

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. 30-015-39778
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 2H
9. OGRID Number 229137
10. Pool name or Wildcat Atoka; Glorieta-Yeso 3250

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 **C** : **150** feet from the **NORTH** line and **1700** feet from the **WEST** line
Section **9** Township **19S** Range **26E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3346'

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 TVD**

☒

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 LLC respectfully requests permission to change TVD:

FROM: 2750'

TO: 3200'

A revised directional plan is attached for your review.

Spud Date:

Rig Release Date:

RECEIVED

JAN 14 2013

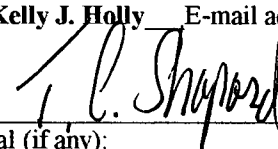
NMOCD ARTESIA

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

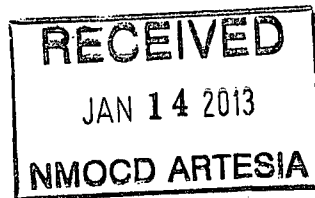
SIGNATURE  TITLE **Permitting Tech** DATE **01/10/2013**

Type or print name **Kelly J. Holly** E-mail address: **kholly@concho.com** PHONE: **432-685-4384**

For State Use Only

APPROVED BY:  TITLE **Geologist** DATE **1/14/2013**

Conditions of Approval (if any):



Concho

**Eddy County, New Mexico (Nad27)
Stonewall 9 Fee 2H**

Wellbore #1

Plan: Plan 1 01-07-13

Surface: 150' FNL, 1700' FWL, Sec 9, T19S, R26E, Unit C

PP: 330' FNL, 1700' FWL, Sec 9, T19S, R26E, Unit C

BHL: 330' FSL, 1700' FWL, Sec 9, T19S, R26E, Unit N

Standard Planning Report

09 January, 2013



Phoenix Planning Report

Database:	GCR-DB	Local Co-ordinate Reference:	Well Stonewall 9 Fee 2H
Company:	Concho	TVD Reference:	WELL @ 3360.00usft (Original Well Elev)
Project:	Eddy County New Mexico (Nad27)	MD Reference:	WELL @ 3360.00usft (Original Well Elev)
Site:	Stonewall 9 Fee	North Reference:	Grid
Well:	Stonewall 9 Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1 01-07-13		

Project	Eddy County New Mexico (Nad27)		
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		
Site Position:		Northing:	611,835.50 usft
From:	Map	Easting:	482,702.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 40' 55.2816 N
		Longitude:	104° 23' 22.3959 W
		Grid Convergence:	-0.03 °

Well	Stonewall 9 Fee 2H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level:
			3,346.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010_14	01/07/13	7.80
			Dip Angle
			(°)
			Field Strength
			(nT)
			48,645

Design	Plan 1 01-07-13		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			178.80

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,527.00	0.00	0.00	2,527.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,327.00	88.00	178.80	3,047.55	-502.58	10.55	11.00	11.00	0.00	178.80	
7,698.34	88.00	178.80	3,200.11	-4,870.30	102.20	0.00	0.00	0.00	0.00	BHL Stonewall 9 Fee



Phoenix
Planning Report

Database:	GCR DB	Local Co-ordinate Reference:	Well Stonewall 9 Fee 2H
Company:	Concho	TVD Reference:	WELL @ 3360.00usft (Original Well Elev)
Project:	Eddy County, New Mexico (Nad27)	MD Reference:	WELL @ 3360.00usft (Original Well Elev)
Site:	Stonewall 9 Fee	North Reference:	Grid
Well:	Stonewall 9 Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1 01-07-13		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,527.00	0.00	0.00	2,527.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 11:00									
2,600.00	8.03	178.80	2,599.76	-5.11	0.11	5.11	11.00	11.00	0.00
2,700.00	19.03	178.80	2,696.84	-28.46	0.60	28.47	11.00	11.00	0.00
2,800.00	30.03	178.80	2,787.67	-69.91	1.47	69.92	11.00	11.00	0.00
2,900.00	41.03	178.80	2,868.93	-127.92	2.68	127.94	11.00	11.00	0.00
2,973.66	49.13	178.80	2,920.90	-180.02	3.78	180.06	11.00	11.00	0.00
PP Stonewall 9 Fee 2H									
3,000.00	52.03	178.80	2,937.62	-200.36	4.20	200.41	11.00	11.00	0.00
3,100.00	63.03	178.80	2,991.22	-284.58	5.97	284.64	11.00	11.00	0.00
3,200.00	74.03	178.80	3,027.77	-377.48	7.92	377.56	11.00	11.00	0.00
3,300.00	85.03	178.80	3,045.91	-475.64	9.98	475.75	11.00	11.00	0.00
3,327.00	88.00	178.80	3,047.55	-502.58	10.55	502.69	11.00	11.00	0.00
LP Start 4371.34 hold at 3327.00 MD									
3,400.00	88.00	178.80	3,050.10	-575.52	12.08	575.65	0.00	0.00	0.00
3,500.00	88.00	178.80	3,053.59	-675.44	14.17	675.59	0.00	0.00	0.00
3,600.00	88.00	178.80	3,057.08	-775.36	16.27	775.53	0.00	0.00	0.00
3,700.00	88.00	178.80	3,060.57	-875.27	18.37	875.47	0.00	0.00	0.00
3,800.00	88.00	178.80	3,064.06	-975.19	20.46	975.41	0.00	0.00	0.00
3,900.00	88.00	178.80	3,067.55	-1,075.11	22.56	1,075.34	0.00	0.00	0.00
4,000.00	88.00	178.80	3,071.04	-1,175.03	24.66	1,175.28	0.00	0.00	0.00
4,100.00	88.00	178.80	3,074.53	-1,274.94	26.75	1,275.22	0.00	0.00	0.00
4,200.00	88.00	178.80	3,078.02	-1,374.86	28.85	1,375.16	0.00	0.00	0.00
4,300.00	88.00	178.80	3,081.51	-1,474.78	30.95	1,475.10	0.00	0.00	0.00
4,400.00	88.00	178.80	3,085.00	-1,574.69	33.04	1,575.04	0.00	0.00	0.00
4,500.00	88.00	178.80	3,088.49	-1,674.61	35.14	1,674.98	0.00	0.00	0.00
4,600.00	88.00	178.80	3,091.98	-1,774.53	37.24	1,774.92	0.00	0.00	0.00
4,700.00	88.00	178.80	3,095.47	-1,874.44	39.33	1,874.86	0.00	0.00	0.00
4,800.00	88.00	178.80	3,098.96	-1,974.36	41.43	1,974.80	0.00	0.00	0.00
4,900.00	88.00	178.80	3,102.45	-2,074.28	43.53	2,074.74	0.00	0.00	0.00
5,000.00	88.00	178.80	3,105.94	-2,174.20	45.62	2,174.67	0.00	0.00	0.00
5,100.00	88.00	178.80	3,109.43	-2,274.11	47.72	2,274.61	0.00	0.00	0.00
5,200.00	88.00	178.80	3,112.92	-2,374.03	49.82	2,374.55	0.00	0.00	0.00
5,300.00	88.00	178.80	3,116.41	-2,473.95	51.91	2,474.49	0.00	0.00	0.00
5,400.00	88.00	178.80	3,119.90	-2,573.86	54.01	2,574.43	0.00	0.00	0.00
5,500.00	88.00	178.80	3,123.39	-2,673.78	56.11	2,674.37	0.00	0.00	0.00
5,600.00	88.00	178.80	3,126.88	-2,773.70	58.20	2,774.31	0.00	0.00	0.00
5,700.00	88.00	178.80	3,130.37	-2,873.62	60.30	2,874.25	0.00	0.00	0.00
5,800.00	88.00	178.80	3,133.86	-2,973.53	62.40	2,974.19	0.00	0.00	0.00
5,900.00	88.00	178.80	3,137.35	-3,073.45	64.49	3,074.13	0.00	0.00	0.00
6,000.00	88.00	178.80	3,140.84	-3,173.37	66.59	3,174.07	0.00	0.00	0.00
6,100.00	88.00	178.80	3,144.33	-3,273.28	68.69	3,274.00	0.00	0.00	0.00
6,200.00	88.00	178.80	3,147.82	-3,373.20	70.78	3,373.94	0.00	0.00	0.00
6,300.00	88.00	178.80	3,151.31	-3,473.12	72.88	3,473.88	0.00	0.00	0.00
6,400.00	88.00	178.80	3,154.80	-3,573.04	74.98	3,573.82	0.00	0.00	0.00
6,500.00	88.00	178.80	3,158.29	-3,672.95	77.07	3,673.76	0.00	0.00	0.00
6,600.00	88.00	178.80	3,161.78	-3,772.87	79.17	3,773.70	0.00	0.00	0.00
6,700.00	88.00	178.80	3,165.27	-3,872.79	81.27	3,873.64	0.00	0.00	0.00
6,800.00	88.00	178.80	3,168.76	-3,972.70	83.36	3,973.58	0.00	0.00	0.00
6,900.00	88.00	178.80	3,172.25	-4,072.62	85.46	4,073.52	0.00	0.00	0.00
7,000.00	88.00	178.80	3,175.74	-4,172.54	87.56	4,173.46	0.00	0.00	0.00
7,100.00	88.00	178.80	3,179.23	-4,272.45	89.65	4,273.40	0.00	0.00	0.00



Phoenix
Planning Report

Database:	GCR DB	Local Co-ordinate Reference:	Well Stonewall 9 Fee 2H
Company:	Concho	TVD Reference:	WELL @ 3360.00usft (Original Well Elev)
Project:	Eddy County, New Mexico (Nad27)	MD Reference:	WELL @ 3360.00usft (Original Well Elev)
Site:	Stonewall 9 Fee	North Reference:	Grid
Well:	Stonewall 9 Fee 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1 01-07-13		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,200.00	88.00	178.80	3,182.72	-4,372.37	91.75	4,373.33	0.00	0.00	0.00
7,300.00	88.00	178.80	3,186.21	-4,472.29	93.85	4,473.27	0.00	0.00	0.00
7,400.00	88.00	178.80	3,189.70	-4,572.21	95.94	4,573.21	0.00	0.00	0.00
7,500.00	88.00	178.80	3,193.19	-4,672.12	98.04	4,673.15	0.00	0.00	0.00
7,600.00	88.00	178.80	3,196.68	-4,772.04	100.14	4,773.09	0.00	0.00	0.00
7,698.34	88.00	178.80	3,200.11	-4,870.30	102.20	4,871.37	0.00	0.00	0.00
TD at 7698.34 - BHL Stonewall 9 Fee 2H									

Design Targets									
Target Name	hit/miss, target Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
PP Stonewall 9 Fee 2H	- plan hits target center	0.00	360.00	2,920.88	-180.00	3.78	611,655.50	482,705.78	32° 40' 53.5004 N 104° 23' 22.3506 W
	- Point								
BHL Stonewall 9 Fee 2H	- plan hits target center	0.00	360.00	3,200.11	-4,870.30	102.20	606,965.20	482,804.20	32° 40' 7.0873 N 104° 23' 21.1701 W
	- Point								

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,527.00	2,527.00	0.00	0.00	KOP, Start Build 11.00
3,327.00	3,047.55	-502.58	10.55	LP, Start 4371.34 hold at 3327.00 MD
7,698.34	3,200.11	-4,870.30	102.20	TD at 7698.34

Concho

Project: Eddy County, New Mexico (Nad27)
Site: Stonewall 9 Fee
Well: Stonewall 9 Fee 2H
Wellbore: Wellbore #1
Plan: Plan 1 01-07-13
Rig: UDI 40



WELL DETAILS: Stonewall 9 Fee 2H

Ground Level: 3346.00
Northing 611835.50 Easting 482702.00 Latitude 32° 40' 55.2816 N Longitude 104° 23' 22.3959 W

FORMATION TOP DETAILS

No formation data is available

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2527.00	0.00	0.00	2527.00	0.00	0.00	0.00	0.00	0.00
3327.00	88.00	178.80	3047.55	-502.58	10.55	11.00	178.80	502.59
7698.34	88.00	178.80	3200.11	-4870.30	102.20	0.00	0.00	4871.37

BHL Stonewall 9 Fee 2H

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
PP Stonewall 9 Fee 2H	2527.00	-180.00	3.78	611835.50	482705.78	Point
BHL Stonewall 9 Fee 2H 3200.11	3200.11	-4870.30	102.20	608965.20	482804.20	Point

ANNOTATIONS

TVD	MD	Annotation
2527.00	2527.00	KOP, Start Build 11.00
3047.55	3327.00	LP, Start 4371.34 hold at 3327.00 MD
3200.11	7698.34	TD at 7698.34

PROJECT DETAILS: Eddy County, New Mexico (Nad27)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Location North: Grid

