

**NATIONAL CONSERVATION
ARTESIA DISTRICT**

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMLC028731B

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CASTILLO**
E-Mail: **kcastillo@concho.com**

3. Address **600 W ILLINOIS AVENUE MIDLAND, TX 79701** 3a. Phone No. (include area code) **Ph: 432-685-4332**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **Sec 15 T17S R29E Mer NMP NENE 1035FNL 230FEL**
At top prod interval reported below **Sec 14 T17S R29E Mer NMP Lot A 1010FNL 270FWL**
At total depth **Sec 15 T17S R29E Mer NMP Lot A 966FNL 10FEL**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. **NMNM111789X**

8. Lease Name and Well No. **DODD FEDERAL UNIT 917H**

9. API Well No. **30-015-44128-00-S1**

10. Field and Pool, or Exploratory **DODD-GLORIETA-UPPER YESO**

11. Sec., T., R., M., or Block and Survey or Area **UNKNOWN Sec 15 T17S R29E Mer NMP**

12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **07/01/2017** 15. Date T.D. Reached **07/13/2017** 16. Date Completed D & A Ready to Prod. **09/15/2017**

17. Elevations (DF, KB, RT, GL)* **3612 GL**

18. Total Depth: MD **10229** TVD **4780** 19. Plug Back T.D.: MD **10155** TVD **4780** 20. Depth Bridge Plug Set: MD **10155** TVD **4780**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **CN**

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	40.0		1038		C 450			
8.750	7.000 L80	29.0		4149					
8.750	5.500 L80	17.0		10219		C 2150			
17.500	13.375 H-40	48.0	0	350		225 ??		0	
17.500	13.375 J55	54.5	0	370		C 1000		0	
12.250	9.625 J-55	40.0	0	1000	400	275 ??		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5241							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			4986 TO 10129	0.430	1152	OPEN - Glorieta Yeso
B) YESO	4986	10129				
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4986 TO 10129	ACIDIZE W/ 127,008 15% ACID, FRAC W/ 346,710 GALS TREATED WATER, 5,702,802 GALS SLICK WATER.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/17/2017	09/20/2017	24	→	304.0	216.0	1800.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	304	216	1800	711	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/17/2017	09/20/2017	24	→	304.0	216.0	1800.0	39.1	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	304	216	1800	711	POW	

ACCEPTED FOR RECORD

MAR 17 2018
Wineh Legido
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #393451 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Reclamation Dec: 3/15/2018

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
TANSILL	900		DOLOMITE	TANSILL	900
QUEEN	1891		SANDSTONE	QUEEN	1891
GRAYBURG	2298		DOLOMITE & ANHYDRITE	GRAYBURG	2298
SAN ANDRES	2581		DOLOMITE & ANHYDRITE	SAN ANDRES	2581
PADDOCK	4070		DOLOMITE	PADDOCK	4070

32. Additional remarks (include plugging procedure):
Logs will be submitted in WIS.
Logs will be mailed to the OCD.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #393451 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 11/03/2017 (18DW0022SE)

Name (please print) KANICIA CASTILLO Title PREPARER

Signature _____ (Electronic Submission) Date 10/30/2017

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.

**** REVISED ** REVISED ****

Additional data for transaction #393451 that would not fit on the form

23. Casing and Liner Record, continued

Hole Size	Size/Grade	Wt. (#/ft.)	Top(MD)	Btm(MD)	Stg Cmntr	Sx, Type Cmnt	Slurry Vol	Cement Top	Amt Pulled
8.750	7.000 L-80	29.0	0	4329	2664	1625		0	
8.750	5.500 L-80	17.0	4329	5156					
7.875	5.500 L-80	17.0	5156	9816		1425			

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office.

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44128		² Pool Code 97917		³ Pool Name Dodd;Glorieta-Upper Yeso	
⁴ Property Code 308195		⁵ Property Name DODD FEDERAL UNIT			⁶ Well Number 917H
⁷ GRID NO. 229137		⁸ Operator Name COG OPERATING, LLC			⁹ Elevation 3612'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
A	15	17S	29E		1035	NORTH	230	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	17S	29E		966	NORTH	10	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

<p>¹⁶ GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 669073.2 - E: 626883.9 LAT: 32.8389766° N LONG: 104.05480087° W BOTTOM HOLE N: 669115.7 - E: 632387.5 LAT: 32.83907342° N LONG: 104.03688141° W DETAIL "A" 3614.6' 600' 3613.2' 600' S. L. 3611.1' 3611.7'</p>	<p>CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1914" N: 664818.7 - E: 621836.6 B: FOUND 1/2" REBAR N: 670102.9 - E: 621822.7 C: FOUND ALUM CAP "ILLEGIBLE" N: 670108.2 - E: 627111.4 D: FOUND BRASS CAP "1914" N: 667468.3 - E: 627117.8 E: FOUND BRASS CAP "1914" N: 664824.0 - E: 627124.4 F: FOUND 1" IRON PIPE N: 664821.2 - E: 624477.3 G: FOUND BRASS CAP "1914" N: 670105.4 - E: 632395.3</p>	<p>CORNER DATA NAD 83 GRID - NM EAST H: FOUND 1-1/2" STEEL PIPE N: 667466.5 - E: 632401.1 I: FOUND 1" STEEL PIPE N: 664828.6 - E: 632407.9 J: FOUND 1/2" REBAR W/ STNS N: 664826.4 - E: 629765.3</p>	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>K C</i> Date: 10/30/17 Printed Name: Kanicia Castillo E-mail Address: kcastillo@concho.com</p>
			<p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 7/25/13 Date of Survey Signature and Seal of <i>Robert M. Howett</i> 19680 Certificate Number 3/23/17 BH CHANGE</p>