

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCarlsbad Field Office
OCD ArtesiaFORM APPROVED
MB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*Lease Serial No.
NMNM127445

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
BLUE DUCK FEDERAL 1H9. API Well No.
30-015-40448-00-S110. Field and Pool or Exploratory Area
WILDCAT

11. County or Parish, State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact: DANA KING
E-Mail: dking@concho.com3a. Address
600 W ILLINOIS AVENUE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-818-2267

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 30 T16S R30E Lot 4 380FSL 330FWL

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☒ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating LLC respectfully requests to recompleate the Blue Duck Federal #1.

We plan to have our top perms from 3,450' - 3,650'. Ideally, we like to have the additional space of rat hole below our bottom perms to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rat hole space, this gives COG the option to re-enter the paddock formation at a later time.

Please see the attached procedure, current and proposed wellbore diagrams.

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 01 2019

GC 4/2/19
Accepted for record - NMOCD

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #456323 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 02/28/2019 (19PP1204SE)

Name (Printed/Typed) DANA KING

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 02/28/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

/s/ Jonathon Shepard

Title

Petroleum Engineer

Carlsbad Field Office

MAR 29 2019

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Blue Duck Federal #1H Proposed Recompletion Plan 30-015-40448

We plan to have our top perfs from 3,450' – 3,650'. Ideally, we like to have the additional space of rat hole below our bottom perfs to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rat hole space, this gives COG the option to re-enter the paddock formation at a later time.

Equipment Pull Procedure

- RIH w/ perforating guns and perforate San Andres Zone from 3,450'-3,650', w/ 3 spf, 120° phasing, 54 holes
- Dump bail acid in the perf interval
- NU 5K frac valve
- Secure wellbore
- RDMO WSU

Tentative Recompletion Procedure

- RU Elite Well Services Frac Crew
- Acidize w/ 3,000 gals of 15% HCl.
- XL Frac zone w/ 200,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- RDMO Elite

Return to Production Procedure

- MIRU WSU
- RIH with bit and bailer to drill
- Clean out fill to new PBTD @ 4,260'
- RIH with production tubing as follows:
 - (101) jts 2-7/8" J55 6.5# tbg
 - (1) 2' marker joint
 - (2) jts 2-7/8" J55 6.5# tbg
 - **TAC @ 3,300'**
 - (12) jts 2-7/8" J55 6.5# tbg
 - **SN @ 3,680'**
 - (1) 20' MSMA
 - **EOT @ 3,700'**
- ND BOP, set TAC, flange up WH
- RIH w/ rod design as follows:
 - (1) 26' x 1-1/2" SMPR
 - (1) 6' x 3/4" rod sub
 - (2) 8' x 3/4" rod subs
 - (140) 3/4" D rods
 - (7) 1-5/8" K bars
 - (1) 25-150 RHBC-20' Pump
- Hang on, load tubing and note pump action and alignment
- Clean location
- Update rod and tubing detail in Well View
- All charges will hit recompletion AFE (800/500) code
- PWOP
- RDMO, TOTP

CONCHO

Author: Tower

Well Name: **BLUE DUCK**

Well No. **#1H**

Field: **WILDCAT**

API #: **30-015-40448**

County: **EDDY**

Prop #:

State: **NM**

Zone:

Date: **7/23/2012**

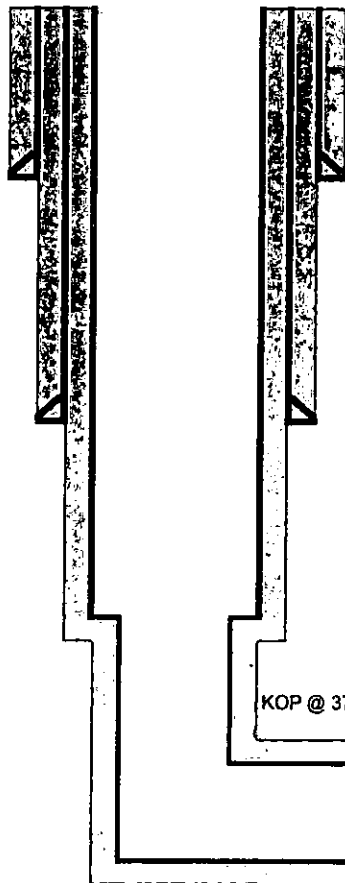
GL: **3711'**

KB: **3728'**

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	395	1050	Surface
Inter Csg	9 5/8	J55	36	2,705	1155	Surface
Prod Csg	7"X5 1/2"	L80	26	3758	900	Surface
Liner	5 1/2	L80	17	3760		
				4047		

5 1/2" Liner tied into 7"

CURRENT WELLBORE DIAGRAM



17-1/2" Hole

13-3/8" (H40 - 48#) @ 395' w/1050 sx
TOC @ surface

12-1/4" Hole

9-5/8" (J55 - 36#) @ 2702' w/1156 sx
TOC @ surface

8 3/4" Hole from 2702' - 3650' (includes curve)
7 7/8" Hole from 3650' - 8570'

8 3/4" hole

7" (L80 - 26#) @ 3758" w/ 900sx
TOC @ Surface

5 1/2" Davis Lynch DV tool @ 3760'
5 1/2" Peak Debris Barrier @ 4047'

KOP @ 3772'

7 7/8" hole

EOC @ 4799'

5 1/2" (L80 - 17#) @ 8450

TD @ 8570'

Tubing Strings

Tubing Description	Run Date	String Length (ft)	Set Depth (ft)		
Tubing - Production	8/8/2017	4,390.00	4,390.0		
Item Desc	J55	OD (in)	WT (lb/ft)	Grade	Len (ft)
Tubing	112	2 7/8	6.50	J-55	3,884.6
MARKER SUB	1	2 7/8	6.50	J-55	3,888.7
Tubing	2	2 7/8	6.50	J-55	3,732.2
Anchor/catcher	1	6 1/8	17.00	K-77	3,736.1
Tubing	17	2 7/8	6.50	J-55	4,288.0
Pump Seating Nipple	1	2 7/8			4,287.1
Slotted Joint	1	2 7/8	6.50	J-55	4,291.3
MUD ANCHOR	3	2 7/8	6.50	J-55	4,389.3
Bull Plug	1	2 7/8			4,390.0

Rod Components

Item Desc	Grade	J55	OD (in)	Len (ft)
Don Nan	Sprayedmetal	1	1 1/2	26.00
PONY RODS	N97	1	7/8	4.00
RODS	N97	147	7/8	3,675.00
American Sinker Bar FHSM	Grade K	22	1 1/2	550.00
Rod Insert Pump		1	2 1/2	20.00

Sleeve depths - TMD

	TMD
1 pump out plug	8,450
Frac sleeve	8,407
2 2.406" sleeve	8,147
3 2.531" sleeve	7,907
4 2.65" sleeve	7,625
5 2.781" sleeve	7,364
6 2.906" sleeve	7,112
7 3.031" sleeve	6,861
8 3.156" sleeve	6,600
9 3.281" sleeve	6,343
10 3.406" sleeve	6,085
11 3.531" sleeve	5,836
12 3.656" sleeve	5,582
13 3.781" sleeve	5,333
14 4.031" sleeve	5,040
15 4.281" sleeve	4,790

Packer Depths - TMD

	TMD
1	8,269
2	8,032
3	7,747
4	7,495
5	7,235
6	6,991
7	6,732
8	6,477
9	6,213
10	5,965
11	5,708
12	5,459
13	5,169
14	4,915
15	4,668

CONCHO

Author: Tower

Well Name: BLUE DUCK

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Field: WILDCAT

API #: 30-015-40448

County: EDDY

Prop #:

State: NM

Zone:

Date: 7/23/2012

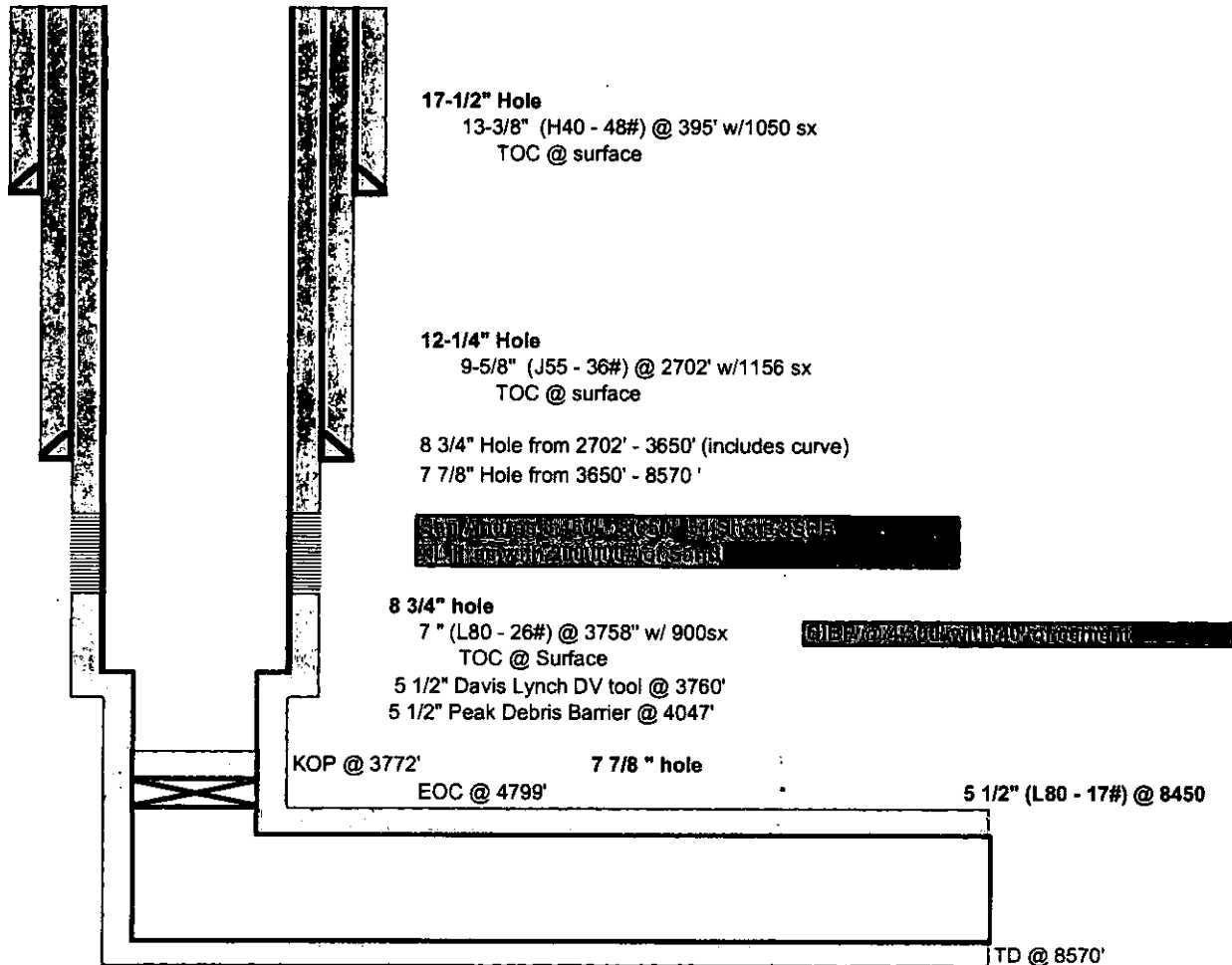
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PROPOSED WELLBORE DIAGRAM



Sleeve depths - TMD

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BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Workover/Deepening of a Well

1. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. **Cement:** Notify BLM if cement fails to circulate.
4. **Subsequent Reporting:** Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
6. **If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:** From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.