

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 CLEZ
July 21, 2008

For closed-loop systems *that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure*, submit to the appropriate NMOC District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☐ Closure

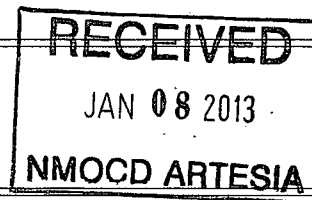
Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. Operator: **COG OPERATING LLC** OGRID #: **229137**
Address: **ONE CONCHO CENTER 600 W ILLINOIS AVE MIDLAND, TX 79701**
Facility or well name: **HEARSE "36" STATE #2H**
API Number: **30-015-40944** OCD Permit Number: **213756**
U/L or Qtr/Qtr **UL M** Section **36** Township **19S** Range **25E** County: **EDDY**
Center of Proposed Design: Latitude **N/A** Longitude **N/A** NAD: ☐ 1927 ☐ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2. ☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Operation: ☒ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A
☐ Above Ground Steel Tanks or ☒ Haul-off Bins

3. **Signs:** Subsection C of 19.15.17.11 NMAC
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
☒ Signed in compliance with 19.15.3.103 NMAC



4. **Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number: _____
☐ Previously Approved Operating and Maintenance Plan API Number: _____

5. **Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.
Disposal Facility Name: **CRI** Disposal Facility Permit Number: **R1966**
Disposal Facility Name: **GM INC** Disposal Facility Permit Number: **711-019-001**
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☒ No
Required for impacted areas which will not be used for future service and operations:
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): **KELLY J. HOLLY** Title: **PERMITTING TECH**
Signature: Date: **12/12/12**
e-mail address: **kholly@concho.com** Telephone: **432-685-4384**

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: [Signature] Approval Date: 1/9/2013

Title: Dist. P. Supervisor OCD Permit Number: 213756

8. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

10. **Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

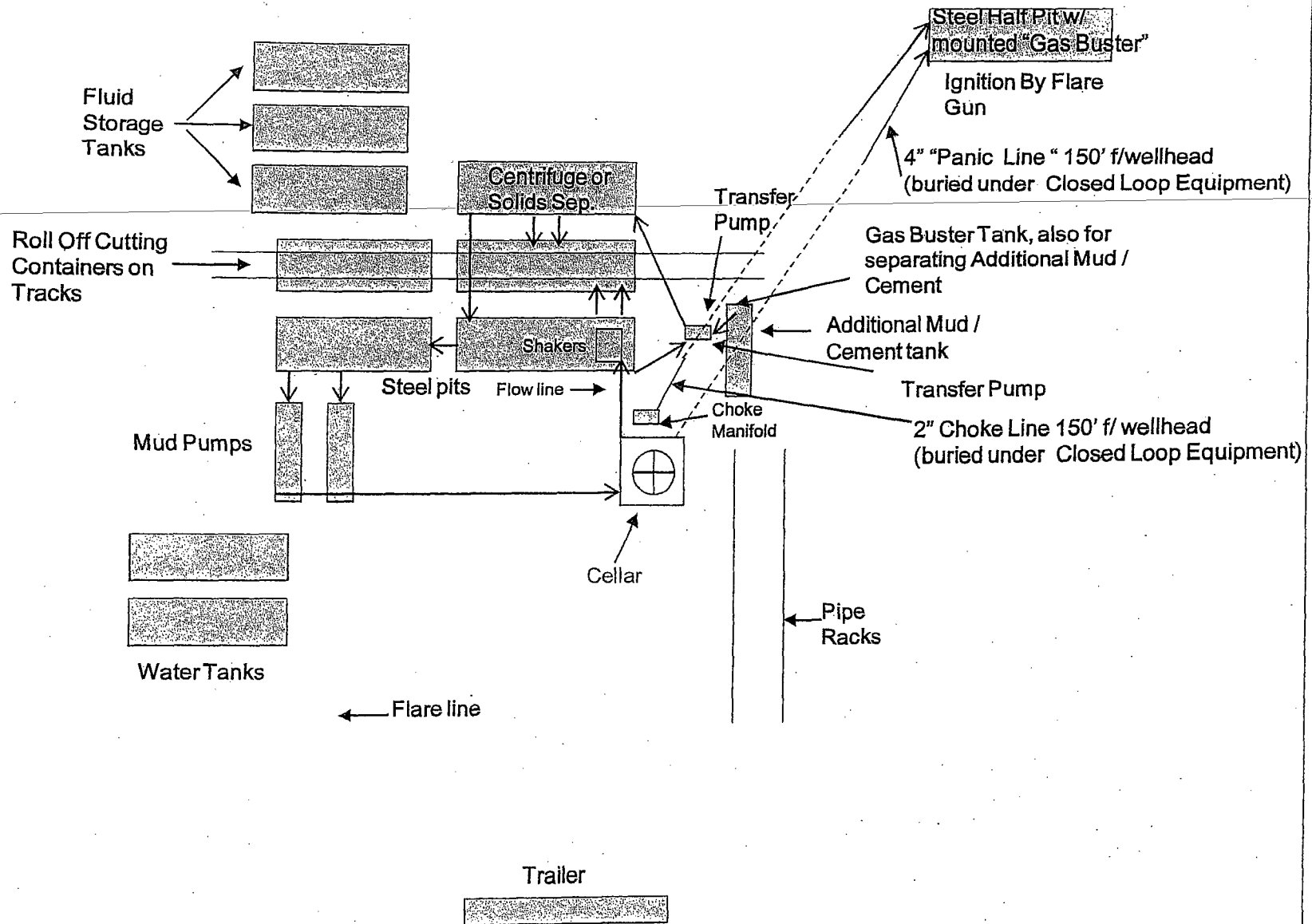
Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

COG Operating LLC

Closed Loop Equipment Diagram



RECEIVED

JAN 08 2013

NMOCD ARTESIA

Plan Proposal

FOR

COG Operating, LLC
Hearse 36 State #2H
Eddy Co., NM

Design #3

Presented By:

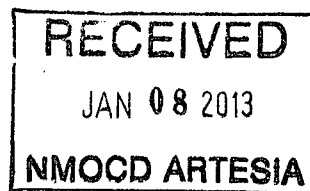
Aaron Boger
Account Manager

Dusty Moyer
Well Planner

SHL
150' FSL & 991' FWL
Penetration Point
330' FSL & 991' FWL
PBHL
330' FNL & 988' FWL

ATTACHED

Archer



COG Operating, LLC

Eddy County(NM27E)

Sec.36-T19S-R25E

Hearse 36 State #2H

Wellbore #1

Plan: Design #3

Standard Planning Report

04 January, 2013



Database:	EDMDBBW	Local Co-ordinate Reference:	Well: Hearse 36 State #2H
Company:	COG Operating, LLC	TVD Reference:	WELL @ 3440.00usft (Original Well Elev)
Project:	Eddy County (NM27E)	MD Reference:	WELL @ 3440.00usft (Original Well Elev)
Site:	Sec:36-T19S-R25E	North Reference:	Grid:
Well:	Hearse 36 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Project:	Eddy County (NM27E)		
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:	Sec:36-T19S-R25E		
Site Position:		Northing:	585,673.600 usft
From:	Map	Easting:	466,182.100 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32° 36' 36.263 N
		Longitude:	104° 26' 35.371 W
		Grid Convergence:	-0.06°

Well	Hearse 36 State #2H					
Well Position	+N/-S	0.00 usft	Northing:	585,673.600 usft	Latitude:	32° 36' 36.263 N
	+E/-W	0.00 usft	Easting:	466,182.100 usft	Longitude:	104° 26' 35.371 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,426.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/04/13	7.82	60.36	48,596

Design: Design #3				
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	0.14

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	
2,564.96	0.00	360.00	2,564.96	0.00	0.00	0.00	0.00	0.00	360.00	
3,392.23	91.00	0.14	3,085.75	529.96	1.27	11.00	11.00	0.00	0.14	Hearse 36 State #2H
7,659.44	91.00	0.14	3,011.28	4,796.50	11.50	0.00	0.00	0.00	0.00	Hearse 36 State #2H

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Project:	Eddy County (NM27E)	MD Reference:	WELL @ 3440.00usft (Original Well Elev)
Site:	Sec 36-T19S-R25E	North Reference:	Grid
Well:	Hearse 36 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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	360.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	360.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	360.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	360.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	360.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	360.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	360.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	360.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	360.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	360.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	360.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	360.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	360.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	360.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	360.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	360.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	360.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	360.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	360.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	360.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	360.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	360.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	360.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	360.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	360.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Build 11°/100'									
2,564.96	0.00	360.00	2,564.96	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	3.85	0.14	2,599.97	1.18	0.00	1.18	11.00	11.00	0.00
2,650.00	9.35	0.14	2,649.62	6.93	0.02	6.93	11.00	11.00	0.00
2,700.00	14.85	0.14	2,698.49	17.41	0.04	17.41	11.00	11.00	0.00
2,750.00	20.35	0.14	2,746.13	32.52	0.08	32.52	11.00	11.00	0.00
2,800.00	25.85	0.14	2,792.10	52.14	0.13	52.14	11.00	11.00	0.00
2,850.00	31.35	0.14	2,835.98	76.07	0.18	76.07	11.00	11.00	0.00
2,900.00	36.85	0.14	2,877.37	104.09	0.25	104.09	11.00	11.00	0.00
2,950.00	42.35	0.14	2,915.88	135.95	0.33	135.95	11.00	11.00	0.00
3,000.00	47.85	0.14	2,951.16	171.36	0.41	171.36	11.00	11.00	0.00
3,050.00	53.35	0.14	2,982.88	209.98	0.50	209.98	11.00	11.00	0.00
3,100.00	58.85	0.14	3,010.75	251.47	0.60	251.47	11.00	11.00	0.00
3,150.00	64.35	0.14	3,034.52	295.44	0.71	295.44	11.00	11.00	0.00
3,200.00	69.85	0.14	3,053.96	341.48	0.82	341.48	11.00	11.00	0.00
3,250.00	75.35	0.14	3,068.91	389.17	0.93	389.17	11.00	11.00	0.00
3,300.00	80.85	0.14	3,079.21	438.08	1.05	438.08	11.00	11.00	0.00
3,350.00	86.35	0.14	3,084.78	487.75	1.17	487.75	11.00	11.00	0.00
EOC - Hold to TD									
3,392.23	91.00	0.14	3,085.75	529.96	1.27	529.96	11.00	11.00	0.00
3,400.00	91.00	0.14	3,085.62	537.73	1.29	537.73	0.00	0.00	0.00
3,500.00	91.00	0.14	3,083.87	637.71	1.53	637.71	0.00	0.00	0.00
3,600.00	91.00	0.14	3,082.13	737.69	1.77	737.70	0.00	0.00	0.00
3,700.00	91.00	0.14	3,080.38	837.68	2.01	837.68	0.00	0.00	0.00
3,800.00	91.00	0.14	3,078.63	937.66	2.25	937.67	0.00	0.00	0.00
3,900.00	91.00	0.14	3,076.89	1,037.65	2.49	1,037.65	0.00	0.00	0.00
4,000.00	91.00	0.14	3,075.14	1,137.63	2.73	1,137.64	0.00	0.00	0.00
4,100.00	91.00	0.14	3,073.40	1,237.62	2.97	1,237.62	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Hearse 36 State #2H
Company:	COG Operating, LLC	TVD Reference:	WELL @ 3440.00usft (Original Well Elev)
Project:	Eddy County (NM27E)	MD Reference:	WELL @ 3440.00usft (Original Well Elev)
Site:	Sec.36-T19S-R25E	North Reference:	Grid
Well:	Hearse 36 State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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)	
4,200.00	91.00	0.14	3,071.65	1,337.60	3.21	1,337.61	0.00	0.00	0.00	
4,300.00	91.00	0.14	3,069.91	1,437.59	3.45	1,437.59	0.00	0.00	0.00	
4,400.00	91.00	0.14	3,068.16	1,537.57	3.69	1,537.57	0.00	0.00	0.00	
4,500.00	91.00	0.14	3,066.42	1,637.56	3.93	1,637.56	0.00	0.00	0.00	
4,600.00	91.00	0.14	3,064.67	1,737.54	4.17	1,737.54	0.00	0.00	0.00	
4,700.00	91.00	0.14	3,062.93	1,837.52	4.41	1,837.53	0.00	0.00	0.00	
4,800.00	91.00	0.14	3,061.18	1,937.51	4.65	1,937.51	0.00	0.00	0.00	
4,900.00	91.00	0.14	3,059.44	2,037.49	4.89	2,037.50	0.00	0.00	0.00	
5,000.00	91.00	0.14	3,057.69	2,137.48	5.12	2,137.48	0.00	0.00	0.00	
5,100.00	91.00	0.14	3,055.95	2,237.46	5.36	2,237.47	0.00	0.00	0.00	
5,200.00	91.00	0.14	3,054.20	2,337.45	5.60	2,337.45	0.00	0.00	0.00	
5,300.00	91.00	0.14	3,052.46	2,437.43	5.84	2,437.44	0.00	0.00	0.00	
5,400.00	91.00	0.14	3,050.71	2,537.42	6.08	2,537.42	0.00	0.00	0.00	
5,500.00	91.00	0.14	3,048.97	2,637.40	6.32	2,637.41	0.00	0.00	0.00	
5,600.00	91.00	0.14	3,047.22	2,737.38	6.56	2,737.39	0.00	0.00	0.00	
5,700.00	91.00	0.14	3,045.48	2,837.37	6.80	2,837.38	0.00	0.00	0.00	
5,800.00	91.00	0.14	3,043.73	2,937.35	7.04	2,937.36	0.00	0.00	0.00	
5,900.00	91.00	0.14	3,041.98	3,037.34	7.28	3,037.35	0.00	0.00	0.00	
6,000.00	91.00	0.14	3,040.24	3,137.32	7.52	3,137.33	0.00	0.00	0.00	
6,100.00	91.00	0.14	3,038.49	3,237.31	7.76	3,237.32	0.00	0.00	0.00	
6,200.00	91.00	0.14	3,036.75	3,337.29	8.00	3,337.30	0.00	0.00	0.00	
6,300.00	91.00	0.14	3,035.00	3,437.28	8.24	3,437.29	0.00	0.00	0.00	
6,400.00	91.00	0.14	3,033.26	3,537.26	8.48	3,537.27	0.00	0.00	0.00	
6,500.00	91.00	0.14	3,031.51	3,637.24	8.72	3,637.26	0.00	0.00	0.00	
6,600.00	91.00	0.14	3,029.77	3,737.23	8.96	3,737.24	0.00	0.00	0.00	
6,700.00	91.00	0.14	3,028.02	3,837.21	9.20	3,837.22	0.00	0.00	0.00	
6,800.00	91.00	0.14	3,026.28	3,937.20	9.44	3,937.21	0.00	0.00	0.00	
6,900.00	91.00	0.14	3,024.53	4,037.18	9.68	4,037.19	0.00	0.00	0.00	
7,000.00	91.00	0.14	3,022.79	4,137.17	9.92	4,137.18	0.00	0.00	0.00	
7,100.00	91.00	0.14	3,021.04	4,237.15	10.16	4,237.16	0.00	0.00	0.00	
7,200.00	91.00	0.14	3,019.30	4,337.14	10.40	4,337.15	0.00	0.00	0.00	
7,300.00	91.00	0.14	3,017.55	4,437.12	10.64	4,437.13	0.00	0.00	0.00	
7,400.00	91.00	0.14	3,015.81	4,537.11	10.88	4,537.12	0.00	0.00	0.00	
7,500.00	91.00	0.14	3,014.06	4,637.09	11.12	4,637.10	0.00	0.00	0.00	
7,600.00	91.00	0.14	3,012.32	4,737.07	11.36	4,737.09	0.00	0.00	0.00	
TD at 7659.44										
7,659.44	91.00	0.14	3,011.28	4,796.50	11.50	4,796.51	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- hit/miss target										
- Shape										
Hearse 36 State #2H PE	0.00	360.00	3,011.28	4,796.50	11.50	590,470.100	466,193.600	32° 37' 23.729 N		104° 26' 35.294 W
- plan hits target center										
- Point										

Database:	EDMDBBW	Local Co-ordinate Reference:	Well: Hearse 36 State #2H
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Wellbore:	Wellbore #1		
Design:	Design #3		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
2,564.96	2,564.96	0.00	0.00	KOP - Build 11"/100'
3,392.23	3,085.75	529.96	1.27	EOC - Hold to TD
7,659.44	3,011.28	4,796.50	11.50	TD at 7659.44



Project: Eddy County(NM27E)
Site: Sec.36-T19S-R25E
Well: Hears 36 State #2H
Wellbore: Wellbore #1
Design: Design #3
Lat: 32° 36' 36.263 N
Long: 104° 26' 35.371 W
GL: 3426.00
KB: WELL @ 3440.00usft (Original Well Elev)

Archer

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2564.96	0.00	360.00	2564.96	0.00	0.00	0.00	360.00	0.00	KOP - Build 11°/100'
3392.23	91.00	0.14	3085.75	529.96	1.27	11.00	0.14	529.96	EOC - Hold to TD
7659.44	91.00	0.14	3011.28	4796.50	11.50	0.00	0.00	4796.51	TD at 7659.44

WELL DETAILS: Hears 36 State #2H

+N/-S	+E/-W	Northing	Ground Level: Easting	3426.00 Latitude	Longitude	Slot
0.00	0.00	585673.600	466182.100	32° 36' 36.263 N	104° 26' 35.371 W	

WELLBORE TARGET DETAILS (LAT/LONG)

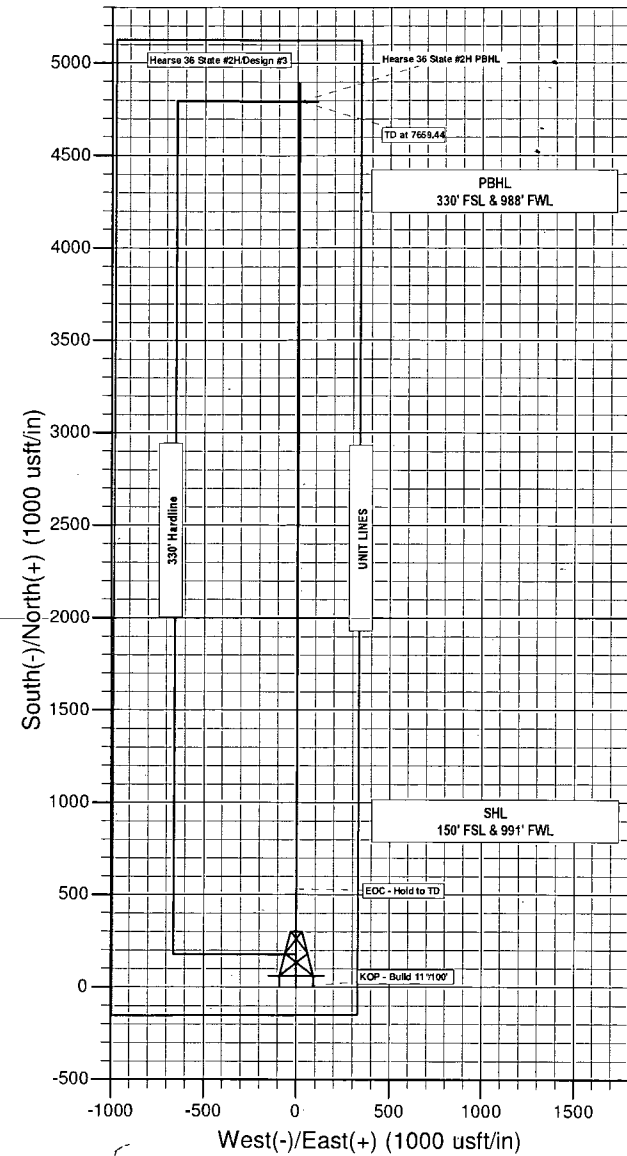
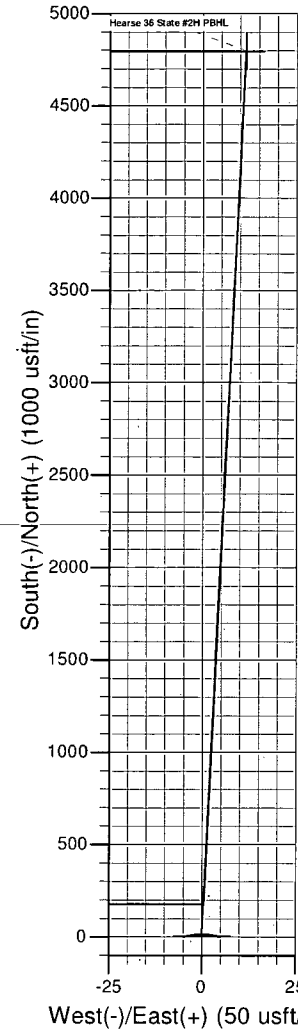
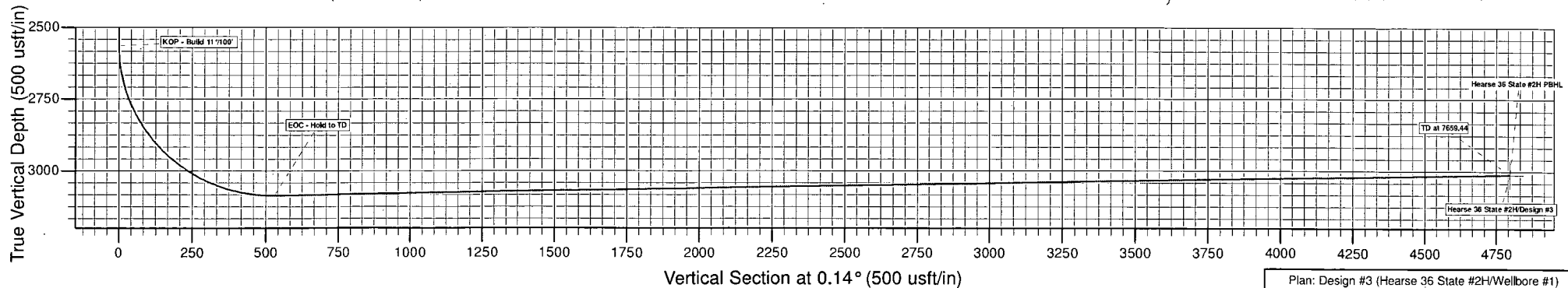
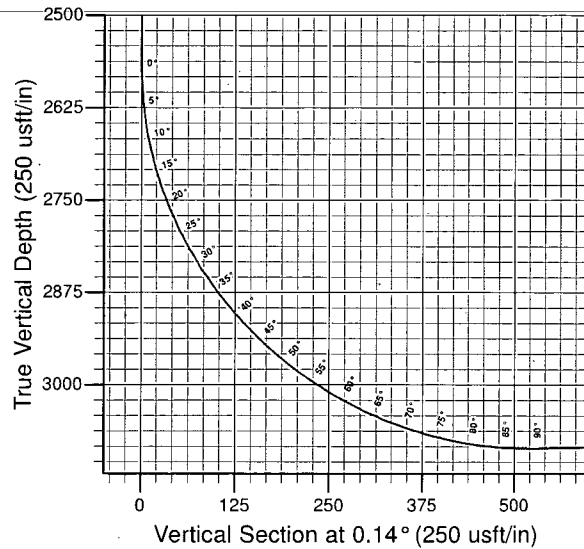
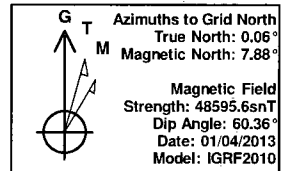
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
Hears 36 State #2H PBHL	3011.28	4796.50	11.50	32° 37' 23.729 N	104° 26' 35.294 W	

PROJECT DETAILS: Eddy County(NM27E)

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

SITE DETAILS: Sec.36-T19S-R25E

Site Centre Latitude: 32° 36' 36.263 N
Longitude: 104° 26' 35.371 W
Positional Uncertainty: 0.00
Convergence: -0.06
Local North: Grid



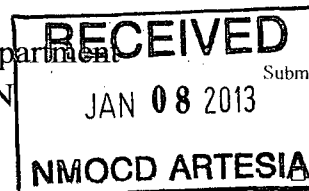
DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 50250	Pool Name Penasco-Draw; SA-Yeso (Assoc)
Property Code	Property Name HEARSE 36 STATE	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3426'

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	36	19-S	25-E		150	SOUTH	991	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	36	19-S	25-E		330	NORTH	988	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
-------------------------------	-----------------	--------------------	-----------

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

PRODUCING AREA PROJECT AREA GRID AZ = 0008 14 HORIZ. DIST. = 4797.9 330' 330' 330' 330' 991' 150'	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=585673.6 N X=466182.1 E LAT.=32.610073° N LONG.=104.443159° W BOTTOM HOLE LOCATION Y=590470.1 N X=466193.6 E CORNER COORDINATES TABLE <table> <tr><td>A - Y=590802.2 N, X=465207.3 E</td></tr> <tr><td>B - Y=590799.3 N, X=466524.3 E</td></tr> <tr><td>C - Y=590790.5 N, X=470475.1 E</td></tr> <tr><td>D - Y=585520.6 N, X=465190.9 E</td></tr> <tr><td>E - Y=585524.6 N, X=466511.9 E</td></tr> <tr><td>F - Y=585537.2 N, X=470474.2 E</td></tr> </table>	A - Y=590802.2 N, X=465207.3 E	B - Y=590799.3 N, X=466524.3 E	C - Y=590790.5 N, X=470475.1 E	D - Y=585520.6 N, X=465190.9 E	E - Y=585524.6 N, X=466511.9 E	F - Y=585537.2 N, X=470474.2 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. 1-4-13 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. NOVEMBER 30, 2012 Date of Survey Signature & Seal of Professional Surveyor: Certificate Number: 3239 Ronald J. Eidson DSS JWSC W.O. 12.11.1984
A - Y=590802.2 N, X=465207.3 E								
B - Y=590799.3 N, X=466524.3 E								
C - Y=590790.5 N, X=470475.1 E								
D - Y=585520.6 N, X=465190.9 E								
E - Y=585524.6 N, X=466511.9 E								
F - Y=585537.2 N, X=470474.2 E								

Estimated
Completed
Interval:
330 FSL +
991 FWL