSA) Unit
Well No. 19-411
Unit A. Sec 19-T18S-R38E
API # 30-025-07370
NHSAU-19-411
Aug-9-2016
DATE
BR 2221
Graphic Controls
PRINTED IN U.S.A.
NOON
MIDNIGHT
AM
PM
Cesar Briones

NHU 19-411 Current Wellbore Diagram (as of October-2016)

*Note: Diagram not to scale

API (10): 30-025-07370

Well History:

1933 - Well completed as open hole producer.

1961-1971 - 4-1/2" liner installed in 1961 and perf'd 4235'-48'. More perfs added 1965, 1970, and 1971 for total interval 3971'-4306'.

1982 – CTI, sqzd perfs 3971'-4132', repair leak in 7" above TOL. Leak sqzd in liner 4191'-95'.

Feb 1986 – sqzd all perfs and re-perf'd liner 4207'-4310'.

Sep 1986 - multiple sqz and re-perf resulting in the following perf scheme:

Squeezed (possibly leaking): 3971'-4132' (Grayburg)

Squeezed (leaking): 4207', 4210', 4213', 4215', 4217,', 4219', 4236', 4238', 4240, 4247' (2 SPF) – interval failed pressure test in 1986, not re-squeezed.

Open: 4256'-4310' (2 SPF reshot 3 times), 4302'-10'

1999 – TA

2005 – Failed MIT; csg leak in 7" from 1041'-1205', installed and cmntd 4-1/2" 10# tie-back liner from 3870' to surface.

2014 – RTI, add new perfs 4296'-4322'; tested interval 4150'-4230' and failed (**interval includes sqzd perfs 4207'-4219' that failed in 1986 and sqz holes 4191'-95' from 1982**). Interval left as-is (no sqz).

2016 – unable to set isolation packers; CIL shows degraded liner, had liner peices during returns and scarring/missing slips on RBP and packer.

Equipment in well:

Installed in Aug 2016

- 2-3/8" 4.7# T&C EUE duoline tubing
- Arrowset 1-X DBL GRP 4-1/2"x2-3/8" 9.5#-13.5# Inj Packer @ 3920" (1.5" F- Profile Nipple).

Perforation Summary:

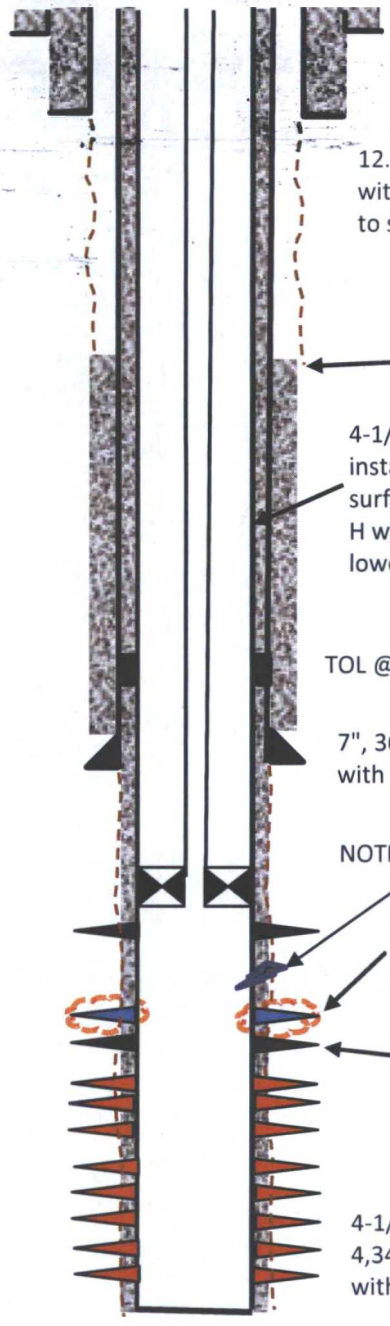
Squeezed: 3971'-4132' in Grayburg (1 SPF) – failed test in 1986 but passed in 2014.

Squeezed: 4207', 4210', 4213', 4215, 4217', 4219' in 2CL (2 SPF) – interval failed pressure tests in 1986 and 2014.

Squeezed: 4236', 4238', 4240', 4247' in Sandy Break (2 SPF)

Open: 4256'-65', 4270'-80', 4282'-90', 4300' (2 SPF but reshot 3 times), 4296'-4306' (4 SPF), 4310' (2 SPF), and 4313'-22' (4 SPF)

Total Open Interval = 4256'-4322'



Elevation: GL: 3,650'

12.5", 50# csg @ 226'. Cemented with 200 sxs, hole size 18.25", circ to surf

TOC: 2524' in 8.75" hole

4-1/2", 10.5# ULT FJ tie-back liner installed in 2005 from 3870' to surface. Cemented with 250 Class H w/ circ at surface. NOTE: TOL of lower liner @ 3865'.

TOL @ 3865'

7", 36# csg @ 3,966'. Cemented with 700 sxs, 8.75" hole.

NOTE: 4191'-95' squeezed in 1982

Leaking formerly squeezed perfs 4207'-19' from failed tests in 1986 and 2014

Squeezed perfs 4236'-47' (Sandy Break)

4-1/2", 10# liner in open hole to 4,342'. TOL @ 3865'. Cemented with 100 sxs Incor cmnt.

TD – 4,342'

PBTD ~ 4,342' (BP from 1971 at bottom of well)