



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-39281

October 31, 2011

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Dodd Federal Unit #607
2360' FNL & 1588' FEL
Sec. 15, T17S, R29E
Eddy County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

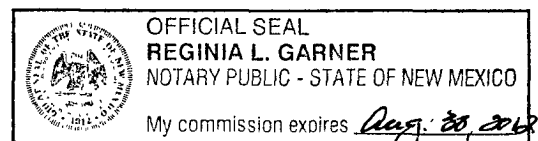
Very truly yours,

A handwritten signature in cursive script, appearing to read "Chris Graham".

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 31st day of October, 2011.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".
Notary Public

Dodd Federal Unit #607

Date	Depth	Dev/Inc
10/21/2011	266	0.40
10/22/2011	766	1.20
10/24/2011	1051	1.10
10/24/2011	1528	0.50
10/24/2011	2006	0.60
10/25/2011	2484	1.10
10/25/2011	2962	0.60
10/26/2011	3440	0.80
10/26/2011	3919	0.70
10/27/2011	4811	0.90

Dodd Federal Unit #607

Database File: cogdoddfedunit607.db
 Dataset Pathname: pass2
 Presentation Format: temp
 Dataset Creation: Sun Oct 23 11:31.06 2011 by Log PIP Casedhole Loggi
 Charted by: Depth in Feet scaled 1 240

70 TEMP (degF) 110
 TEMP
 (degF)

50

73.1

75.2

100

74.9

74.6

150

74.4

74.2

200

73.8

74.0

250

74.4

74.6

300

74.4

73.3

350

72.7

72.6

400

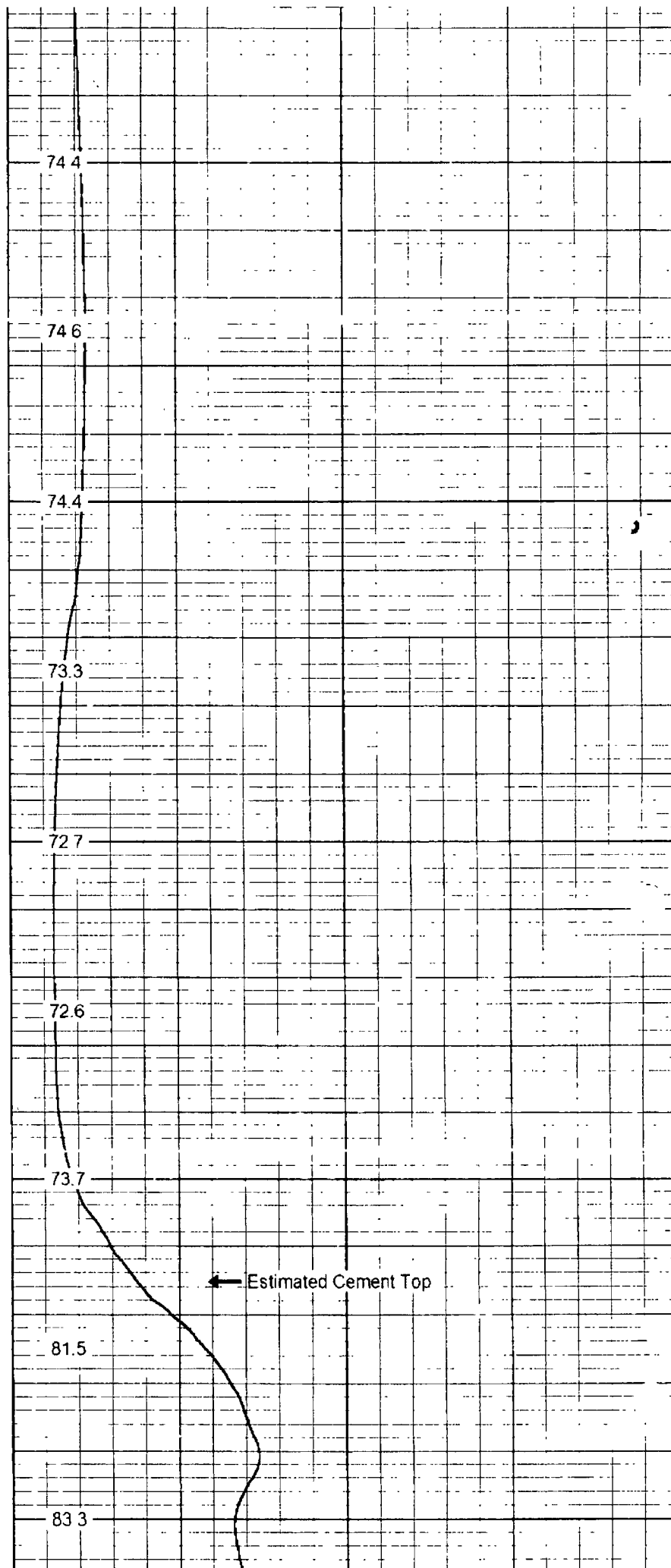
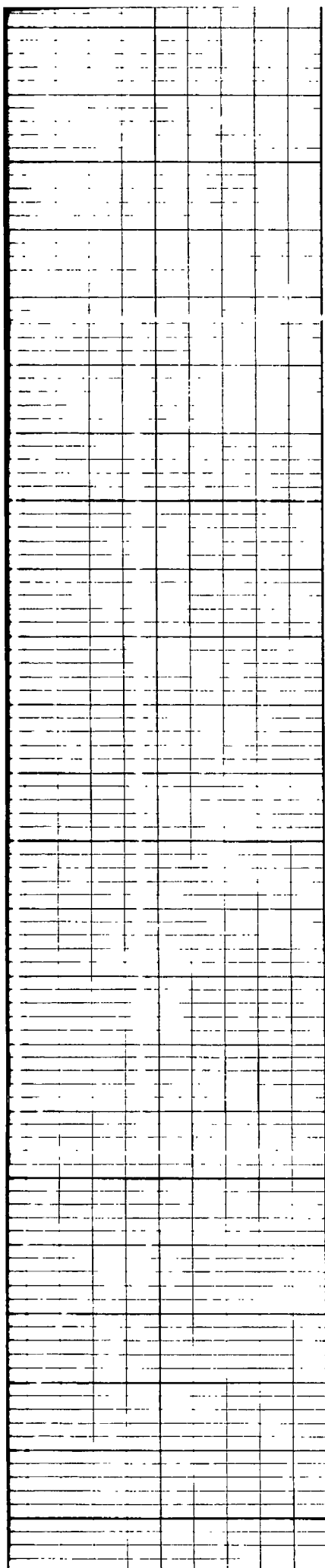
73.7

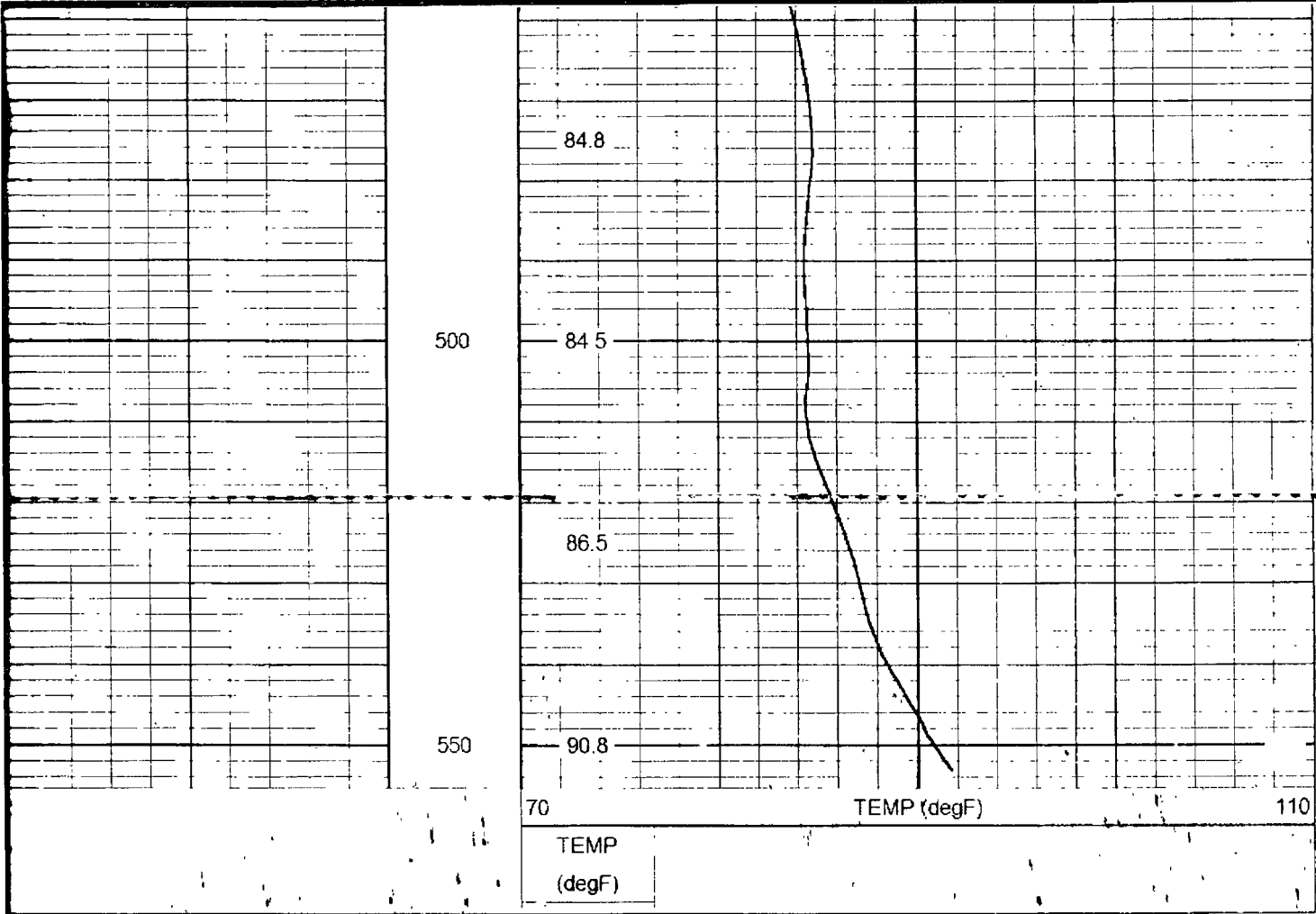
← Estimated Cement Top

81.5

450

83.3





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No
NMLC028731B

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6 If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7 Unit or CA Agreement Name and No NMNM111789X DODD		
2 Name of Operator COG OPERATING LLC			Contact NETHA AARON E-Mail. oaaron@conchoresources.com		
3 Address 550 WEST TEXAS SUITE 100 MIDLAND, TX 79701			3a Phone No (include area code) Ph. 432-818-2319		
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot G 2360FNL 1588FEL 32.835247 N Lat, 104 058712 W Lon At top prod interval reported below Lot G 2360FNL 1588FEL 32.835247 N Lat, 104.058712 W Lon At total depth Lot G 2360FNL 1588FEL 32 835247 N Lat, 104 058712 W Lon			8 Lease Name and Well No. DODD FEDERAL UNIT 607		
14. Date Spudded 10/20/2011			15 Date T D Reached 10/26/2011		
16 Date Completed ☐ D & A ☒ Ready to Prod. 11/20/2011			17 Elevations (DF, KB, RT, GL)* 3610 GL		
18 Total Depth. MD 4481 TVD 4481			19 Plug Back T D. MD 4416 TVD 4416		
20. Depth Bridge Plug Set MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HI-RES LAT ARRY;3-DET LITHO-DEN COMP NEUTRON		
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 Sk. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	306		700		0	
11.000	8 625 J55	24 0	0	991		1010		0	
7.875	5.500 J55	17.0	0	4481		900		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	4246							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) YESO	4100	4350	4100 TO 4350	0 340	26	OPEN
B)						
C)						
D)						

26 Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
4100 TO 4350	ACIDIZED W/3000 GALS 15% HCL
4100 TO 4350	FRAC W/111,871 GALS GEL, 124,103# 16/30 BROWN SAND, 16,673# 16/30 SIBERPROP

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
11/27/2011	11/27/2011	24	→	136 0	132.0	300.0	40 5	0 60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	70	70 0	→					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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

Accepted for record
NMOCD

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #126327 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

109
1/4/2012

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

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

Form C-102
Revised July 16, 2010
Submit to Appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39281	Pool Code 28509	Pool Name Grayburg Jackson; SR-Q-G-SA
Property Code 308195	Property Name DODD FEDERAL UNIT	Well Number 607
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3610'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	17-S	29-E		2360	NORTH	1588	EAST	EDDY

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
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			NSL-6389

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=667683.7 N X=584350.4 E LAT.=32.835247° N LONG.=104.058712° W	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Netha Aaron</u> 12/9/11 Signature Date Netha Aaron Printed Name aaaron@concho.com E-mail Address 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. APRIL 18, 2011 Date of Survey Signature & Seal of Professional Surveyor: Certificate Number: 12641 DSS WSC W.O.: 11.11.0123
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