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

Form C-103
Revised August 1, 2011

WELL API NO. 30-015-32060
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-7677

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: State S-19
8. Well Number 20
1. Type of Well: Oil Well ☒ Gas Well ☐ Other
2. Name of Operator: COG Operating, LLC
9. OGRID Number: 229137
3. Address of Operator: 600 W. Illinois Ave., Midland, TX 79701
10. Pool name or Wildcat: Empire;Glorieta-Yeso
4. Well Location
Unit Letter M : 990 feet from the South line and 330 feet from the West line
Section 19 Township 17S Range 29E NMPM County Eddy
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3672 RKB

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 ☐			
OTHER: Deepen ☒		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.

Please see the attached deepening procedure.

RECEIVED
MAY 13 2013
NMOCD ARTESIA

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 [signature] TITLE Lead Regulatory Analyst DATE 5/10/13

Type or print name Kanicia Castillo E-mail address: kcastillo@concho.com PHONE: 432-685-4332

For State Use Only

APPROVED BY: [signature] TITLE Dist II Supervisor DATE 5/14/2013

Conditions of Approval (if any):

State S 19 #20
Sec. 19; T17S, R29E
990' FSL, 330' FEL
Eddy County, New Mexico

Objective: Deepen wellbore to the Blinebry

Well Data:
Reference elevation: 3660' GR
Spud date: 12/19/2001
TD/ PBTD: 4,265'/4,243'
Unit: 228-213-86

Casing:
- 8-5/8" 24#/ft J55 ST&C set @ 325'
  - CMT w/ 275 sxs Class "C" w/ 2% CaCl, circ. 76 sx.
- 5-1/2" 17#/ft J55 LT&C set @ 4257'
  - CMT w/ 200 sx 50-50-2 + 850 sx 35-65-6 + 250 sx 50-50-2, circ. 106 sx.

Perfs:
- Paddock: 3752' - 4057'

Tubing Detail:
3534' of 2-7/8" J55 tbg
MJ
1 jt 2-7/8" tbg
TAC @ 3602'
1 jt 2-7/8" tbg
SN @ 4039'
4' Perf Sub
1 jt BPMA **(EOT @4075')**

Rod Detail:
1-1/4" x 26' PR with 1-1/2" Liner
(24) 7/8" steel rods
(126) 3/4" steel rods
(10) 7/8" steel rods
2.5" x 1.5" x 16' Production pump (Andrews)

Special Notes:
ALL DRILLING AND WELL WORK OPERATIONS MUST BE CLOSED LOOP.
READ ATTACHED CONDITION OF APPROVALS AND DO NOT DEVIATE FROM THEM WITHOUT CONSULTING WITH THE OFFICE.

Procedure:
1. Prior to having BOP delivered, BOP must be shop tested to 1000 psi. Have chart delivered with equipment and keep a copy of it throughout the duration of the job.
2. MIRU WSU. POOH laying down rods and pump. Handle with care as they may be reinserted into the wellbore. NU BOP. TOH and lay down TBG.
3. Tally workstring on the racks (you will need accurate tally for CR setting depths).
4. PU 4-3/4" bit & scraper, TIH, and tag PBTD **(+/- 4,243')**.
5. POOH and L/D bit & scraper.
6. RIH w/ CICR. Pump through retainer and set @ +/- **3,700'** in preparation to CMT set of Paddock perforations **[3,752' to 4,057']**.
7. Pump 300 sxs Class "C" w/ 3% CaCl2 + 2#/sx kol seal followed by 300 sxs Class "C" neat CMT. Once squeeze is obtained, sting out and let cmt fall out of end of tbg. Watch carefully to not cmt tbg in hole. POOH w/ setting tool.
8. Wait on CMT at least 12 hours.
9. PU 4-3/4" workover bit. TIH and D/O CICR & squeezed CMT. Test squeeze to 500 psi for 30 minutes.
10. Push to PBTD. Drill out shoe and 25' of new formation **(+/- 4,290')** circulating w/ 2% KCl.
11. POOH w/ workover bit. PU 4-3/4" bit, mud motor, and (30) 3-1/2" DCs.
12. Drill using varying weights, pump rate, and swivel rotation to optimize rate of penetration. Drill new hole to **+/- 5,475'**.
13. TOH laying down workstring.
14. RIH w/ 4" 11.6# L-80 UFJ CSG, tag bottom, & circulate. DV-Tool should be placed no deeper than **4,160'**. Centralizer depths will be provided after TD is reached.
15. We will CMT 4" CSG w/ 125% excess. Batch mix cement to ensure good cement throughout job. Ensure that the field blends have been tested prior to pumping. Displace w/ fresh water, bump plug, and drop DV bomb.

16. Open DV-tool after bomb seats and circulate until returns are free of CMT.
17. PU 3-1/4" tri-cone bit w/ gauge protection and 2-3/8" workstring w/ turned down collars to D/O DV-tool. Make sure to work through the DV-tool multiple times to ensure we have reamed it to proper ID.
18. TOH laying down workstring and bit.
19. MIRU Halliburton. Run 3-1/4" junk basket to PBTD. Run radial cement bond log from TD to 200' above TOC.
20. MIRU Scientific Drilling and run directional survey from PBTD to 3,500'. RDMO Scientific Drilling.
21. Prep well for 3 stage Blinebry completion.

Completion Procedure

1. MIRU rig.
2. RIH w/ perforating guns and perforate Yeso from 5000'-5200' w/ 1 spf, 28 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 4950'.
4. RIH w/ perforating guns and perforate Yeso from 4700'-4900'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 4650'.
6. RIH w/ perforating guns and perforate Yeso from 4400-4600'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand.
8. RIH and drill out plugs at 4650' and 4950'.
9. RIH and cut or back off 4" casing at 4160'. POOH w/ 4" casing. Leave 4" liner from 4160' to 5475' (TD).
10. RIH w/ tbg and locate end of tbg at 4145'.
11. RIH w/ rods and pump.
12. RDMO rig.