

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

Form C-103
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-39779
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Stonewall 9 Fee
8. Well Number 4H
9. OGRID Number 229137
10. Pool name or Wildcat 3250 Atoka; Glorieta-Yeso
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3339'

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
COG Operating LLC

3. Address of Operator
One Concho Center - 600 W Illinois Ave Midland, TX 79701

4. Well Location
Unit Letter **A** : **150** feet from the **NORTH** line and **1040** feet from the **EAST** line
Section **9** Township **19S** Range **26E** NMPM County **EDDY**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: **Change Casing Program** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

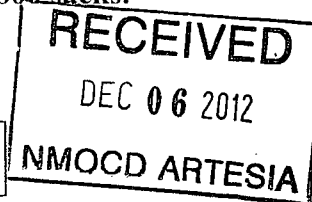
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG proposes to drill a 11" hole to 1200' w/fresh water, run 8 5/8" 32# J-56 and cement to surface. Drill a 7 7/8" hole to 2273' MD and kick off and drill curve to 2750' TVD 3023' MD. Drill a 7-7/8" lateral to new BHL @ 2750' TVD 7434' MD. Run a 5 1/2" 17# L-80 casing to TD cement to surface with 800 sacks.

A revised directional plan is attached.

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 TITLE Regulatory Analyst DATE 12/04/2012
Type or print name Robyn M. Odom E-mail address: Rodom@concho.com PHONE: 432-685-4385

For State Use Only

APPROVED BY: TITLE Boydgarst DATE 12-6-2012
Conditions of Approval (if any):

NMOCD ARTESIA

COG Operating LLC

Eddy County, NM

Stonewall 9 Fee 4H

Stonewall 9 Fee 4H

Wellbore #1



Plan: Plan #1

Surface: 150' FNL, 990' FEL, Sec 9, T19S, R26E, Unit A

BHL: 330' FSL, 990' FEL, Sec 9, T19S, R26E, Unit P

PP: 330' FNL, 969' FEL, Sec 9, T19S, R26E, Unit A

Standard Planning Report

15 June, 2012

Planning Report

Database:	Houston R5000 Database	Local Co-ordinate Reference:	Site Stonewall 9 Fee 4H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3357.00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3357.00ft (Original Well Elev)
Site:	Stonewall 9 Fee 4H	North Reference:	Grid
Well:	Stonewall 9 Fee 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Eddy County, NM		
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	Stonewall 9 Fee 4H		
Site Position:	Map	Northing:	611,852.20 ft
From:		Easting:	485,267.10 ft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32.68206866
		Longitude:	-104.38122063
		Grid Convergence:	-0.03 °

Well	Stonewall 9 Fee 4H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	Ground Level:
			3,339.00 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	6/15/2012	7.87
			Dip Angle
			(°)
			60.45
			Field Strength
			(nT)
			48,702

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			178.43

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,272.54	0.00	0.00	2,272.54	0.00	0.00	0.00	0.00	0.00	0.00	
3,022.54	90.00	173.26	2,750.00	-474.17	56.04	12.00	12.00	0.00	173.26	
3,168.09	90.00	179.08	2,750.00	-619.33	65.75	4.00	0.00	4.00	90.00	
7,433.81	90.00	179.08	2,750.00	-4,884.50	134.10	0.00	0.00	0.00	0.00	PBHL (Stonewall 9 Fee 4H)

Planning Report

Database:	Houston R5000 Database	Local Co-ordinate Reference:	Site Stonewall 9 Fee 4H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3357.00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3357.00ft (Original Well Elev)
Site:	Stonewall 9 Fee 4H	North Reference:	Grid
Well:	Stonewall 9 Fee 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,272.54	0.00	0.00	2,272.54	0.00	0.00	0.00	0.00	0.00	0.00
KOP: Start Build @ 12.00°/100'									
2,300.00	3.30	173.26	2,299.98	-0.78	0.09	0.79	12.00	12.00	0.00
2,400.00	15.30	173.26	2,398.49	-16.80	1.98	16.84	12.00	12.00	0.00
2,500.00	27.30	173.26	2,491.49	-52.80	6.24	52.95	12.00	12.00	0.00
2,600.00	39.30	173.26	2,574.93	-107.21	12.67	107.52	12.00	12.00	0.00
2,700.00	51.30	173.26	2,645.14	-177.67	21.00	178.18	12.00	12.00	0.00
2,702.67	51.62	173.26	2,646.81	-179.74	21.24	180.25	12.00	12.00	0.00
PP @ 2702.67 MD, 2646.81 TVD, 51.62 INC, 173.26 AZ, 180.25 VS									
2,800.00	63.30	173.26	2,699.08	-261.08	30.85	261.83	12.00	12.00	0.00
2,900.00	75.30	173.26	2,734.37	-353.80	41.81	354.82	12.00	12.00	0.00
3,000.00	87.30	173.26	2,749.47	-451.79	53.39	453.08	12.00	12.00	0.00
3,022.54	90.00	173.26	2,750.00	-474.17	56.04	475.52	12.00	12.00	0.00
Landing Point: Start Turn @ 4.00°/100'									
3,100.00	90.00	176.36	2,750.00	-551.30	63.04	552.82	4.00	0.00	4.00
3,168.09	90.00	179.08	2,750.00	-619.33	65.75	620.90	4.00	0.00	4.00
EOT: Hold @ 179.08° AZ									
3,200.00	90.00	179.08	2,750.00	-651.23	66.26	652.81	0.00	0.00	0.00
3,300.00	90.00	179.08	2,750.00	-751.22	67.87	752.80	0.00	0.00	0.00
3,400.00	90.00	179.08	2,750.00	-851.21	69.47	852.79	0.00	0.00	0.00
3,500.00	90.00	179.08	2,750.00	-951.20	71.07	952.79	0.00	0.00	0.00
3,600.00	90.00	179.08	2,750.00	-1,051.18	72.67	1,052.78	0.00	0.00	0.00
3,700.00	90.00	179.08	2,750.00	-1,151.17	74.28	1,152.77	0.00	0.00	0.00
3,800.00	90.00	179.08	2,750.00	-1,251.16	75.88	1,252.77	0.00	0.00	0.00
3,900.00	90.00	179.08	2,750.00	-1,351.14	77.48	1,352.76	0.00	0.00	0.00
4,000.00	90.00	179.08	2,750.00	-1,451.13	79.08	1,452.75	0.00	0.00	0.00
4,100.00	90.00	179.08	2,750.00	-1,551.12	80.68	1,552.75	0.00	0.00	0.00
4,200.00	90.00	179.08	2,750.00	-1,651.11	82.29	1,652.74	0.00	0.00	0.00
4,300.00	90.00	179.08	2,750.00	-1,751.09	83.89	1,752.74	0.00	0.00	0.00
4,400.00	90.00	179.08	2,750.00	-1,851.08	85.49	1,852.73	0.00	0.00	0.00
4,500.00	90.00	179.08	2,750.00	-1,951.07	87.09	1,952.72	0.00	0.00	0.00
4,600.00	90.00	179.08	2,750.00	-2,051.05	88.70	2,052.72	0.00	0.00	0.00
4,700.00	90.00	179.08	2,750.00	-2,151.04	90.30	2,152.71	0.00	0.00	0.00
4,800.00	90.00	179.08	2,750.00	-2,251.03	91.90	2,252.70	0.00	0.00	0.00
4,900.00	90.00	179.08	2,750.00	-2,351.02	93.50	2,352.70	0.00	0.00	0.00
5,000.00	90.00	179.08	2,750.00	-2,451.00	95.10	2,452.69	0.00	0.00	0.00
5,100.00	90.00	179.08	2,750.00	-2,550.99	96.71	2,552.68	0.00	0.00	0.00
5,200.00	90.00	179.08	2,750.00	-2,650.98	98.31	2,652.68	0.00	0.00	0.00
5,300.00	90.00	179.08	2,750.00	-2,750.96	99.91	2,752.67	0.00	0.00	0.00
5,400.00	90.00	179.08	2,750.00	-2,850.95	101.51	2,852.66	0.00	0.00	0.00
5,500.00	90.00	179.08	2,750.00	-2,950.94	103.12	2,952.66	0.00	0.00	0.00
5,600.00	90.00	179.08	2,750.00	-3,050.93	104.72	3,052.65	0.00	0.00	0.00
5,700.00	90.00	179.08	2,750.00	-3,150.91	106.32	3,152.64	0.00	0.00	0.00
5,800.00	90.00	179.08	2,750.00	-3,250.90	107.92	3,252.64	0.00	0.00	0.00
5,900.00	90.00	179.08	2,750.00	-3,350.89	109.52	3,352.63	0.00	0.00	0.00
6,000.00	90.00	179.08	2,750.00	-3,450.87	111.13	3,452.62	0.00	0.00	0.00
6,100.00	90.00	179.08	2,750.00	-3,550.86	112.73	3,552.62	0.00	0.00	0.00
6,200.00	90.00	179.08	2,750.00	-3,650.85	114.33	3,652.61	0.00	0.00	0.00
6,300.00	90.00	179.08	2,750.00	-3,750.84	115.93	3,752.60	0.00	0.00	0.00
6,400.00	90.00	179.08	2,750.00	-3,850.82	117.54	3,852.60	0.00	0.00	0.00
6,500.00	90.00	179.08	2,750.00	-3,950.81	119.14	3,952.59	0.00	0.00	0.00
6,600.00	90.00	179.08	2,750.00	-4,050.80	120.74	4,052.59	0.00	0.00	0.00
6,700.00	90.00	179.08	2,750.00	-4,150.78	122.34	4,152.58	0.00	0.00	0.00

Planning Report

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Site:	Stonewall 9 Fee 4H	North Reference:	Grid
Well:	Stonewall 9 Fee 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,800.00	90.00	179.08	2,750.00	-4,250.77	123.94	4,252.57	0.00	0.00	0.00	
6,900.00	90.00	179.08	2,750.00	-4,350.76	125.55	4,352.57	0.00	0.00	0.00	
7,000.00	90.00	179.08	2,750.00	-4,450.75	127.15	4,452.56	0.00	0.00	0.00	
7,100.00	90.00	179.08	2,750.00	-4,550.73	128.75	4,552.55	0.00	0.00	0.00	
7,200.00	90.00	179.08	2,750.00	-4,650.72	130.35	4,652.55	0.00	0.00	0.00	
7,300.00	90.00	179.08	2,750.00	-4,750.71	131.96	4,752.54	0.00	0.00	0.00	
7,400.00	90.00	179.08	2,750.00	-4,850.69	133.56	4,852.53	0.00	0.00	0.00	
7,433.81	90.00	179.08	2,750.00	-4,884.50	134.10	4,886.34	0.00	0.00	0.00	
TD @ 7433.81' MD, 2750.00' TVD - PBHL (Stonewall 9 Fee 4H Plan 1)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
hit/miss target										
- Shape										
PBHL (Stonewall 9 Fee 4H)	0.00	0.00	2,750.00	-4,884.50	134.10	606,967.70	485,401.20	32.66864237	-104.38077769	
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
2,272.54	2,272.54	0.00	0.00	KOP - Start Build @ 12.00°/100'	
2,702.67	2,646.81	-179.74	21.24	PP @ 2702.67 MD, 2646.81 TVD, 51.62 INC, 173.26 AZ, 180.25 VS	
3,022.54	2,750.00	-474.17	56.04	Landing Point - Start Turn @ 4.00°/100'	
3,168.09	2,750.00	-619.33	65.75	EOT - Hold @ 179.08° AZ	
7,433.81	2,750.00	-4,884.50	134.10	TD @ 7433.81' MD, 2750.00' TVD	



COG Operating LLC
Stonewall 9 Fee 4H
Eddy County, NM
Plan #1



Surface Location		Ground Elev: 3339.00 WELL @ 3357.00ft (Original Well Elev)			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	611852.20	485267.10	32.68206867	-104.38122063

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL (Stonewall 9 Fee 4H Plan 1)	2750.00	-4884.50	134.10	606967.70	485401.20	32.66864237	-104.38077769

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2272.54	0.00	0.00	2272.54	0.00	0.00	0.00	0.00	0.00	KOP - Start Build @ 12.00°/100'
3	3022.54	90.00	173.26	2750.00	-474.17	56.04	12.00	173.26	475.52	Landing Point - Start Turn @ 4.00°/100'
4	3168.09	90.00	179.08	2750.00	-619.33	65.75	4.00	90.00	620.90	EOT - Hold @ 179.08° AZ
5	7433.81	90.00	179.08	2750.00	-4884.50	134.10	0.00	0.00	4886.34	TD @ 7433.81' MD, 2750.00' TVD



Azimuths to Grid North
True North: 0.03°
Magnetic North: 7.89°

Magnetic Field
Strength: 48701.7snT
Dip Angle: 60.45°
Date: 6/15/2012
Model: IGRF2010

