

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

HOBBS OCD State of New Mexico
Energy, Minerals and Natural Resources
NOV 04 2014
RECEIVED
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-42071	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Vacuum Abo Unit	
8. Well Number 706	
9. OGRID Number 217817	
10. Pool name or Wildcat Vacuum; Abo Reef	
4. Well Location Unit Letter <u>O</u> : <u>1016</u> feet from the <u>south</u> line and <u>2333</u> feet from the <u>east</u> line Section <u>27</u> Township <u>17S</u> Range <u>35E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3931'	

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.

ConocoPhillips Company (COPC) respectfully requests approval of these proposed changes to our drilling plan for this well. These issues have been discussed with Mr. Brown by Steven Herrin, ConocoPhillips Drilling Engineer. The changes are listed below.

1. COPC will pressure test the BOP to our corporate standards of 70% of working pressure.
2. COPC plans on running a cement bond log on the production casing in accordance with NMOCD requirements.
3. COPC plans on having the option of a two stage cement job. The procedure is attached.

The expected spud date for this well is November 3, 2014.

Thank you for your time spent reviewing this request.

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

Susan B. Maunder

TITLE Senior Regulatory Specialist

DATE

11/3/14

Type or print name Susan B. Maunder

E-mail address: Susan.B.Maunder@copc.com

PHONE: 281-206-5281

For State Use Only

APPROVED BY:

[Signature]

TITLE Petroleum Engineer

DATE

11/04/14

Conditions of Approval (if any):

NOV 05 2014

ATTACHMENT 1

7-5/8" Intermediate Casing Cementing Program – Two-Stage Cementing Option (Yates Gas Flow and CO2 & Waterflood in Grayburg/San Andres):

ConocoPhillips Company respectfully requests approval of this additional option for our cementing program for the **Vacuum Abo Unit wells; 687, 706, and 707**. The goal for this Intermediate Casing – Two-Stage Cementing Option is to:

- Provide a contingency plan for using a Stage Tool and Annulus Casing Packer(s) to isolate shallow gas flow in Yates and/or gas/water flow in Grayburg/ San Andres if either of these events occurs while drilling the well.
- Place the Stage 1 Cement from the casing shoe to surface.
- Proceed with Stage 2 Cement only if cement returns are contaminated or flow was observed after pumping 1st stage.
- Annulus Casing Packer and DV tool planned to be set inside 9-5/8" casing.

Spacer: 15 bbls Fresh Water

Stage 1 - Slurry		Intervals Ft MD		Weight ppg	Sx	Vol Cuft	Additives	Yield ft ³ /sx
Lead	C Gas Blk Slurry	Surface	3000'	11.5	255	479	Class C 40 lb/sx 6% Extender 2.5% BWOB 2.5% CaCl ₂ 1.34 gal/sk Gas Migration Control 0.061 gal/sk Anti foam 0.366 gal/sk Dispersant	1.88
Tail	TXI+Gas Blk Slurry	3000'	5100' – 5200'	13.2	337	465	Cement 75 lb/sk 2.0 gal/sk 1.0% Expanding Agent 0.2% Anti foam 5.0% Extender 0.2% Dispersant	1.38

1st stage displacement: FW followed by Weighted Spacer

Spacer: Remaining Weighted Spacer in cementing lines from the 1st stage displacement

Stage 2 - Slurry		Intervals Ft MD		Weight ppg	Sx	Vol Cuft	Additives	Yield ft ³ /sx
Tail	Class C	Surface	Stage Tool ~1600'	11.5	200	376	1% CaCl ₂ Excess = 100% based on gauge hole volume	1.88

2nd stage displacement: Fresh Water

Proposal for Option to Adjust Intermediate Casing Cement Volumes:

The Intermediate casing cement volumes for the proposed single stage and two-stage option presented above are estimates based on gauge hole. We will adjust these volumes based on the caliper log data for each well and our trends for amount of cement returns to surface. Also, if no caliper log is available for any particular well, we would propose an option to possibly increase the production casing cement volume to account for any uncertainty in regard to the hole volume.