

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.*5. Lease Serial No
NMLC049998A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact NETHA AARON
E-Mail: oaron@concho.com8. Well Name and No
FOSTER EDDY 329. API Well No.
30-015-391253a. Address
550 WEST TEXAS SUITE 100
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-818-2319
Fx: 432-685-439610. Field and Pool, or Exploratory
MAR LOCO; GLORIETA-YESO

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

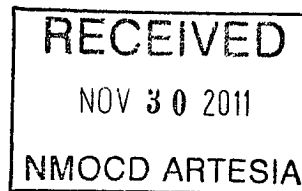
Sec 17 T17S R31E 1188FNL 1170FEL
32.838415 N Lat, 103.886583 W Lon11. County or Parish, and State
EDDY COUNTY, NM

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

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

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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

9/27/11 MIRU. Tested BOP to 5000# for 30 min, Good.
10/01/11 Perf Lower Blinbry @ 5910 - 6160 w/1 SPF, 26 holes.
10/03/11 Acidized w/2500 gals 15% HCL. Frac w/115,000 gals gel,
148,010# 16/30 White sand, 32,084# 16/30 CRC. Set CBP @ 5880
Perf Middle Blinbry @ 5625 - 5850 w/1 SPF, 26 holes.
Acidized w/2500 gals 15% HCL. Frac w/111,000 gals
gel, 142,746# 16/30 White sand, 29,850# 16/30 CRC. Set CBP @ 5600.
Perf Upper Blinbry @ 5340 - 5565 w/1 SPF, 26 holes. Acidized
w/2500 gals 15% HCL. Frac w/114,000 gals gel, 142,495# 16/30 White
sand, 31,147# 16/30 CRC. Set CBP @ 5100
Perf Paddock @ 4820 - 5070 w/1 SPF, 26 holes. Acidized
w/3000 gals 15% HCL. Frac w/109,000 gals gel, 129,016# 16/30 White



Accepted for record

NMOCD 10/11
DEC 02 2011

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

Electronic Submission #124173 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 11/28/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

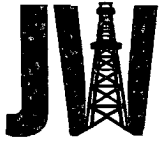
DEC 14 2011

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.

Office

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

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



DRILLING INC. Oil Well Drilling Contractor

30-D15-39125

Post Office Box 160 Artesia, New Mexico 88211-0160 Office (575) 748-8704 Fax (575) 748-8719

September 15, 2011

COG Operating LLC
550 W. Texas, Suite 1300
Midland, Texas 79701

Re: Foster Eddy #32
Sec. 17, T-17-S, R-31-E
Eddy County, Texas

Attn: John Coffman

The following is a Deviation Survey on the referenced well in Eddy County, New Mexico:

368' - 0.25°
687' - 0.75°
1179' - 1°
1730' - 1°

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 15th day of September, 2011 by Gary W. Chappell.



OFFICIAL SEAL
CHERYL A. BARTLETT
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 4-29-12

NOTARY PUBLIC



30-D15-39125

COG OPERATING LLC

Eddy County, NM (NAN27 NME)

Foster Eddy #32

Foster Eddy #32

OH

Survey: MWD Survey

SDI Standard Survey Report

This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 4th of October, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling
Directional Drilling Operations



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	COG OPERATING LLC	Local Co-ordinate Reference:	Site Foster Eddy #32
Project:	Eddy County, NM (NAN27 NME)	TVD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Site:	Foster Eddy #32	MD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Well:	Foster Eddy #32	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Project	Eddy County, NM (NAN27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Foster Eddy #32		
Site Position:		Northing:	669,016.50 usft
From:	Map	Easting:	637,215.70 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 50' 18.293 N
		Longitude:	103° 53' 11.701 W
		Grid Convergence:	0 24 °

Well	Foster Eddy #32		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 50' 18.293 N
		Longitude:	103° 53' 11.701 W
		Ground Level:	3,758.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	9/10/2011	7.75
			Dip Angle
			(°)
			60.69
			Field Strength
			(nT)
			48,925

Design	Actual		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			157.83

Survey Program	Date 10/24/2011		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	1,729.0	Keeper Survey (OH)	Keeper
1,869.0	6,338.0	MWD Survey (OH)	MWD
			Description
			Standard Wireline Keeper ver 1.0.2
			MWD - Standard

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
100.0	0.08	317.33	100.0	0.1	0.0	317.33	0.1	
200.0	0.15	113.79	200.0	0.0	0.0	26.76	0.1	
300.0	0.35	177.88	300.0	-0.3	0.2	153.12	0.3	
400.0	0.76	186.26	400.0	-1.3	0.1	175.72	1.3	
500.0	1.01	184.51	500.0	-2.8	0.0	180.95	2.8	
600.0	0.84	187.90	600.0	-4.4	-0.2	182.81	4.4	
700.0	0.66	200.81	700.0	-5.7	-0.5	185.25	5.7	
800.0	0.39	213.79	800.0	-6.5	-0.9	188.02	6.6	
900.0	0.16	186.50	900.0	-6.9	-1.1	189.20	7.0	
1,000.0	0.58	97.37	1,000.0	-7.1	-0.6	185.09	7.2	



Scientific Drilling International, Inc.
SDI Standard Survey Report



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Project:	Eddy County, NM (NAN27 NME)	TVD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Site:	Foster Eddy #32	MD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Well:	Foster Eddy #32	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,100.0	0.94	82.97	1,099.9	-7.1	0.7	174.51	7.1
1,200.0	1.01	103.21	1,199.9	-7.2	2.4	161.88	7.6
1,300.0	1.36	104.28	1,299.9	-7.7	4.4	150.43	8.8
1,400.0	1.29	112.50	1,399.9	-8.4	6.6	142.08	10.7
1,500.0	0.92	116.70	1,499.9	-9.2	8.3	137.92	12.4
1,600.0	0.78	124.85	1,599.9	-10.0	9.6	136.07	13.8
1,700.0	0.74	116.87	1,699.8	-10.6	10.7	134.76	15.1
1,729.0	0.60	123.18	1,728.8	-10.8	11.0	134.44	15.4



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SDI Standard Survey Report



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Site:	Foster Eddy #32	MD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Well:	Foster Eddy #32	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Project	Eddy County, NM (NAN27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Foster Eddy #32			
Site Position:		Northing:	669,016.50 usft	Latitude: 32° 50' 18.293 N
From:	Map	Easting:	637,215.70 usft	Longitude: 103° 53' 11.701 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.24 °

Well	Foster Eddy #32			
Well Position	+N-S	0.0 usft	Northing:	669,016.50 usft
	+E-W	0.0 usft	Easting:	637,215.70 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level: 3,758.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/10/2011	7.75	60.69	48,925

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	0.0	0.0	0.0	157.83

Survey Program	Date 10/24/2011				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	1,729.0	Keeper Survey (OH)	Keeper	Standard Wireline Keeper ver 1.0.2	
1,869.0	6,338.0	MWD Survey (OH)	MWD	MWD - Standard	

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,729.0	0.60	123.18	1,728.8	-10.8	11.0	134.44	15.4
Gyro Tie-in							
1,869.0	0.62	117.72	1,868.8	-11.6	12.3	133.21	16.9
1,932.0	0.88	151.12	1,931.8	-12.1	12.8	133.40	17.7
1,993.0	1.32	175.64	1,992.8	-13.2	13.1	135.29	18.6
2,055.0	1.93	182.15	2,054.8	-15.0	13.1	138.81	19.9
2,118.0	2.90	177.23	2,117.7	-17.7	13.2	143.29	22.0
2,179.0	4.04	170.37	2,178.6	-21.3	13.6	147.46	25.3
2,242.0	4.57	172.66	2,241.4	-26.0	14.3	151.20	29.7
2,304.0	4.92	173.27	2,303.2	-31.1	14.9	154.36	34.5
2,367.0	5.63	175.21	2,366.0	-36.8	15.5	157.19	40.0



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Project:	Eddy County, NM (NAN27 NME)	TVD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Site:	Foster Eddy #32	MD Reference:	KB Elev (13') @ 3771.0usft (JW #4)
Well:	Foster Eddy #32	North Reference:	Grd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
2,429.0	6.24	171.69	2,427.6	-43.2	16.2	159.41	46.2
2,492.0	6.39	167.61	2,490.3	-50.0	17.5	160.74	53.0
2,558.0	6.95	165.10	2,555.8	-57.5	19.3	161.44	60.6
2,617.0	7.39	157.72	2,614.3	-64.4	21.7	161.42	68.0
2,710.0	6.60	156.63	2,706.7	-74.9	26.0	160.82	79.3
2,804.0	7.12	160.97	2,800.0	-85.3	30.1	160.58	90.5
2,898.0	6.51	164.04	2,893.3	-96.0	33.4	160.78	101.6
2,992.0	7.21	162.99	2,986.6	-106.7	36.6	161.05	112.8
3,085.0	7.03	162.37	3,078.9	-117.7	40.1	161.20	124.4
3,178.0	6.73	161.32	3,171.3	-128.3	43.5	161.26	135.5
3,271.0	7.47	157.72	3,263.5	-139.1	47.6	161.12	147.0
3,364.0	7.57	156.66	3,355.7	-150.3	52.3	160.81	159.1
3,457.0	7.39	156.57	3,447.9	-161.4	57.1	160.52	171.2
3,550.0	7.47	156.75	3,540.2	-172.4	61.9	160.27	183.2
3,643.0	7.56	156.66	3,632.4	-183.6	66.7	160.04	195.4
3,737.0	7.65	156.06	3,725.5	-195.0	71.7	159.82	207.8
3,830.0	7.56	156.40	3,817.7	-206.3	76.6	159.62	220.1
3,923.0	7.01	155.92	3,910.0	-217.1	81.4	159.45	231.8
4,017.0	7.21	154.37	4,003.3	-227.6	86.3	159.24	243.4
4,110.0	7.12	153.14	4,095.5	-238.0	91.4	158.99	255.0
4,204.0	7.00	152.91	4,188.8	-248.3	96.6	158.73	266.5
4,297.0	6.86	152.44	4,281.1	-258.3	101.8	158.49	277.6
4,391.0	6.86	151.65	4,374.5	-268.2	107.1	158.24	288.8
4,486.0	6.42	150.68	4,468.8	-277.8	112.4	157.98	299.7
4,579.0	6.33	151.39	4,561.2	-286.9	117.4	157.75	309.9
4,673.0	6.33	150.33	4,654.7	-295.9	122.4	157.53	320.2
4,766.0	6.33	158.24	4,747.1	-305.1	126.8	157.43	330.4
4,859.0	6.07	158.59	4,839.6	-314.5	130.5	157.46	340.5
4,952.0	5.89	156.52	4,932.1	-323.4	134.2	157.46	350.2
5,047.0	5.98	159.56	5,026.5	-332.5	137.9	157.48	360.0
5,140.0	7.03	163.52	5,118.9	-342.5	141.2	157.60	370.5
5,203.0	6.95	165.01	5,181.5	-349.9	143.3	157.73	378.1
5,296.0	6.77	164.57	5,273.8	-360.6	146.2	157.93	389.1
5,390.0	6.51	164.75	5,367.2	-371.1	149.1	158.11	399.9
5,483.0	6.52	164.01	5,459.6	-381.3	151.9	158.27	410.4
5,576.0	6.51	164.57	5,552.0	-391.4	154.8	158.43	420.9
5,669.0	7.12	155.87	5,644.3	-401.8	158.5	158.47	431.9
5,762.0	6.86	154.99	5,736.6	-412.1	163.2	158.39	443.2
5,857.0	6.68	154.90	5,831.0	-422.2	168.0	158.30	454.4
5,950.0	6.60	152.97	5,923.4	-431.9	172.7	158.20	465.1
6,043.0	6.42	154.20	6,015.8	-441.3	177.4	158.10	475.6
6,138.0	6.42	153.67	6,110.2	-450.9	182.1	158.01	486.2
6,231.0	6.07	151.65	6,202.6	-459.8	186.7	157.90	496.3
6,288.0	5.98	153.58	6,259.3	-465.2	189.5	157.84	502.3
Last MWD Survey							



Company:	COG OPERATING LLC	Local Co-ordinate Reference:	Site Foster Eddy #32
Project:	Eddy County, NM (NAN27 NME)	TVD Reference:	KB Elev (13') @ 3771 0usft (JW #4)
Site:	Foster Eddy #32	MD Reference:	KB Elev (13') @ 3771 0usft (JW #4)
Well:	Foster Eddy #32	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
6,338 0	5.98	153.58	6,309.0	-469 8	191.8	157 79	507 5
Projection to Bit							

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,729 0	1,728 8	-10 8	11 0	Gyro Tie-in
6,288 0	6,259.3	-465 2	189 5	Last MWD Survey
6,338 0	6,309.0	-469 8	191 8	Projection to Bit