

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

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

Form C-103
Revised August 1, 2011

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.)		WELL API NO. 30-015-39779
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 550 W Texas Suite 100 Midland, TX 79701		7. Lease Name or Unit Agreement Name Stonewall 9 Fee
4. Well Location Unit Letter <u>A</u> : <u>150</u> feet from the <u>NORTH</u> line and <u>1040</u> feet from the <u>EAST</u> line Section <u>9</u> Township <u>19S</u> Range <u>26E</u> NMPM County <u>EDDY</u>		8. Well Number <u>4H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3339'		9. OGRID Number 229137
		10. Pool name or Wildcat Atoka; Glorieta Yeso 3250

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: Change Cement LOCATION ☒

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 Operating submitted APD for this well at this location:

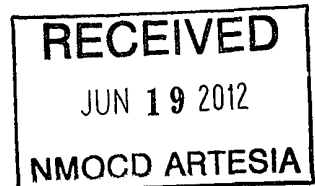
SHL: 150 FNL 1040 FEL, Unit A

BHL: 330 FSL 1040 FEL, Unit P

COG Operating respectfully requests permission to change the BHL of this well to:

SHL: 150 FNL 990 FEL, Unit A

BHL: 330 FSL 990 FEL, Unit P ✓



Reason for change of location is to avoid a Non-Standard Location.

A Revised C-102 and Directional plan is attached for your review.

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 [Signature] TITLE Permitting Tech DATE 6/19/2012

Type or print name Kelly J. Holly E-mail address: kholly@concho.com

PHONE: 432-685-4384

For State Use Only

APPROVED BY:

T.C. Shepard

TITLE

Geologist

DATE

6/19/2012

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
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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, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

RECEIVED
JUN 19 2012
NMOCD ARTESIA

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39779	Pool Code 3250	Pool Name Atoka; Glorieta Yeso
Property Code 38976	Property Name STONEWALL 9 FEE	Well Number 4H
OGRID No 229137	Operator Name COG OPERATING, LLC	Elevation 3339'

Surface Location

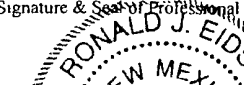
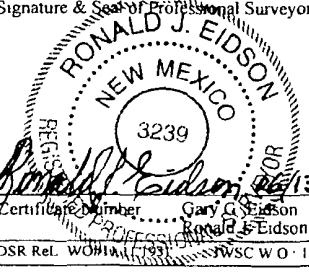
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	9	19-S	26-E		150	NORTH	990	EAST	EDDY

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
P	9	19-S	26-E		330	SOUTH	990	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No
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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

Estimated Completed Interval: 330 FNL+ 969 FEL GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=611852.2 N X=485267.1 E LAT.=32.682072° N LONG.=104.381217° W BOTTOM HOLE LOCATION Y=606967.7 N X=485401.2 E CORNER COORDINATES A) Y=612000.1 N; X=484939.5 E B) Y=612008.6 N; X=486253.0 E C) Y=606638.7 N; X=486400.3 E D) Y=606637.4 N; X=485078.0 E	Producing Area Project Area GRID AZ=178°25'39" HORIZ. DIST.=4887.8' B.H. 330'	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.  6-19-12 Signature Date Kelly J. Holly Printed Name kholly@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 June 4, 2012 Date of Survey  Professional Surveyor Signature & Seal of Professional Surveyor  3239 Certificate Number 12641 Gary G. Eidson 3239 Ronald J. Eidson DSR Rel. W.O. 11/1/93 WSC W.O. 12/11/014

COG Operating LLC

Eddy County, NM

Stonewall 9 Fee 4H

Stonewall 9 Fee 4H

Wellbore #1

Plan: Plan #1

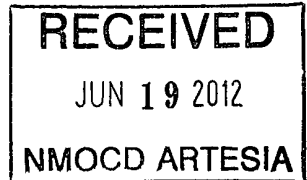
Surface: 150' FNL, 990' FEL, Sec 9, T19S, R26E, Unit A

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
Company: COG Operating LLC
Project: Eddy County, NM
Site: Stonewall 9 Fee 4H
Well: Stonewall 9 Fee 4H
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Site Stonewall 9 Fee 4H
TVD Reference: WELL @ 3357.00ft (Original Well Elev)
MD Reference: WELL @ 3357.00ft (Original Well Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature

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:		Northing:	611,852.20 ft	Latitude:	32.68206866
From:	Map	Easting:	485,267.10 ft	Longitude:	-104.38122063
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.03 °

Well	Stonewall 9 Fee 4H					
Well Position	+N/-S	0.00 ft	Northing:	611,852.20 ft	Latitude:	32.68206866
	+E/-W	0.00 ft	Easting:	485,267.10 ft	Longitude:	-104.38122063
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,339.00 ft

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

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	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)	TPO (°)	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
 Company: COG Operating LLC
 Project: Eddy County, NM
 Site: Stonewall 9 Fee 4H
 Well: Stonewall 9 Fee 4H
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference: Site Stonewall 9 Fee 4H
 TVD Reference: WELL @ 3357 00ft (Original Well Elev)
 MD Reference: WELL @ 3357 00ft (Original Well Elev)
 North Reference: Grd
 Survey Calculation Method: Minimum Curvature

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

Database: Houston R5000 Database
 Company: COG Operating LLC
 Project: Eddy County, NM
 Site: Stonewall 9 Fee 4H
 Well: Stonewall 9 Fee 4H
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference: Site Stonewall 9 Fee 4H
 TVD Reference: WELL @ 3357 00ft (Original Well Elev)
 MD Reference: WELL @ 3357 00ft (Original Well Elev)
 North Reference: Gnd
 Survey Calculation Method: Minimum Curvature

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

- hit/miles target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- 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		Comment
		+N-S (ft)	+E-W (ft)	
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
PBHL (Stonewall 9 Fee 4H Plan 1)	2750.00	-4884.50	134.10	606967.70	485401.20	32.68894237

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFac	VFact	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	173.28	2750.00	-474.17	56.64	12.00	173.28	475.52	Landing Point - Start Turn @ 4.00°/100'
4	3168.09	90.00	179.08	2750.00	-619.33	85.75	4.00	90.00	620.99	EDT - 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

