

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

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

WELL API NO. 30-015-40056
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name TARPAN 33 FEE
8. Well Number 1H
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

550 W. Texas Ave., Suite 100 Midland, TX 79701

4. Well Location

Unit Letter M : 150 feet from the South line and 380 feet from the West line
Section 33 Township 18S Range 26E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3374' GR

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: Changing Location ☒

OTHER:

Change Property Code ☐

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG permitted this well at this location:

SHL: 150' FSL, 380 FWL, Sec 33, T18E, R26E, Unit M

BHL: 330 FNL, 380 FWL, Sec 33, T18S, R26E, Unit D

COG Operating LLC respectfully request permission to move this location to:

SHL: 150' FSL, 890 FWL, Sec 33, T18S, R26E, Unit M

BHL: 330 FNL, 380 FWL, Sec 33, T18S, R26E, Unit D

The move of the surface location is due to surface restrictions.

Attached for your review is a new C-102 and Directional Plan.

Spud Date:

Rig Release Date:

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

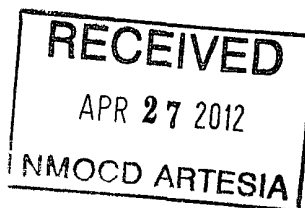
SIGNATURE Kacie Connally TITLE Permitting Tech DATE 04/26/12

Type or print name Kacie Connally E-mail address: kconnally@concho.com PHONE: 432-221-0336

For State Use Only

APPROVED BY: AKDade TITLE Dist. J. Super DATE 05/09/12

Conditions of Approval (if any):



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
1220 S. St. Francis Dr., Santa Fe, NM 87505
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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40056	Pool Code 3250	Pool Name Atoka; Glorieta-Yeso
Property Code 39124	Property Name TARPAN 33 FEE	Well Number 1H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3376'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	18-S	26-E		150	SOUTH	890	WEST	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
D	33	18-S	26-E		330	NORTH	380	WEST	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

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=617388.5 N X=481863.2 E LAT.=32.697285° N LONG.=104.392291° W BOTTOM HOLE LOCATION Y=622233.2 N X=481345.0 E	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. <i>Kacie Connally</i> 4-26-12 Signature Date Kacie Connally Printed Name Kconnally@concho.com E-mail Address
	CORNER COORDINATES TABLE Ⓐ - Y=622564.8 N, X=480964.6 E Ⓑ - Y=622558.9 N, X=482293.1 E Ⓒ - Y=617232.9 N, X=480973.6 E Ⓓ - Y=617241.1 N, X=482293.4 E	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 5, 2012 Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 4/24/2012 Certificate Number Gary C. Eidson 12641 Ronald J. Eidson 3239 AF JWSC W.O. 12.11.0740

COG Operating LLC

Eddy County, NM

Tarpan 33 Fee 1H

Tarpan 33 Fee 1H

Wellbore #1

Surface: 150' FSL, 890' FWL, Sec 33, T18S, R26E, Unit M

BHL: 330' FNL, 380' FWL, Sec 33, T18S, R26E, Unit D

PP: 330' FSL, 868' FWL, Sec 33, T18S, R26E, Unit M

Plan: Plan #1

Standard Planning Report

26 April, 2012

Crescent Directional Drilling

Planning Report

Database:	R5000 Houston DB	Local Co-ordinate Reference:	Site Tarpan 33 Fee 1H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3394 00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3394 00ft (Original Well Elev)
Site:	Tarpan 33 Fee 1H	North Reference:	Grid
Well:	Tarpan 33 Fee 1H	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:	Tarpan 33 Fee 1H		
Site Position:	From: Map	Northing:	617,388 50 ft
		Easting:	481,863 20 ft
Position Uncertainty:	0 00 ft	Slot Radius:	13 200 in
		Latitude:	32° 41' 50 22 N
		Longitude:	104° 23' 32 26 W
		Grid Convergence:	-0 03 °

Well:	Tarpan 33 Fee 1H		
Well Position	+N/-S	0 00 ft	Northing:
	+E/-W	0 00 ft	Easting:
Position Uncertainty	0 00 ft	Wellhead Elevation:	Ground Level:
			3,376 00 ft

Wellbore:	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	4/26/2012	7 89
			Dip Angle
			(°)
			60 46
			Field Strength
			(nT)
			48,723

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
			(°)
			353 89

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
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	353 89	2,750 00	474 76	-50 78	12 00	12 00	0 00	353 89	
7,417 41	90 00	353 89	2,750 00	4,844 70	-518 20	0 00	0 00	0 00	0 00	PBHL (Tarpan 33 Fee

Crescent Directional Drilling

Planning Report

Database:	R5000 Houston DB	Local Co-ordinate Reference:	Site Tarpan 33 Fee 1H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3394.00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3394.00ft (Original Well Elev)
Site:	Tarpan 33 Fee 1H	North Reference:	Grid
Well:	Tarpan 33 Fee 1H	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'									
2,702.71	51.62	353.89	2,646.83	180.00	-19.25	181.03	12.00	12.00	0.00
PP @ 2702.71 MD, 2646.83 TVD, 51.62 INC, 353.89 AZ, 181.03 VS									
3,022.54	90.00	353.89	2,750.00	474.76	-50.78	477.46	12.00	12.00	0.00
Landing Point - Hold @ 90.00° INC, 353.89° AZ									
7,417.41	90.00	353.89	2,750.00	4,844.70	-518.20	4,872.34	0.00	0.00	0.00
TD @ 7417.41' MD, 2750.00' TVD - PBHL (Tarpan 33 Fee 1H 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 (Tarpan 33 Fee 1H)	0.00	360.00	2,750.00	4,844.70	-518.20	622,233.20	481,345.00	32° 42' 38.15 N	104° 23' 38.35 W
- 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'
2,702.71	2,646.83	180.00	-19.25		PP @ 2702.71 MD, 2646.83 TVD, 51.62 INC, 353.89 AZ, 181.03 VS
3,022.54	2,750.00	474.76	-50.78		Landing Point - Hold @ 90.00° INC, 353.89° AZ
7,417.41	2,750.00	4,844.70	-518.20		TD @ 7417.41' MD, 2750.00' TVD



COG Operating LLC
Tarpan 33 Fee 1H
Eddy County, NM
Plan #1



Surface Location		Ground Elev: 3376.00 WELL @ 3394.00ft (Original Well Elev)				
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	617388.50	481863.20	32° 41' 50.22 N	104° 23' 32.26 W	

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL (Tarpan 33 Fee 1H Plan 1)	2750.00	4844.70	-518.20	622233.20	481345.00	32° 42' 38.15 N	104° 23' 38.35 W

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	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	353.89	2750.00	474.76	-50.78	12.00	353.89	477.46	Landing Point - Hold @ 90.00° INC, 353.89° AZ	
4	7417.41	90.00	353.89	2750.00	4844.70	-518.20	0.00	0.00	4872.34	TD @ 7417.41' MD, 2750.00' TVD	

