

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: 550 WEST TEXAS, SUITE 100 MIDLAND, TX 79701	
Facility or well name: PINTO "36" FEE #5H	
API Number: 30-015-39970 OCD Permit Number: 212580	
U/L or Qtr/Qtr UL M Section 36 Township 18S Range 25E County: Eddy	
Center of Proposed Design: Latitude N/A Longitude N/A NAD. <input type="checkbox"/> 1927 <input type="checkbox"/> 1983	
Surface Owner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment	
2. <input checked="" type="checkbox"/> Closed-loop System: Subsection H of 19.15.17.11 NMAC Operation: <input checked="" type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) <input type="checkbox"/> P&A <input type="checkbox"/> Above Ground Steel Tanks or <input checked="" type="checkbox"/> Haul-off Bins	
3. Signs: Subsection C of 19.15.17.11 NMAC <input type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers <input checked="" type="checkbox"/> 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. <input checked="" type="checkbox"/> Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC <input checked="" type="checkbox"/> Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC <input checked="" type="checkbox"/> 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 <input type="checkbox"/> Previously Approved Design (attach copy of design) API Number: _____ <input type="checkbox"/> 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? <input type="checkbox"/> Yes (If yes, please provide the information below) <input checked="" type="checkbox"/> No Required for impacted areas which will not be used for future service and operations: <input type="checkbox"/> Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC <input type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC <input type="checkbox"/> 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): KACIE CONNALLY Title: PERMITTING TECH Signature: <i>Kacie Connally</i> Date: 12/09/2011 e-mail address: kconnally@concho.com Telephone: 432-685-4304	

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)
OCD Representative Signature: RP Dade Approval Date: 03/05/12
Title: Dist P Supervisor OCD Permit Number: 212580

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: _____

Closed Loop Operation & Maintenance Procedure

All drilling fluid circulated over shaker(s) with cuttings discharged into roll off container.

Fluid and fines below shaker(s) are circulated with transfer pump through centrifuge(s) or solids separator with cuttings and fines discharged into roll off container.

Fluid is continuously re-circulated through equipment with polymer added to aid separation of cutting fines.

Roll off containers are lined and de-watered with fluids re-circulated into system.

Additional tank is used to capture unused drilling fluid or cement returns from casing jobs.

This equipment will be maintained 24 hrs./day by solids control personnel and or rig crews that stay on location.

Cuttings will be hauled to either:

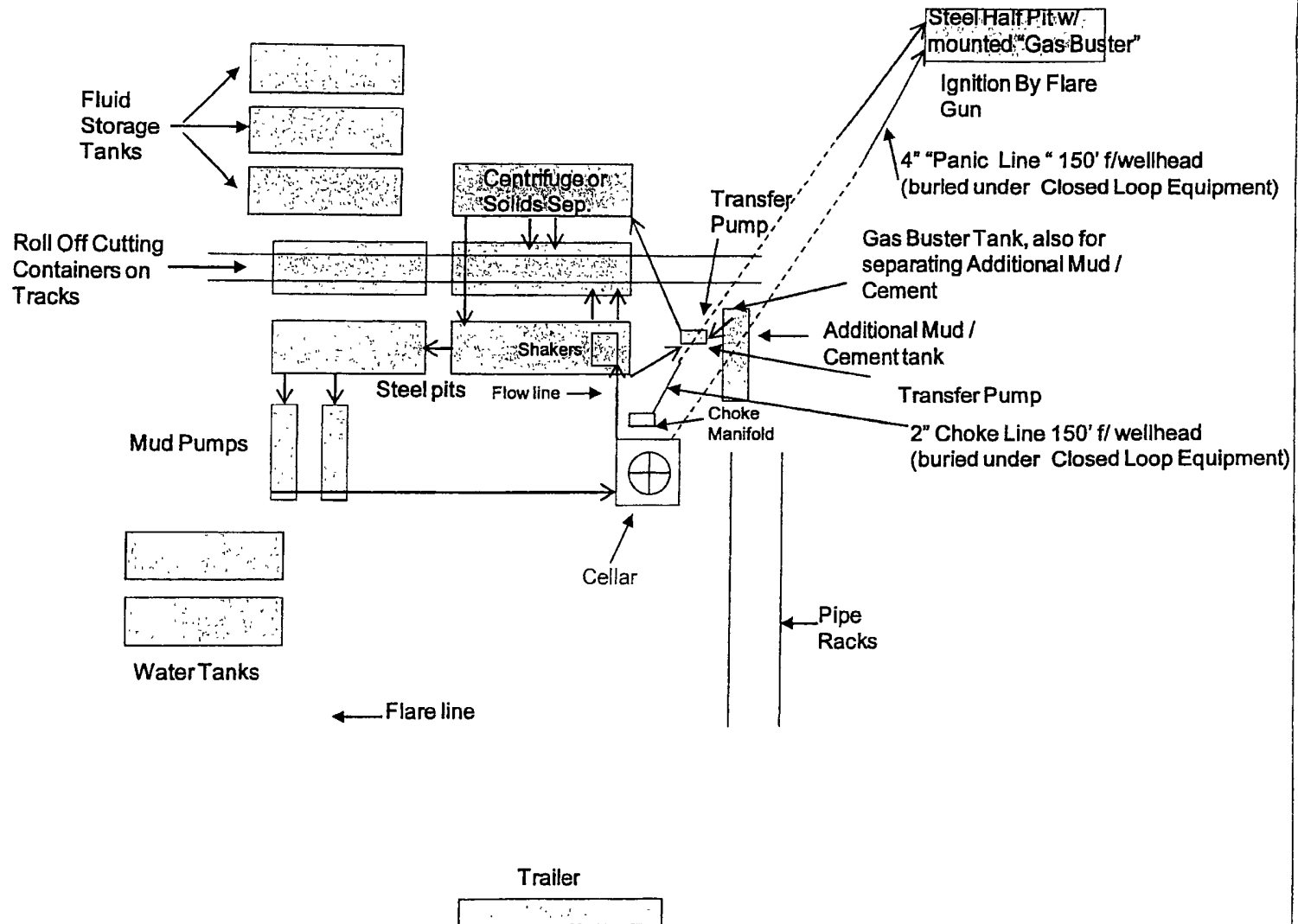
CRI (permit number R9166)

or

GMI (permit number 711-019-001)

dependent upon which rig is available to drill this well.

COG Operating LLC
Closed Loop Equipment Diagram





COG Operating LLC

Eddy County, NM (NAN27 NME)

Pinto 36 State Com #5H

Pinto 36 State Com #5H

OH

Plan: Plan #1 8-3/4" Hole

SHL = 150' FSL & 1040' FWL

PP = 330' FSL & 1040' FWL

BHL = 330' FNL & 1040' FWL

Standard Planning Report

17 February, 2012





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	1.08	2,750.00	477 38	8 98	12.00	12.00	0 00	1 08
7,322.52	90 00	1.08	2,750.00	4,776.60	89 90	0 00	0 00	0 00	0 00 PBHL-Pinto 36 #5H



COMPASS 5000.1 Build 40

EDM 5000.1 Single User Db	Site Pinto 36 State Com #5H
SSG Operating, LLC	GL @ 8494.00ush
3307 County NM (NANZ7 NME)	GL @ 8494.00ush
Pinto 36 State Com #5H	Grid
Pinto 36 State Com #5H	Minimum Curvature
0H	
Plan #1-6 3/4 hole	

Depth	Angle	Rate	Time	Distance	Angle	Time	Distance	Angle	Time
6,900.00	90.00	1.08	2,750.00	4,354.16	81.95	4,354.93	0.00	0.00	0.00
7,000.00	90.00	1.08	2,750.00	4,454.14	83.83	4,454.93	0.00	0.00	0.00
7,100.00	90.00	1.08	2,750.00	4,554.12	85.71	4,554.93	0.00	0.00	0.00
7,200.00	90.00	1.08	2,750.00	4,654.11	87.59	4,654.93	0.00	0.00	0.00
7,300.00	90.00	1.08	2,750.00	4,754.09	89.48	4,754.93	0.00	0.00	0.00
7,322.52	90.00	1.08	2,750.00	4,776.60	89.90	4,777.45	0.00	0.00	0.00
PBHL-Pinto 36 #5H									

PP=330' FSL Pinto 36 #	0.00	360.00	2,646.04	180.00	3.39	617,640.80	466,233.09	32° 41' 52.601 N	104° 26' 35.161 W
- plan hits target center									
- Point									
PBHL-Pinto 36 #5H	0.00	0.00	2,750.00	4,776.60	89.90	622,237.40	466,319.60	32° 42' 38.088 N	104° 26' 34.204 W
- plan hits target center									
- Point									

2,272.54	2,272.54	0.00	0.00	KOP Start Build 12 00°/100°
3,022.54	2,750.00	477.39	8.98	Land EOC hold 90 00°



Pinto 36 State Com #5H
Eddy County, NM (NAN27 NME)
Northing: (Y) 617460.80
Easting (X) 466229.70
Plan #1 8-3/4" Hole



To convert a Magnetic Direction to a Grid Direction, Add 8.00°
To convert a True Direction to a Grid Direction, Add 0.00°

Accuracy to Grid North
True North 0.00°
Magnetic North 8.00°
Magnetic Field
Strength: 48735 1uT
Dip Angle: 80.40°
Date: 02/17/2012
Model: IGRF2010

WELL DETAILS: Pinto 36 State Com #5H						
	Ground Level	3494.00				
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	617460.80	466229.70	32° 41' 50.820 N	104° 26' 35.196 W	

SECTION DETAILS										
Sec	MD	Inc	At	TVD	+N-S	+E-W	Mag	TFace	VSec	Target
1	0.00	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	0.00
3	3022.54	90.00	1.06	2750.00	4776.60	89.90	12.00	1.96	477.45	PSHL-Pinto 36 #5H
4	7322.52	90.00	1.06	2750.00	4776.60	89.90	0.00	0.00	477.45	PSHL-Pinto 36 #5H

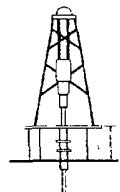
DESIGN TARGET DETAILS										
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape		
PP-338 FSL Pinto 36 #5H 2848.04	180.00	3.39	617640.80	466233.8022	41 52.501 804	26° 35' 161 W	Point			
- plan hole target center										
PSHL-Pinto 36 #5H 2750.00	4776.60	89.90	622237.40	466318.8032	42° 38' 086 804	26° 34' 204 W	Point			
- plan hole target center										

PROJECT DETAILS	
Eddy County, NM (NAN27 NME)	
Geodesic System	US State Plane 1927 (Exact solution)
Datum	NAD 1927 (NADCON CONUS)
Ellipsoid	Clarke 1866
Zone Name	New Mexico East 3001
Local Origin	Sea Pinto 36 State Com #5H Grid North
Latitude	32° 41' 50.820 N
Longitude	104° 26' 35.196 W
Grid East	466229.70
Grid North	617460.80
Scale Factor	1.00

Map System	US State Plane 1927 (Exact solution)
Datum	NAD 1927 (NADCON CONUS)
Ellipsoid	Clarke 1866
Zone Name	New Mexico East 3001
Local Origin	Sea Pinto 36 State Com #5H Grid North
Latitude	32° 41' 50.820 N
Longitude	104° 26' 35.196 W
Grid East	466229.70
Grid North	617460.80
Scale Factor	1.00
Geographic Model	IGRF 2010
Sample Date	17-Feb-12
Magnetic Declination	7.94°
Dip Angle from Horizontal	80.40°
Magnetic Field Strength	48735
To convert a Magnetic Direction to a Grid Direction, Add 8.00°	
To convert a True Direction to a Grid Direction, Add 0.00°	

SITE DETAILS	
Pinto 36 State Com #5H	
Site Center Northing	617460.80
Easting	466229.70
Positional Uncertainty	0.00
Convergence	-0.06
Local North	True

LEGEND	
—●—	Pinto 36 State Com #5H CH, Plan #1 8-3/4" Hole VO
—●—	Plan #1 8-3/4" Hole



GL @ 3494.00m
GL 3494.00

