

Submit a 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

WELL API NO. 30-025-07555
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 19520
7. Lease Name or Unit Agreement Name North Hobbs G/SA Unit
8. Well Number 311
9. OGRID Number 157984
10. Pool name or Wildcat HOBBS; GRAYBURG-SAN ANDRES
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3645' (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
Occidental Permian LTD

3. Address of Operator
P.O. Box 4294 Houston, TX 77210-4294

4. Well Location
Unit Letter **B** : **330** feet from the **North** line and **2310** feet from the **East** line
Section **33** Township **18S** Range **38E** NMPM County **LEA**

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: ☐ Liner ☒

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.

Objective: Run conformance liner to shutoff gas entry zone.

See detailed planned procedure attached.

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 Roni Mathew TITLE Regulatory Advisor DATE 07/12/2023

Type or print name Roni Mathew E-mail address: roni_mathew@oxy.com PHONE: (713) 215-7827

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 8/18/23

Conditions of Approval (if any):

Well: NHSAU 311-33

API: 30-025-07555

Objective: Run conformance liner to shutoff gas entry zone.

Procedure:

1. MIRU PU
2. POOH w/ packer x RIH w/ RBP
3. RU WL x Run CIL x RD WL
4. RIH w/ CICR on 2-7/8" workstring & set at ~4040'
5. Cement squeeze openhole. Sting out retainer & POOH w/ workstring.
6. PU 4-3/4" bit + drill collars
7. DO CICR & cmt to TD @ 4221'. Pressure test squeeze.
8. RIH w/ 4.0" 9.5# FJ liner. Land liner from 3500'-4221'. Cement liner in place w/ ~200 sx. POOH w/ tbq.
9. RIH w/ 4-3/4" bit & DO to top of liner. Pressure test liner top. POOH w/ 4-3/4" bit. RIH w/ 3-1/8" bit & CO to new PBTD (Duplex Shoe)
10. RU WL x Perforate casing from ~4030'~4210' x RD WL
11. RIH w/ 4.0" RBP & packer
12. Acid stimulate new perfs with ~3,000 gal of 15% HCL NEFE
13. POOH w/ RBP & packer
14. Run ESP Eqpt
15. RD PU
16. Return well to production

Current WBD

Current WBD

NHSAU 311-33

30-025-07555

Surface Casing

17-1/2" Hole Size

13-3/8" 54.5# set at 292'

Cemented with 200 sx (1934)

TOC @ Surface (Circulated)

Remediated w/ 500 sx bradenhead squeeze (1953)

Intermediate Casing

12-1/4" Hole Size

9-5/8" 36# set at 2746'

Cemented with 350 sx (1934)

Original TOC @ 1880' (calc.)

TOC @ Surface (Circulated)

Remediated - Circulated 70 sx out of 9-5/8" valve (1953)

Production Casing 1

8-3/4" Hole Size

7.0" 24# set at 3930'

Cemented with 250 sx (1934)

Original TOC @ 2559" (calc.)

TOC @ Surface (Circulated)

Remediated - Circulated 50 sx out of 7.0" valve (1953)

Production Casing 2

6-1/8" Hole Size

5-1/2" set at 4086'

Cemented with 75 sx (1946)

Original TOC @ 2700' (Temperature Survey)

TOC @ Surface (Circulated)

Remediated - Circulated 20 sx out of 5-1/2" valve (1953)

Current Equipment in the Hole

5-1/2" AS1-X Packer @ 4038'

1.875" F Type Profile Nipple

T-2 On-Off Tool

128 jts 2-7/8" 6.5# J-55 Tbg

1953 Cement Remediation Job Notes

W. D. Grimes (East) No. 3

Repaired 5-1/2" and 7" casing leaks as follows:

1. Set bridge plug in base of 5-1/2" casing.
2. Using retrievable cementer found bottom leak in 5-1/2" casing between 3589' and 3775'. Top leak between 4891' and 4991'.
3. Ran cement retainer set at 3562'. Had circulation on 5-1/2", 7", and 9-5/8" casing. Displaced water with mud. Pumped approximately 750 sacks cement thru tubing. Circulated estimated 70 sacks out 9-5/8" casing then shut in. Circulated estimated 50 sacks out 7" casing then shut in and performed bradenhead squeeze. Tubing pressure 1250#, casing pressure 1000#. Displaced tubing with 9 barrels water. Pulled tubing. Connected to 13-3/8" bradenhead and cemented with 500 sacks. All casings and bradenheads shut in.
4. Waited on cement.
5. Ran bit to top cement at 683'. Pressured 5-1/2" casing. Would not hold 1000#. Drilled cement in 5-1/2" casing 25'. Pressured up on 5-1/2" casing. Found leak at 653' with circulation out 5-1/2" - 7" annulus.
6. Cemented 5-1/2" - 7" annulus with 70 sacks. Pumped 5-1/2" plug to 480'. Circulated approximately 20 sacks cement out of 5-1/2" - 7" annulus.
7. Waited on cement.
8. Tested 7" casing with 1000 psi for 30 minutes. No drop in pressure.
9. Drilled out cement and retainer.
10. Tested 5-1/2" casing with 1000 psi for 30 minutes. No drop in pressure.
11. Returned well to production.

San Andres Open Hole

4086'-4221'

TD at 4221'

Proposed WBD

Proposed WBD

NHSAU 311-33

30-025-07555

Surface Casing

17-1/2" Hole Size

13-3/8" 54.5# set at 292'

Cemented with 200 sx (1934)

TOC @ Surface (Circulated)

Remediated w/ 500 sx bradenhead squeeze (1953)

Intermediate Casing

12-1/4" Hole Size

9-5/8" 36# set at 2746'

Cemented with 350 sx (1934)

Original TOC @ 1880' (calc.)

TOC @ Surface (Circulated)

Remediated - Circulated 70 sx out of 9-5/8" valve (1953)

Production Casing 1

8-3/4" Hole Size

7.0" 24# set at 3930'

Cemented with 250 sx (1934)

Original TOC @ 2559" (calc.)

TOC @ Surface (Circulated)

Remediated - Circulated 50 sx out of 7.0" valve (1953)

Production Casing 2

6-1/8" Hole Size

5-1/2" set at 4086'

Cemented with 75 sx (1946)

Original TOC @ 2700' (Temperature Survey)

TOC @ Surface (Circulated)

Remediated - Circulated 20 sx out of 5-1/2" valve (1953)

Proposed Equipment in the Hole

~3375' of 2-7/8" 6.5# J-55 Tbg

ESP landed at ~3475'

1953 Cement Remediation Job Notes

W. D. Grimes (East) No. 3

Repaired 5-1/2" and 7" casing leaks as follows:

1. Set bridge plug in base of 5-1/2" casing.
2. Using retrievable cementer found bottom leak in 5-1/2" casing between 3589' and 3775'. Top leak between 459' and 499'.
3. Ran cement retainer set at 3582'. Had circulation on 5-1/2", 7", and 9-5/8" casing. Displaced water with mud. Pumped approximately 750 sacks cement thru tubing. Circulated estimated 70 sacks out 9-5/8" casing then shut in. Circulated estimated 50 sacks out 7" casing then shut in and performed bradenhead squeeze. Tubing pressure 1250#. casing pressure 1000#. Displaced tubing with 9 barrels water. Pulled tubing. Connected to 13-3/8" bradenhead and cemented with 500 sacks. All casings and bradenheads shut in.
4. Waited on cement.
5. Ran bit to top cement at 683'. Pressured 5-1/2" casing. Would not hold 1000#. Drilled cement in 5-1/2" casing 25'. Pressured up on 5-1/2" casing. Found leak at 653' with circulation out 5-1/2" - 7" annulus.
6. Cemented 5-1/2" - 7" annulus with 70 sacks. Pumped 5-1/2" plug to 480'. Circulated approximately 20 sacks cement out of 5-1/2" - 7" annulus.
7. Waited on cement.
8. Tested 7" casing with 1000 psi for 30 minutes. No drop in pressure.
9. Drilled out cement and retainer.
10. Tested 5-1/2" casing with 1000 psi for 30 minutes. No drop in pressure.
11. Returned well to production.

Proposed Liner

6-1/8" Hole Size

4.0" Liner top at 3500'

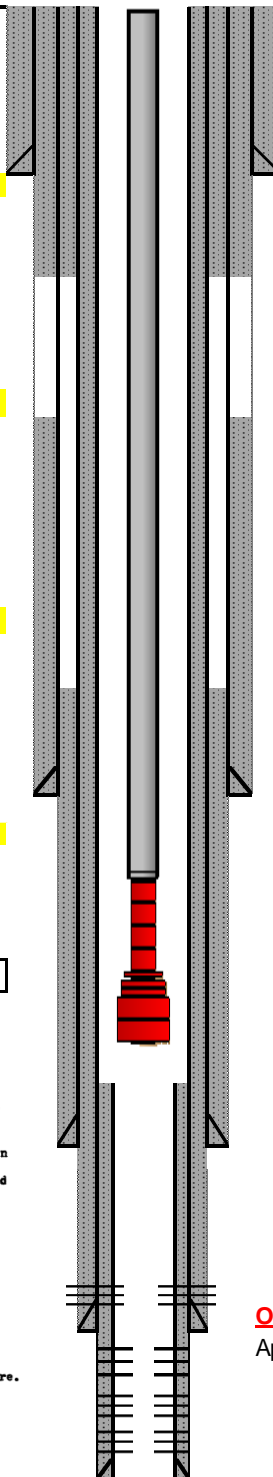
4.0 Casing set at ~4221'

Cemented with ~200 sx

TOC @ 3800'

Open San Andres Perfs

Approximately 4030'-4190'



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 238833

CONDITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 238833
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Run BHT test	8/18/2023