

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

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. 30-015-40058
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 Pinto 36 State Com
4. Well Location Unit Letter P : 150 feet from the South line and 1040 feet from the East line Section 36 Township 18S Range 25E NMPM County EDDY		8. Well Number 4H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3456' GR		9. OGRID Number 229137
		10. Pool name or Wildcat Penasco Draw; SA-Yeso (Assoc)

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 BHL**

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 FSL 1040 FEL, Unit P

BHL: 330 FNL 1040 FEL, Unit A

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

SHL: 150 FSL 1040 FEL, Unit P

BHL: 330 FNL 990 FEL, Unit A

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

A revised C-102 and Directional Plan is attached for your review.

RECEIVED

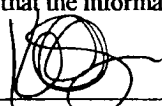
AUG 03 2012

NMOCD ARTESIA

Spud Date:

Rig Release Date:

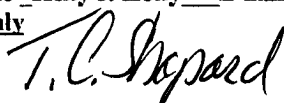
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE **Permitting Tech** DATE **08/03/2012**

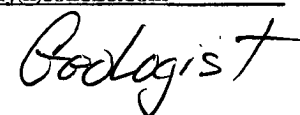
Type or print name **Kelly J. Holly** E-mail address: **kholly@concho.com** PHONE: **432-685-4384**

For State Use Only

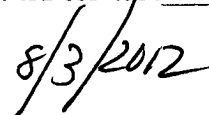
APPROVED BY:



TITLE



DATE



COG Operating LLC

Eddy County, NM

Pinto 36 State Com 4H

Pinto 36 State Com 4H

Wellbore #1

Plan: Plan #2

Surface: 150' FSL, 1040' FEL, Sec 36, T18S, R25E, Unit P

BHL: 340' FNL, 940' FEL, Sec 36, T18S, R25E, Unit

PP: 330' FSL, 990' FEL, Sec 36, T18S, R25E, Unit P

Standard Planning Report

31 July, 2012



Planning Report

Database: Houston R5000 Database
Company: COG Operating LLC
Project: Eddy County, NM
Site: Pinto 36 State Com 4H
Well: Pinto 36 State Com 4H
Wellbore: Wellbore #1
Design: Plan #2

Local Co-ordinate Reference: Site Pinto 36 State Com 4H
TVD Reference: WELL @ 3469 00ft (JW #4)
WID Reference: WELL @ 3469 00ft (JW #4)
North Reference: Grid
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	Pinto 36 State Com 4H			
Site Position:		Northing:	617,389 400 ft	Latitude: 32.697259
From:	Map	Easting:	469,515 200 ft	Longitude: -104.432434
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: -0.05 °

Well	Pinto 36 State Com 4H			
Well Position	+N-S	0.00 ft	Northing: 617,389 400 ft	Latitude: 32.697259
	+E-W	0.00 ft	Easting: 469,515 200 ft	Longitude: -104.432434
Position Uncertainty	0.00 ft	Wellhead Elevation:		Ground Level: 3,456.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/31/2012	7.88	60.45	48,692

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	1.35

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	
1,908.10	0.00	0.00	1,908.10	0.00	0.00	0.00	0.00	0.00	0.00	
2,737.19	91.20	10.84	2,428.86	522.29	100.01	11.00	11.00	0.00	10.84	
3,012.54	91.20	359.82	2,423.07	795.96	125.55	4.00	0.00	-4.00	-89.89	
7,027.47	91.20	359.82	2,339.04	4,810.00	113.20	0.00	0.00	0.00	0.00	PEHL (Pinto 36 State)

Planning Report

Database: Houston R5000 Database
 Company: COG Operating LLC
 Project: Eddy County, NM
 Site: Pinto 36 State Com 4H
 Well: Pinto 36 State Com 4H
 Wellbore: Wellbore #1
 Design: Plan #2

Local Co-ordinate Reference: Site Pinto 36 State Com 4H
 TVD Reference: WELL @ 3469 00ft (JW #4)
 MD Reference: WELL @ 3469 00ft (JW #4)
 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)
1,908.10	0.00	0.00	1,908.10	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Start Build @ 11.00°/100'									
2,000.00	10.11	10.84	1,999.52	7.94	1.52	7.98	11.00	11.00	0.00
2,100.00	21.11	10.84	2,095.69	34.33	6.57	34.47	11.00	11.00	0.00
2,200.00	32.11	10.84	2,184.96	78.25	14.98	78.58	11.00	11.00	0.00
2,300.00	43.11	10.84	2,264.06	138.10	26.44	138.68	11.00	11.00	0.00
2,358.99	49.60	10.84	2,304.75	180.00	34.47	180.76	11.00	11.00	0.00
PP @ 2358.99 MD, 2304.75 TVD, 49.60 INC, 10.84 AZ, 180.76 VS									
2,400.00	54.11	10.84	2,330.07	211.67	40.53	212.56	11.00	11.00	0.00
2,500.00	65.11	10.84	2,380.59	296.26	56.73	297.51	11.00	11.00	0.00
2,600.00	76.11	10.84	2,413.74	388.76	74.44	390.40	11.00	11.00	0.00
2,700.00	87.11	10.84	2,428.31	485.77	93.02	487.83	11.00	11.00	0.00
2,737.19	91.20	10.84	2,428.86	522.29	100.01	524.50	11.00	11.00	0.00
Landing Point - Start Turn @ 4.00°/100'									
2,800.00	91.20	8.33	2,427.54	584.20	110.46	586.64	4.00	0.01	-4.00
2,900.00	91.21	4.33	2,425.44	683.55	121.48	686.22	4.00	0.00	-4.00
3,000.00	91.20	0.33	2,423.34	783.43	125.54	786.16	4.00	0.00	-4.00
3,012.54	91.20	359.82	2,423.07	795.96	125.55	798.70	4.00	-0.01	-4.00
EOT - Hold @ 359.82° AZ									
3,100.00	91.20	359.82	2,421.24	883.41	125.28	886.11	0.00	0.00	0.00
3,200.00	91.20	359.82	2,419.15	983.38	124.97	986.05	0.00	0.00	0.00
3,300.00	91.20	359.82	2,417.06	1,083.36	124.67	1,085.99	0.00	0.00	0.00
3,400.00	91.20	359.82	2,414.96	1,183.34	124.36	1,185.94	0.00	0.00	0.00
3,500.00	91.20	359.82	2,412.87	1,283.32	124.05	1,285.88	0.00	0.00	0.00
3,600.00	91.20	359.82	2,410.78	1,383.29	123.74	1,385.82	0.00	0.00	0.00
3,700.00	91.20	359.82	2,408.68	1,483.27	123.44	1,485.77	0.00	0.00	0.00
3,800.00	91.20	359.82	2,406.59	1,583.25	123.13	1,585.71	0.00	0.00	0.00
3,900.00	91.20	359.82	2,404.50	1,683.23	122.82	1,685.65	0.00	0.00	0.00
4,000.00	91.20	359.82	2,402.40	1,783.20	122.51	1,785.59	0.00	0.00	0.00
4,100.00	91.20	359.82	2,400.31	1,883.18	122.21	1,885.54	0.00	0.00	0.00
4,200.00	91.20	359.82	2,398.22	1,983.16	121.90	1,985.48	0.00	0.00	0.00
4,300.00	91.20	359.82	2,396.13	2,083.14	121.59	2,085.42	0.00	0.00	0.00
4,400.00	91.20	359.82	2,394.03	2,183.11	121.28	2,185.36	0.00	0.00	0.00
4,500.00	91.20	359.82	2,391.94	2,283.09	120.98	2,285.31	0.00	0.00	0.00
4,600.00	91.20	359.82	2,389.85	2,383.07	120.67	2,385.25	0.00	0.00	0.00
4,700.00	91.20	359.82	2,387.75	2,483.05	120.36	2,485.19	0.00	0.00	0.00
4,800.00	91.20	359.82	2,385.66	2,583.03	120.05	2,585.13	0.00	0.00	0.00
4,900.00	91.20	359.82	2,383.57	2,683.00	119.74	2,685.08	0.00	0.00	0.00
5,000.00	91.20	359.82	2,381.47	2,782.98	119.44	2,785.02	0.00	0.00	0.00
5,100.00	91.20	359.82	2,379.38	2,882.96	119.13	2,884.96	0.00	0.00	0.00
5,200.00	91.20	359.82	2,377.29	2,982.94	118.82	2,984.91	0.00	0.00	0.00
5,300.00	91.20	359.82	2,375.19	3,082.91	118.51	3,084.85	0.00	0.00	0.00
5,400.00	91.20	359.82	2,373.10	3,182.89	118.21	3,184.79	0.00	0.00	0.00
5,500.00	91.20	359.82	2,371.01	3,282.87	117.90	3,284.73	0.00	0.00	0.00
5,600.00	91.20	359.82	2,368.91	3,382.85	117.59	3,384.68	0.00	0.00	0.00
5,700.00	91.20	359.82	2,366.82	3,482.82	117.28	3,484.62	0.00	0.00	0.00
5,800.00	91.20	359.82	2,364.73	3,582.80	116.98	3,584.56	0.00	0.00	0.00
5,900.00	91.20	359.82	2,362.64	3,682.78	116.67	3,684.50	0.00	0.00	0.00
6,000.00	91.20	359.82	2,360.54	3,782.76	116.36	3,784.45	0.00	0.00	0.00
6,100.00	91.20	359.82	2,358.45	3,882.73	116.05	3,884.39	0.00	0.00	0.00
6,200.00	91.20	359.82	2,356.36	3,982.71	115.75	3,984.33	0.00	0.00	0.00
6,300.00	91.20	359.82	2,354.26	4,082.69	115.44	4,084.28	0.00	0.00	0.00
6,400.00	91.20	359.82	2,352.17	4,182.67	115.13	4,184.22	0.00	0.00	0.00
6,500.00	91.20	359.82	2,350.08	4,282.64	114.82	4,284.16	0.00	0.00	0.00

Planning Report

Database: Houston R5000 Database
 Company: COG Operating LLC
 Project: Eddy County, NM
 Site: Pinto 36 State Corn 4H
 Well: Pinto 36 State Corn 4H
 Wellbore: Wellbore #1
 Design: Plan #2

Local Co-ordinate Reference: Site Pinto 36 State Corn 4H
 TVD Reference: WELL @ 3469.00ft (JW #4)
 MD Reference: WELL @ 3469.00ft (JW #4)
 North Reference: Grid
 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)
6,600.00	91.20	359.82	2,347.98	4,382.62	114.52	4,384.10	0.00	0.00	0.00
6,700.00	91.20	359.82	2,345.89	4,482.60	114.21	4,484.05	0.00	0.00	0.00
6,800.00	91.20	359.82	2,343.80	4,582.58	113.90	4,583.99	0.00	0.00	0.00
6,900.00	91.20	359.82	2,341.70	4,682.56	113.59	4,683.93	0.00	0.00	0.00
7,000.00	91.20	359.82	2,339.61	4,782.53	113.28	4,783.87	0.00	0.00	0.00
7,027.47	91.20	359.82	2,339.04	4,810.00	113.20	4,811.33	0.00	0.00	0.00

TD @ 7027.47' MD, 2339.04' TVD - PBHL (Pinto 36 State Corn 4H Plan 2)

Design Targets

Target Name

- Hit/miss target
- Shape

Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
0.00	360.00	2,339.04	4,810.00	113.20	622,199.400	469,628.400	32.710481	-104.432080

PBHL (Pinto 36 State Corn 4H)
 - plan hits target center
 - Point

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N-S (ft)	+E-W (ft)	
1,908.10	1,908.10	0.00	0.00	KOP - Start Build @ 11.00°/100'
2,358.99	2,304.75	180.00	34.47	PP @ 2358.99 MD, 2304.75 TVD, 49.60 INC, 10.84 AZ, 180.76 VS
2,737.19	2,428.86	522.29	100.01	Landing Point - Start Turn @ 4.00°/100'
3,012.54	2,423.07	795.96	125.55	EOT - Hold @ 359.82° AZ
7,027.47	2,339.04	4,810.00	113.20	TD @ 7027.47' MD, 2339.04' TVD

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 30-015-40058	Pool Code 50270	Pool Name Penasco Draw-SA-Yeso (assoc)
Property Code 38979	Property Name PINTO 36 STATE COM	
OGRID No 229137	Operator Name COG OPERATING, LLC	Well Number 4H
		Elevation 3456'

Surface Location

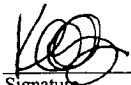
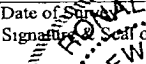
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	18-S	25-E		150	SOUTH	1040	EAST	EDDY

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
A	36	18-S	25-E		330	NORTH	990	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No
160			

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

RECEIVED AUG 03 2012 NMOCD ARTESIA GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=617389.4 N X=469515.2 E LAT.=32.697263° N LONG.=104.432430° W BOTTOM HOLE LOCATION Y=622209.4 N X=469578.4 E CORNER COORDINATES TABLE A) Y=622542.1 N; X=469248.3 E B) Y=622530.7 N; X=470569.0 E C) Y=617246.0 N; X=469210.7 E D) Y=617216.7 N; X=470554.5 E Estimated Completed Interval: 330 FSL+ 990 FEL	330' B.H. 990' GRID. AZ = 0°45'04" HORIZ. DIST = 4821.7' Producing Area Project Area 150' OS.L. 1040'	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.  8-2-12 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. JANUARY 17, 2012 Date of Survey  NEW MEXICO Registered Professional Surveyor 3239 01/30/2012 Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239	
	DSR Rel WO# 111.2566 JWSC W.O 12 13 1370	