

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC064222
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-685-4384		8. Well Name and No. MUNDS 1 FEDERAL COM LBB 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T17S R29E Lot 1 890FNL 295FEL 32.868220 N Lat, 104.020082 W Lon		9. API Well No. 30-015-41565-00-X1
		10. Field and Pool, or Exploratory EMPIRE
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests to change the TVD and name of this well:

FROM: Munds 1 Federal Com LBB #2H

TO: Munds 1 Federal Com PDK #2H 313346

FROM: 5328' TVD; 9831' MD

TO: 4578' TVD; 9081' MD

Attached is the revised C-102 and directional plan.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 06 2014

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #247136 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by CATHY QUEEN on 05/28/2014 (14CQ0047SE)

Name (Printed/Typed) KELLY J HOLLY

Title PERMITTING TECH

Signature (Electronic Submission)

Date 05/28/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

COG OPERATING, LLC

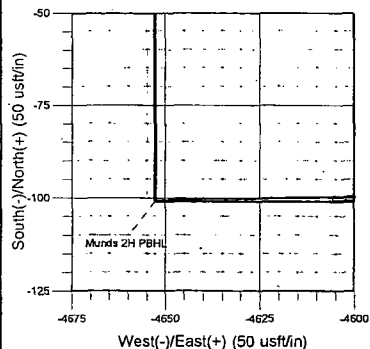
Field: Eddy County, NM
Site: Munds 1 Federal Com PDK 2H
Well: 2H
Wellbore: Lateral
Plan: Plan #4

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4129.21	0.00	0.00	4129.21	0.00	0.00	0.00	0.00	0.00	
3	4956.48	91.00	268.76	4650.00	-11.49	-529.84	11.00	268.76	529.96	
4	9080.98	91.00	268.76	4578.02	-100.89	-4652.74	0.00	0.00	4653.83	Munds 2H PBHL

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Munds 2H PP	0.00	-0.76	-34.95	679711.74	596145.25	32° 52' 5.59 N	104° 1' 12.71 W	Point
Munds 2H Surface	0.00	0.00	0.00	679712.50	596180.20	32° 52' 5.59 N	104° 1' 12.30 W	Point
Munds 2H PBHL	4578.02	-100.89	-4652.74	679611.61	591527.46	32° 52' 4.73 N	104° 2' 6.85 W	Point



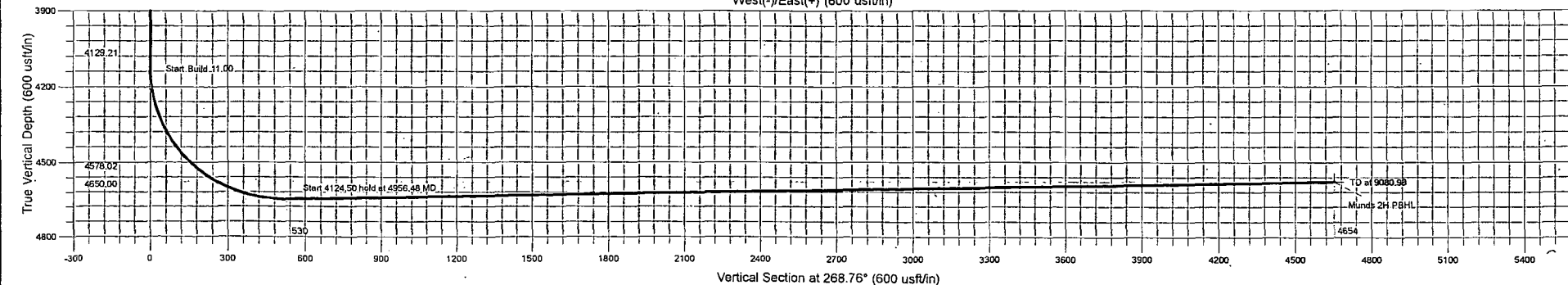
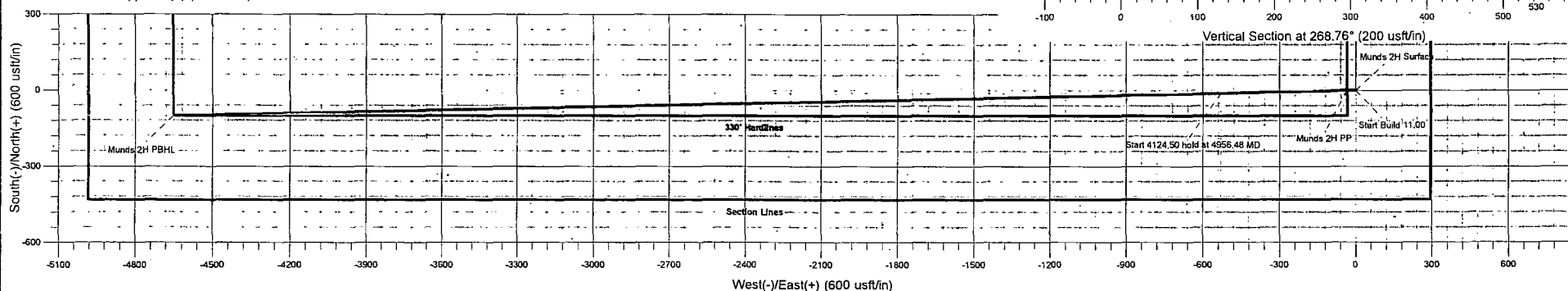
Section Distances

Sec1, T17S, R29E
SHL - Lot 1
890° FNL, 295° FEL
PP
891° FNL, 330° FEL
PBHL - Lot 4
989° FNL, 330° FWL



Azimuths to Grid North
True North: -0.17°
Magnetic North: 7.32°

Magnetic Field
Strength: 48662.2snT
Dip Angle: 60.63°
Date: 5/9/2014
Model: IGRF2010



Archer

ARCHER DIRECTIONAL DRILLING SERVICES
12101 Cutten Rd. Houston, Texas 77066
Phone: 281-301-2600 Fax: 281-301-2795

Design: Plan #4 (2H/Lateral)
Created By: Ivonne Gonzalez
Date: 11:41, May 09 2014

COG OPERATING, LLC

Eddy County, NM

Munds 1 Federal Com PDK 2H

2H

Lateral

Plan: Plan #4

Standard Planning Report

09 May, 2014

Section Distances

Sec1,T17S,R29E

SHL - Lot 1

890'FNL, 295'FEL

PP

891'FNL, 330'FEL

PBHL - Lot 4

989'FNL, 330'FWL

Archer

Planning Report

Database:	EDM/5000.1 Single User Db	Local Co-ordinate Reference:	Well: 2H
Company:	COG OPERATING, LLC	TVD Reference:	3692'GL+14'KB @ 3706.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3692'GL+14'KB @ 3706.00usft (Planning)
Site:	Munds 1 Federal Com PDK 2H	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #4		

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: Munds 1 Federal Com PDK 2H					
Site Position:		Northing:	679,712.50 usft	Latitude:	32° 52' 5.59 N
From:	Map	Easting:	596,180.20 usft	Longitude:	104° 1' 12.30 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.17 °

Well	2H					
Well Position	+N/-S	0.00 usft	Northing:	679,712.50 usft	Latitude:	32° 52' 5.59 N
	+E/-W	0.00 usft	Easting:	596,180.20 usft	Longitude:	104° 1' 12.30 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,692.00 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/9/2014	7.49	60.63	48,662

Design:	Plan #4				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	268.76	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target:
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,129.21	0.00	0.00	4,129.21	0.00	0.00	0.00	0.00	0.00	0.00	
4,956.48	91.00	268.76	4,650.00	-11.49	-529.84	11.00	11.00	0.00	268.76	
9,080.98	91.00	268.76	4,578.02	-100.89	-4,652.74	0.00	0.00	0.00	0.00	Munds 2H PBHL

Archer

Planning Report

Database:	EDM5000.1 Single User Db	Local Co-ordinate Reference:	Well: 2H
Company:	COG OPERATING, LLC	TVD Reference:	3692 GL+14' KB @ 3706.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3692 GL+14' KB @ 3706.00usft (Planning)
Site:	Munds-1 Federal Com-PDK 2H	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #4		

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,129.21	0.00	0.00	4,129.21	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 11:00									
4,150.00	2.29	268.76	4,149.99	-0.01	-0.41	0.41	11.00	11.00	0.00
4,200.00	7.79	268.76	4,199.78	-0.10	-4.80	4.80	11.00	11.00	0.00
4,250.00	13.29	268.76	4,248.92	-0.30	-13.94	13.94	11.00	11.00	0.00
4,300.00	18.79	268.76	4,296.96	-0.60	-27.74	27.75	11.00	11.00	0.00
4,350.00	24.29	268.76	4,343.45	-1.00	-46.09	46.10	11.00	11.00	0.00
4,400.00	29.79	268.76	4,387.97	-1.49	-68.80	68.82	11.00	11.00	0.00
4,450.00	35.29	268.76	4,430.10	-2.07	-95.68	95.70	11.00	11.00	0.00
4,500.00	40.79	268.76	4,469.47	-2.74	-126.47	126.50	11.00	11.00	0.00
4,550.00	46.29	268.76	4,505.70	-3.49	-160.89	160.92	11.00	11.00	0.00
4,600.00	51.79	268.76	4,538.47	-4.31	-198.62	198.67	11.00	11.00	0.00

Archer Planning Report

Database:	EDM5000.1 Single User Db	Local Co-ordinate Reference:	Well: 2H
Company:	COG OPERATING, LLC	TVD Reference:	3692 GL+14 KB @ 3706.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3692 GL+14 KB @ 3706.00usft (Planning)
Site:	Munds, Federal Corn PDK 2H	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #4		

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)
4,650.00	57.29	268.76	4,567.46	-5.19	-239.32	239.37	11.00	11.00	0.00
4,700.00	62.79	268.76	4,592.43	-6.13	-282.61	282.67	11.00	11.00	0.00
4,750.00	68.29	268.76	4,613.12	-7.11	-328.09	328.17	11.00	11.00	0.00
4,800.00	73.79	268.76	4,629.37	-8.14	-375.35	375.44	11.00	11.00	0.00
4,850.00	79.29	268.76	4,641.00	-9.19	-423.94	424.04	11.00	11.00	0.00
4,900.00	84.79	268.76	4,647.93	-10.27	-473.43	473.54	11.00	11.00	0.00
4,950.00	90.29	268.76	4,650.08	-11.35	-523.35	523.48	11.00	11.00	0.00
4,956.48	91.00	268.76	4,650.00	-11.49	-529.84	529.96	11.00	11.00	0.00
Start 4124.60 hold at 4956.48 MD									
5,000.00	91.00	268.76	4,649.24	-12.43	-573.34	573.47	0.00	0.00	0.00
5,100.00	91.00	268.76	4,647.50	-14.60	-673.30	673.46	0.00	0.00	0.00
5,200.00	91.00	268.76	4,645.75	-16.77	-773.26	773.44	0.00	0.00	0.00
5,300.00	91.00	268.76	4,644.01	-18.93	-873.22	873.43	0.00	0.00	0.00
5,400.00	91.00	268.76	4,642.26	-21.10	-973.18	973.41	0.00	0.00	0.00
5,500.00	91.00	268.76	4,640.52	-23.27	-1,073.14	1,073.39	0.00	0.00	0.00
5,600.00	91.00	268.76	4,638.77	-25.44	-1,173.10	1,173.38	0.00	0.00	0.00
5,700.00	91.00	268.76	4,637.03	-27.61	-1,273.06	1,273.36	0.00	0.00	0.00
5,800.00	91.00	268.76	4,635.28	-29.77	-1,373.03	1,373.35	0.00	0.00	0.00
5,900.00	91.00	268.76	4,633.54	-31.94	-1,472.99	1,473.33	0.00	0.00	0.00
6,000.00	91.00	268.76	4,631.79	-34.11	-1,572.95	1,573.32	0.00	0.00	0.00
6,100.00	91.00	268.76	4,630.05	-36.28	-1,672.91	1,673.30	0.00	0.00	0.00
6,200.00	91.00	268.76	4,628.30	-38.44	-1,772.87	1,773.29	0.00	0.00	0.00
6,300.00	91.00	268.76	4,626.55	-40.61	-1,872.83	1,873.27	0.00	0.00	0.00
6,400.00	91.00	268.76	4,624.81	-42.78	-1,972.79	1,973.26	0.00	0.00	0.00
6,500.00	91.00	268.76	4,623.06	-44.95	-2,072.76	2,073.24	0.00	0.00	0.00
6,600.00	91.00	268.76	4,621.32	-47.11	-2,172.72	2,173.23	0.00	0.00	0.00
6,700.00	91.00	268.76	4,619.57	-49.28	-2,272.68	2,273.21	0.00	0.00	0.00
6,800.00	91.00	268.76	4,617.83	-51.45	-2,372.64	2,373.20	0.00	0.00	0.00
6,900.00	91.00	268.76	4,616.08	-53.62	-2,472.60	2,473.18	0.00	0.00	0.00
7,000.00	91.00	268.76	4,614.34	-55.78	-2,572.56	2,573.17	0.00	0.00	0.00
7,100.00	91.00	268.76	4,612.59	-57.95	-2,672.52	2,673.15	0.00	0.00	0.00
7,200.00	91.00	268.76	4,610.85	-60.12	-2,772.48	2,773.14	0.00	0.00	0.00
7,300.00	91.00	268.76	4,609.10	-62.29	-2,872.45	2,873.12	0.00	0.00	0.00
7,400.00	91.00	268.76	4,607.36	-64.45	-2,972.41	2,973.11	0.00	0.00	0.00
7,500.00	91.00	268.76	4,605.61	-66.62	-3,072.37	3,073.09	0.00	0.00	0.00
7,600.00	91.00	268.76	4,603.87	-68.79	-3,172.33	3,173.07	0.00	0.00	0.00
7,700.00	91.00	268.76	4,602.12	-70.96	-3,272.29	3,273.06	0.00	0.00	0.00
7,800.00	91.00	268.76	4,600.38	-73.12	-3,372.25	3,373.04	0.00	0.00	0.00
7,900.00	91.00	268.76	4,598.63	-75.29	-3,472.21	3,473.03	0.00	0.00	0.00
8,000.00	91.00	268.76	4,596.89	-77.46	-3,572.17	3,573.01	0.00	0.00	0.00
8,100.00	91.00	268.76	4,595.14	-79.63	-3,672.14	3,673.00	0.00	0.00	0.00
8,200.00	91.00	268.76	4,593.40	-81.79	-3,772.10	3,772.98	0.00	0.00	0.00
8,300.00	91.00	268.76	4,591.65	-83.96	-3,872.06	3,872.97	0.00	0.00	0.00
8,400.00	91.00	268.76	4,589.90	-86.13	-3,972.02	3,972.95	0.00	0.00	0.00
8,500.00	91.00	268.76	4,588.16	-88.30	-4,071.98	4,072.94	0.00	0.00	0.00
8,600.00	91.00	268.76	4,586.41	-90.46	-4,171.94	4,172.92	0.00	0.00	0.00
8,700.00	91.00	268.76	4,584.67	-92.63	-4,271.90	4,272.91	0.00	0.00	0.00
8,800.00	91.00	268.76	4,582.92	-94.80	-4,371.86	4,372.89	0.00	0.00	0.00
8,900.00	91.00	268.76	4,581.18	-96.97	-4,471.83	4,472.88	0.00	0.00	0.00
9,000.00	91.00	268.76	4,579.43	-99.13	-4,571.79	4,572.86	0.00	0.00	0.00
9,080.98	91.00	268.76	4,578.02	-100.89	-4,652.74	4,653.83	0.00	0.00	0.00
TD at 9080.98									

Archer Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well: 2H
Company:	COG OPERATING, LLC	TVD Reference:	3692 GL+14 KB @ 3706.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3692 GL+14 KB @ 3706.00usft (Planning)
Site:	Munds 1 Federal Com PDK 2H	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #4		

Design Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Munds 2H Surface	- plan hits target center	0.00	0.00	0.00	0.00	0.00	679,712.50	596,180.20	32° 52' 5.59 N	104° 1' 12.30 W
	- Point									
Munds 2H PP	- plan misses target center by 34.96usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)	0.00	0.00	0.00	-0.76	-34.95	679,711.74	596,145.25	32° 52' 5.59 N	104° 1' 12.71 W
	- Point									
Munds 2H PBHL	- plan hits target center	0.00	0.00	4,578.02	-100.89	-4,652.74	679,611.61	591,527.46	32° 52' 4.73 N	104° 2' 6.85 W
	- Point									

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,129.21	4,129.21	0.00	0.00	Start Build 11.00	
4,956.48	4,650.00	-11.49	-529.84	Start 4124.50 hold at 4956.48 MD	
9,080.98	4,578.02	-100.89	-4,652.74	TD at 9080.98	

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone (575) 393-6161 Fax (575) 393-0720
 District II
 911 S. First St., Artesa, NM 88210
 Phone (575) 748-1263 Fax (575) 748-9720
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone (505) 334-6176 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, NM 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 30-015-41565		Pool Code 96610	Pool Name Empire; Glorieta Vaso East
Property Code 40041	Property Name MUNDS 1 FEDERAL COM PDK		Well Number 2H
GRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3692'

Surface Location

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
1	1	17-S	29-E		890	NORTH	295	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
4	1	17-S	29-E		989	NORTH	330	WEST	EDDY

Dedicated Acres 160.24	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.

Project Area Producing Area N 88°45'07" E (GRID) - 4655.20' (HORIZ.) LOT 4 40.01 AC. (MSP 40.11 AC.) LOT 3 40.04 AC. (MSP 40.07 AC.) LOT 2 40.02 AC. (MSP 40.05 AC.) LOT 1 40.08 AC. (MSP 40.01 AC.) Estimated Completed Interval: 891 FNL + 330 FEL GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 679712.5 E 596180.2 LAT: 32.868220° N LONG: 104.020082° W BOTTOM LOCATION N 679611.2 E 591527.3 CORNER DATA NAD 27 GRID - NM EAST A: FND USGLO BC 1914 N 675322.5 - E 591200.4 B: FND USGLO BC 1914 N 677961.6 - E 591198.9 C: FND USGLO BC 1916 N 680599.9 - E 591196.5 D: FND USGLO BC 1914 N 680602.4 - E 593835.9 E: FND USGLO BC 1914 N 680602.3 - E 596475.5 F: FND USGLO BC 1914 N 677961.3 - E 596474.4 G: FND USGLO BC 1914 N 675324.2 - E 596474.5 H: FND USGLO BC 1914 N 675326.5 - E 593844.9		OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order, as required by the division. <i>[Signature]</i> Signature Kelly J. Holly Printed Name kholly@concho.com E-mail Address 5-28-14 Date	
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. 4/6/13 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor 19680 Certificate Number REVISED: 5/5/14 NAME		ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR	