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Form 3160-3
(March 2012)

OCD Hobbs

HOBBS OCD
APR 18 2018
RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. NMNM114987

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No. (38728)
DOMINATOR 25 FEDERAL 702H

2. Name of Operator COG OPERATING LLC (229137)

9. API Well No. 30-025-44713

3a. Address 600 West Illinois Ave Midland TX 79701

3b. Phone No. *(include area code)* (432)683-7443

10. Field and Pool, or Exploratory 98094
WILDCAT / WOLFCAMP

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface SESE / 280 FSL / 690 FEL / LAT 32.095032 / LONG -103.519755
At proposed prod. zone NENE / 200 FNL / 990 FEL / LAT 32.108213 / LONG -103.520721

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 25 / T25S / R33E / NMP

14. Distance in miles and direction from nearest town or post office*
19 miles

12. County or Parish LEA

13. State NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 200 feet

16. No. of acres in lease 280

17. Spacing Unit dedicated to this well 160

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 381 feet

19. Proposed Depth 12750 feet / 17561 feet

20. BLM/BIA Bond No. on file FED: NMB000215

21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3324 feet

22. Approximate date work will start* 03/01/2018

23. Estimated duration 30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	Mayte Reyes / Ph: (575)748-6945	12/05/2017
Title: Regulatory Analyst		
Approved by *(Signature)* (Electronic Submission)	Name *(Printed/Typed)* Cody Layton / Ph: (575)234-5959	Date 04/09/2018
Title: Supervisor Multiple Resources	Office: CARLSBAD	

Application approval 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.
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

*(Instructions on page 2)

REQUESTED GCP 04/18/18

APPROVED WITH CONDITIONS

Approval Date: 04/09/2018

Kz 04/20/18

" missing pp"

Additional Operator Remarks

Location of Well

1. SHL: SESE / 280 FSL / 690 FEL / TWSP: 25S / RANGE: 33E / SECTION: 25 / LAT: 32.095032 / LONG: -103.519755 (TVD: 0 feet, MD: 0 feet)
   PPP: SESE / 330 FSL / 990 FEL / TWSP: 25S / RANGE: 33E / SECTION: 25 / LAT: 32.095168 / LONG: -103.520724 (TVD: 5000 feet, MD: 5000 feet)
   BHL: NENE / 200 FNL / 990 FEL / TWSP: 25S / RANGE: 33E / SECTION: 25 / LAT: 32.108213 / LONG: -103.520721 (TVD: 12750 feet, MD: 17561 feet)

BLM Point of Contact

Name: Tenille Ortiz
Title: Legal Instruments Examiner
Phone: 5752342224
Email: tortiz@blm.gov

AFMSS

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Application Data Report

04/10/2018

APD ID: 10400025238 **Submission Date:** 12/05/2017

Operator Name: COG OPERATING LLC

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General

APD ID: 10400025238 **Tie to previous NOS?** **Submission Date:** 12/05/2017

BLM Office: CARLSBAD **User:** Mayte Reyes **Title:** Regulatory Analyst

Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED

Lease number: NMNM114987 **Lease Acres:** 280

Surface access agreement in place? **Allotted?** **Reservation:**

Agreement in place? NO **Federal or Indian agreement:**

Agreement number:

Agreement name:

Keep application confidential? YES

Permitting Agent? NO **APD Operator:** COG OPERATING LLC

Operator letter of designation:

Operator Info

Operator Organization Name: COG OPERATING LLC

Operator Address: 600 West Illinois Ave **Zip:** 79701

Operator PO Box:

Operator City: Midland **State:** TX

Operator Phone: (432)683-7443

Operator Internet Address: RODOM@CONCHO.COM

Section 2 - Well Information

Well in Master Development Plan? NO **Mater Development Plan name:**

Well in Master SUPO? NO **Master SUPO name:**

Well in Master Drilling Plan? NO **Master Drilling Plan name:**

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** WILDCAT **Pool Name:** WOLFCAMP

Is the proposed well in an area containing other mineral resources? USEABLE WATER,OIL

Operator Name: COG OPERATING LLC

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
EXIT Leg #1	330	FNL	990	FEL	25S	33E	25	Aliquot NENE	32.107855	-103.520721	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114987	-9407	17400	12731
BHL Leg #1	200	FNL	990	FEL	25S	33E	25	Aliquot NENE	32.108213	-103.520721	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 114987	-9426	17561	12750

APD ID: 10400025238 **Submission Date:** 12/05/2017

Operator Name: COG OPERATING LLC

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	UNKNOWN	3324	0	0		NONE	No
2	RUSTLER	2150	1174	1174		NONE	No
3	TOP SALT	1749	1575	1575	SALT	NONE	No
4	BASE OF SALT	-1811	5135	5135	ANHYDRITE	NONE	No
5	LAMAR	-1929	5253	5253	LIMESTONE	NONE	No
6	BELL CANYON	-1971	5295	5295		NONE	No
7	CHERRY CANYON	-2970	6294	6294		NATURAL GAS,OIL	No
8	BRUSHY CANYON	-4550	7874	7874		NATURAL GAS,OIL	No
9	BONE SPRING LIME	-6016	9340	9340	SANDSTONE	NATURAL GAS,OIL	No
10	UPPER AVALON SHALE	-6090	9414	9414	SHALE	NATURAL GAS,OIL	No
11	---	-6701	10025	10025		NATURAL GAS,OIL	No
12	BONE SPRING 1ST	-7048	10372	10372		NATURAL GAS,OIL	No
13	BONE SPRING 2ND	-8086	11410	11410		NATURAL GAS,OIL	No
14	BONE SPRING 3RD	-8690	12014	12014		NATURAL GAS,OIL	No
15	WOLFCAMP	-9099	12423	12423		NATURAL GAS,OIL	Yes
16	STRAWN	-10926	14250	14250		NATURAL GAS,OIL	No

Section 2 - Blowout Prevention

Operator Name: COG OPERATING LLC

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	13.5	10.75	NEW	API	N	0	1200	0	1200	-8653	-9678	1200	N-80	45.5	OTHER - BTC	4.5	1.18	DRY	19.05	DRY	19.05
2	INTERMEDIATE	9.875	7.875	NEW	API	Y	0	12040	0	12040	-8653	-20153	12040	P-110	29.7	OTHER - BTC	1.26	1.03	DRY	3.04	DRY	3.04
3	PRODUCTION	6.75	5.0	NEW	API	N	0	17561	0	17561	-8653	-21064	17561	P-110	18	OTHER - BTC	1.83	1.89	DRY	3.18	DRY	3.18

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

COG_Dominator_702H_Casing_Rpt_20171204141320.pdf

Operator Name: COG OPERATING LLC

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		0	17561	650	1.24	14.4	806	35	Tail: 50:50:2 Class H Blend	As needed

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

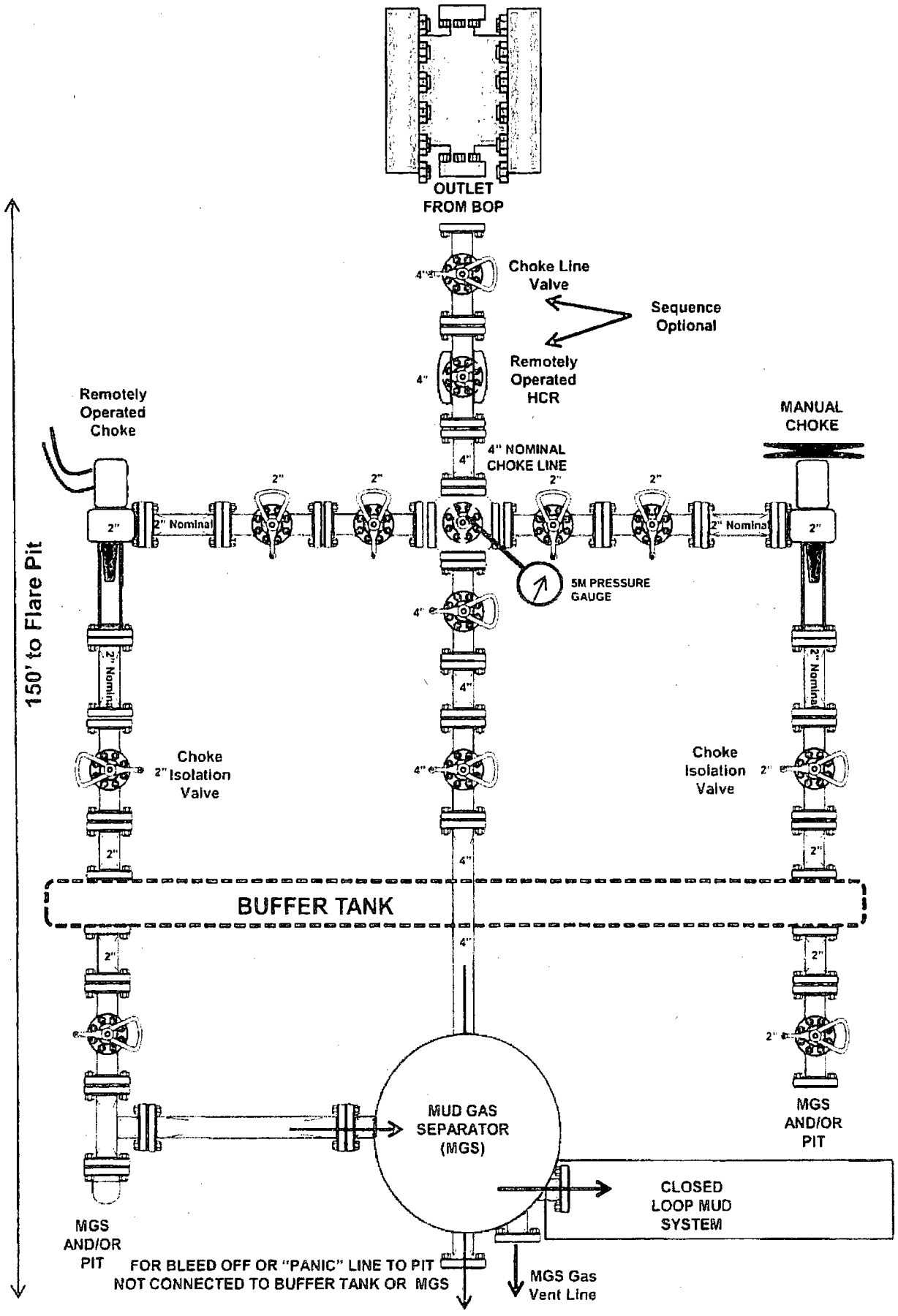
Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

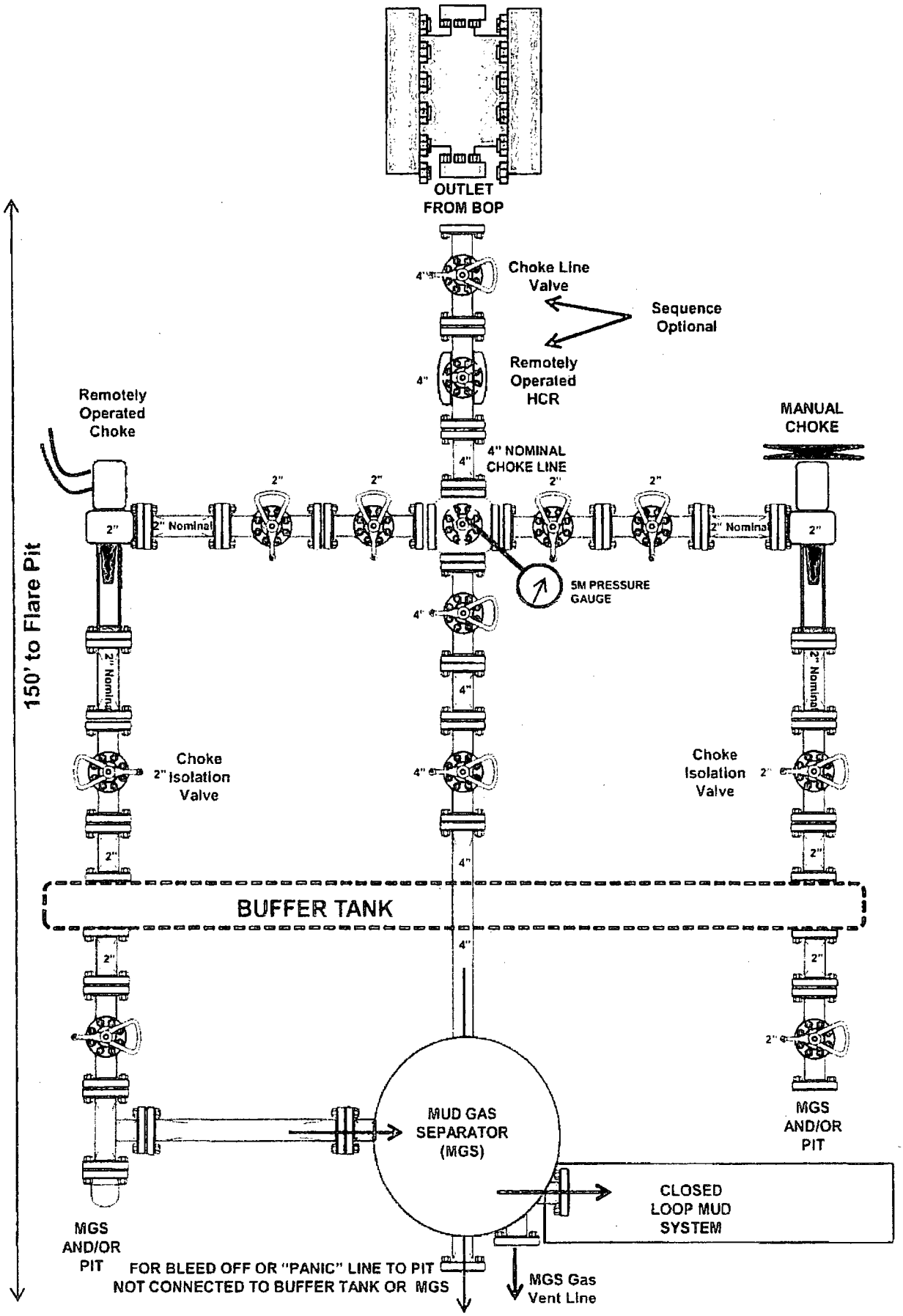
Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
12040	17561	OIL-BASED MUD	9.6	12							OBM
0	1200	OTHER : FW Gel	8.6	8.8							FW Gel
1200	12040	OTHER : Brine Diesel Emulsion	8.4	9							Brine Diesel Emulsion

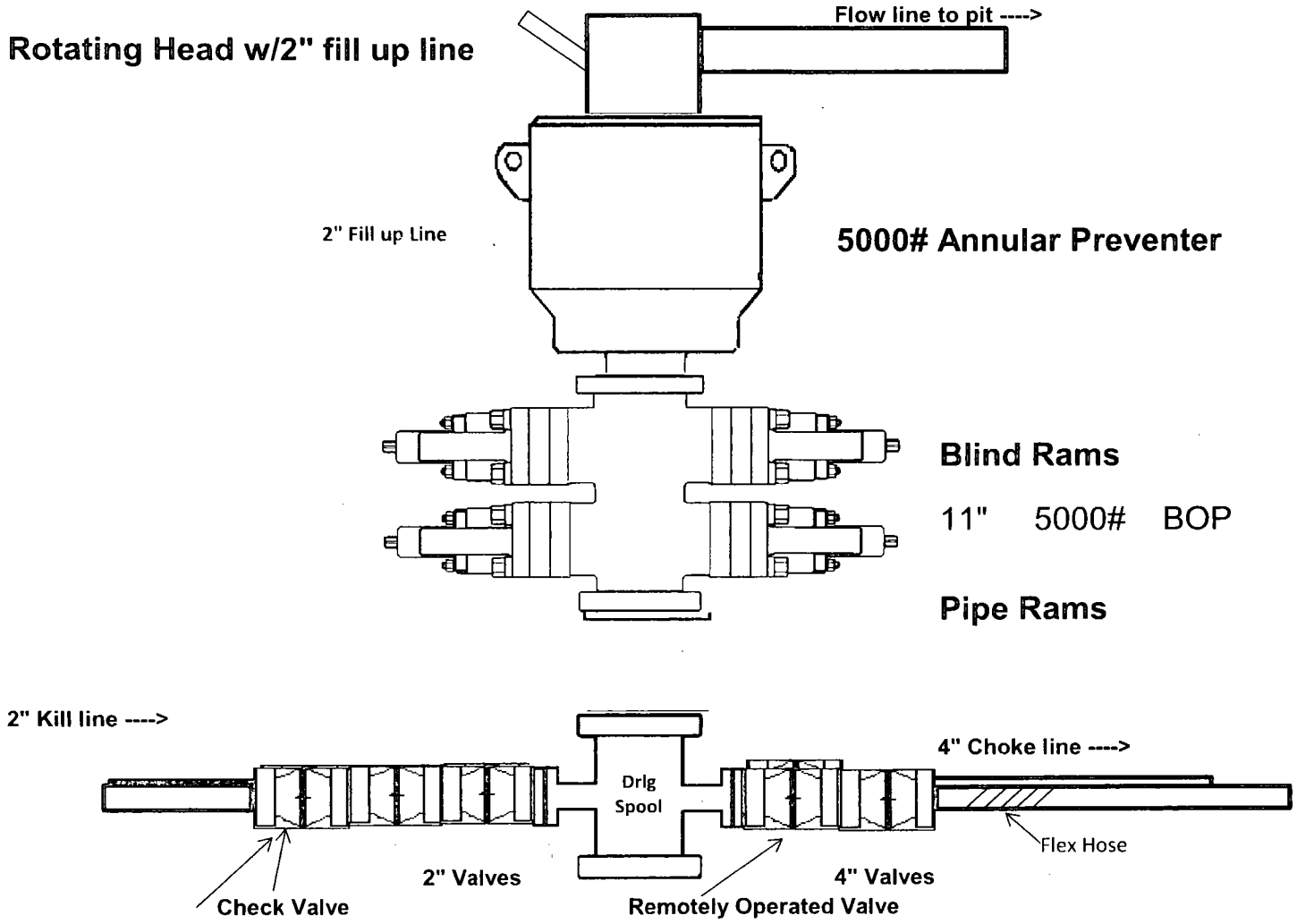
5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)



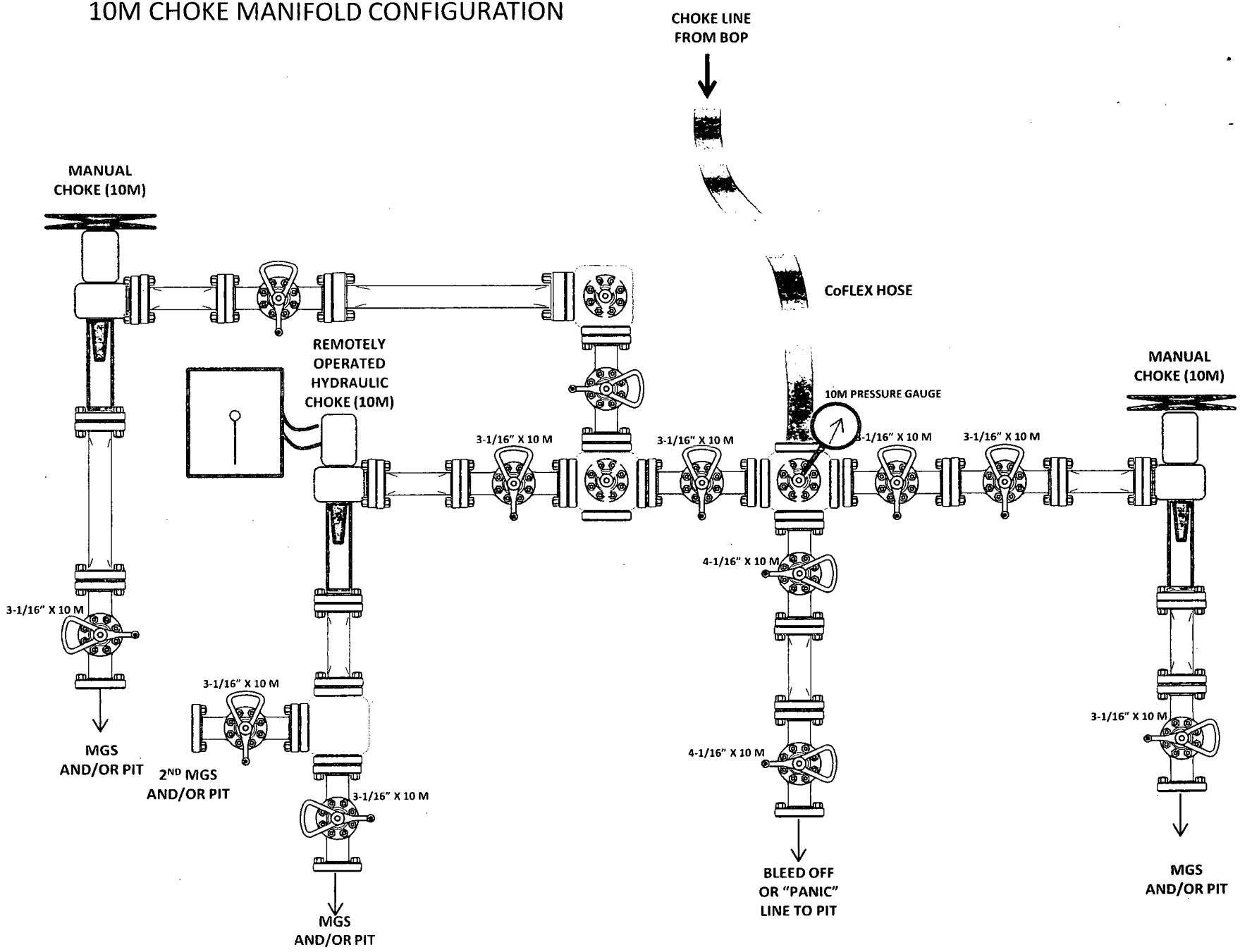
5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)



5,000 psi BOP Schematic



10M CHOKE MANIFOLD CONFIGURATION



COG Operating LLC, Columbus Federal Com 21H

Casing Program

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Col	SF Burst	SF Tension
13.5"	0'	1025'	10 ¾"	45.5	L80	STC	5.14	.86	14.7
9 7/8"	0'	11,500'	7 5/8"	29.7	HCP110	BTC	1.125	1.27	2.74
6 ¾"	0'	22,397'	5.5"	23	P110	Ultra SF	1.95	1.95	2.5
				BLM Minimum Safety Factor			1.125	1.125	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

- Burst SF on Surf is 0.86 > 0.7.
- 5.5" Ultra SF connection OD = 5.65".

COG Operating LLC, Columbus Federal Com 21H

Casing Program

Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Col	SF Burst	SF Tension
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All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

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Casing Program

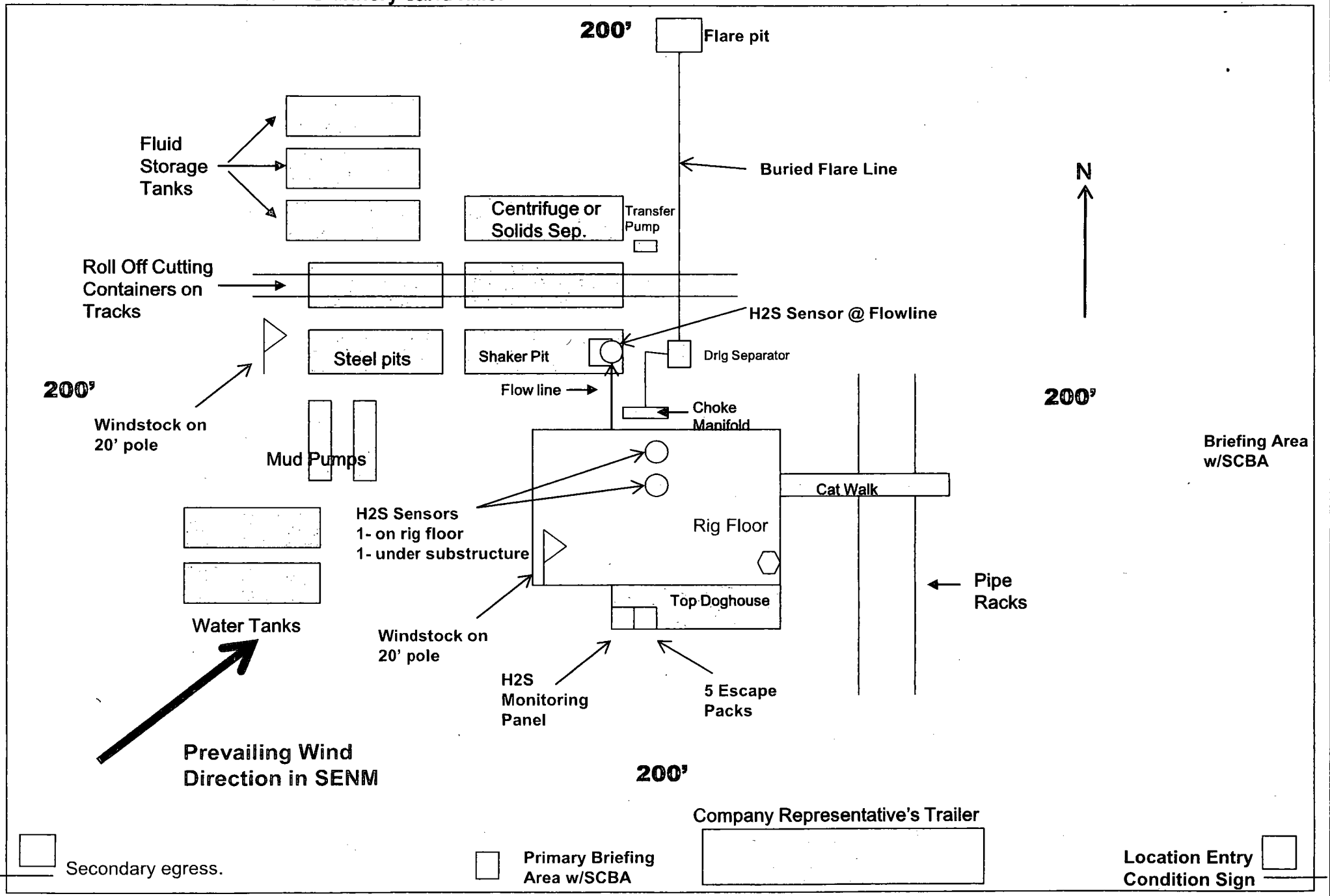
Hole Size	Casing Interval From	Casing Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body
13.5"	0	1200	10.75"	45.5	N80	BTC	4.50	1.18	19.05
9.875"	0	12040	7.875"	29.7	P110	BTC	1.26	1.03	3.04
6.75"	0	11540	5.5"	23	P110	BTC	1.83	1.89	3.18
6.75"	11540	17,561	5"	18	P110	BTC	1.83	1.89	3.18
			BLM Minimum Safety Factor				1.125	1	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and
All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

The 5" casing will be run back 500' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

COG Operating LLC
H_2S Equipment Schematic
Terrain: Shinnery sand hills.

Well pad will be 400' x 400'
with cellar in center of pad



COG Operating, LLC - Dominator 25 Federal #702H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
9-7/8"	13-5/8"	5M	Annular	x	3000 psi
			Blind Ram		5M
			Pipe Ram		
			Double Ram		
			Other*		
6-3/4"	13-5/8"	10M	Annular	x	50% testing pressure
			Blind Ram	x	10M
			Pipe Ram	x	
			Double Ram		
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
	N Are anchors required by manufacturer?
N	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	7960 psi at 12750' TVD
Abnormal Temperature	NO 180 Deg. F.

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

8. Other Facets of Operation

Y	Is it a walking operation?
N	Is casing pre-set?

x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

- Time of shut-in
- SIDPP and SICP
- Pit gain

8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
9. Prepare for well kill operation.

Running Casing

1. Sound alarm (alert rig crew)
2. Stab crossover and valve and close the valve
3. Shut-in the well with annular with HCR and choke in closed position
4. Confirm shut-in
5. Notify contractor and company representatives
6. Read and record the following data
   - Time of shut-in
   - SIDPP and SICP
   - Pit gain
7. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
8. Prepare for well kill operation

No Pipe in Hole (Open Hole)

1. At any point when pipe or BHA are not in BOP stack, well will be shut in with blind rams, HCR will be open and choke will be closed. If pressure increase is observed:
2. Sound alarm (alert crew)
3. Confirm shut-in
4. Notify contractor and company representatives
5. Read and record the following data
   - Time of shut-in
   - Time of pressure increase
   - SICP
6. Prepare for well kill operation

Pulling BHA through BOP Stack

1. Prior to pulling last joint/stand of drillpipe through the stack, perform a flow check. If well is flowing:
   a. Sound alarm (alert crew)
   b. Stab full opening safety valve and close the valve
   c. Space out drill string with tooljoint just beneath the upper pipe ram.
   d. Shut-in the well with upper pipe ram with HCR and choke in closed position
   e. Confirm shut-in
   f. Notify contractor and company representatives
   g. Read and record the following data
      - Time of shut-in
      - SIDPP and SICP
      - Pit gain
   h. Prepare for well kill operation.

Tripping Pit Drills (either in the hole or out of the hole)

Action	Responsible Party
Initiate Drill • Lift Flow Sensor or Pit Float to indicate a kick • Immediately record start time	Company Representative / Rig Manager
Recognition • Driller recognizes indicator • Suspends tripping operations • Conduct Flow Check	Driller
Initiate Action • Sound alarm, notify rig crew that the well is flowing	Company Representative / Rig Manager
Reaction • Position tool joint above rotary and set slips • Stab FOSV and close valve • Driller moves to BOP remote and stands by • Crew is at their assigned stations • Time is stopped • Record time and drill type in the Drilling Report	Driller / Crew

Choke

Action	Responsible Party
• Have designated choke operator on station at the choke panel • Close annular preventer • Pressure annulus up 200-300 psi • Pump slowly to bump the float and obtain SIDPP • At choke operator instruction, slowly bring pumps online to slow pump rate while holding casing pressure constant at the SICP. • Allow time for the well to stabilize. Mark and record circulating drillpipe pressure. • Measure time lag on drillpipe gauge after choke adjustments. • Hold casing pressure constant as pumps are slowed down while choke is closed. • Record time and drill type in the Drilling Report	Company Man / Rig Manager & Rig Crew

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: Blading

Access other construction information: No turnouts are planned. Re routing access road around proposed well location.

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: None necessary.

Road Drainage Control Structures (DCS) description: None needed.

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

COG_Dominator_702H_1Mile_Data_20171204140106.pdf

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Production will be sent to the Dominator 25 Federal CTB 4 facility. A surface flow line of approximately 60.6' of 3.5" steel pipe carrying oil, gas and water under a maximum pressure of 125 psi will follow the road to the facility at the Dominator 25 Federal CTB 4 location. We plan to install a 4" surface polyethylene pipe transporting Gas Lift Gas from the Dominator 25 Federal CTB 4 to the multiple well pad that includes the Dominator 25 Federal Com #102H, #301H, #401H, #501H, #601H, #602H, 701H and #702H wells. The surface Gas Lift Gas pipe of approximately 60.6' under a maximum pressure of 125 psi will be installed no farther than 10 feet from the edge of the road.

Production Facilities map:

COG_Dominator_CTB_4_20171201102558.pdf

COG_Dominator_702H_Flowlines_20171204140122.pdf

COG_Dominator_702H_ProdFacil_20171204140130.pdf

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Construction Materials description: Caliche will be obtained from the actual well site if available. If not available onsite, caliche will be purchased from approved BLM federal pit located in Section 23. T25S. R33E.
Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Drilling fluids and produced oil and water during drilling and completion operations

Amount of waste: 6000 barrels

Waste disposal frequency : One Time Only

Safe containment description: All drilling waste will be stored safely and disposed of properly

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: SEWAGE

Waste content description: Human waste and gray water

Amount of waste: 250 gallons

Waste disposal frequency : Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: YES

Ancillary Facilities attachment:

COG_Dominator_702H_GCP_20171204140228.pdf

Comments: GCP Attached

Section 9 - Well Site Layout

Well Site Layout Diagram:

COG_Dominator_CTB_4_20171201102619.pdf

COG_Dominator_702H_Flowlines_20171204140241.pdf

COG_Dominator_702H_ProdFacil_20171204140248.pdf

Comments: Production will be sent to the Dominator 25 Federal CTB 4 facility. A surface flow line of approximately 60.6' of 3.5" steel pipe carrying oil, gas and water under a maximum pressure of 125 psi will follow the road to the facility at the Dominator 25 Federal CTB 4 location. We plan to install a 4" surface polyethylene pipe transporting Gas Lift Gas from the Dominator 25 Federal CTB 4 to the multiple well pad that includes the Dominator 25 Federal Com #102H, #301H, #401H, #501H, #601H, #602H, 701H and #702H wells. The surface Gas Lift Gas pipe of approximately 60.6' under a maximum pressure of 125 psi will be installed no farther than 10 feet from the edge of the road.

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: DOMINATOR 25 FEDERAL

Multiple Well Pad Number: 102H, 301H, 401H, 501H, 601H, 602H, 701H AND 702H

Recontouring attachment:

Drainage/Erosion control construction: Due to the relatively flat topography of this well pad, 460' of waddles would be placed on the north side of the well pad to avoid surface erosion to reduce sediment impacts to fragile/sensitive soils.
Drainage/Erosion control reclamation: Reclaim the east side 80'.

Well pad proposed disturbance (acres): 3.67
Road proposed disturbance (acres): 3.62
Powerline proposed disturbance (acres): 0
Pipeline proposed disturbance (acres): 0.01
Other proposed disturbance (acres): 22.96
Total proposed disturbance: 30.26

Well pad interim reclamation (acres): 0.73
Road interim reclamation (acres): 3.62
Powerline interim reclamation (acres): 0
Pipeline interim reclamation (acres): 0.01
Other interim reclamation (acres): 0
Total interim reclamation: 4.36

Well pad long term disturbance (acres): 2.94
Road long term disturbance (acres): 3.62
Powerline long term disturbance (acres): 0
Pipeline long term disturbance (acres): 0.01
Other long term disturbance (acres): 22.96
Total long term disturbance: 29.53

Reconstruction method: New construction of pad.

Operator Name: COG OPERATING LLC

Well Name: DOMINATOR 25 FEDERAL **Well Number:** 702H

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name: Rand **Last Name:** French

Phone: (432)254-5556 **Email:** rfrench@concho.com

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? NO

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: N/A

Weed treatment plan attachment:

Monitoring plan description: N/A

Monitoring plan attachment:

Success standards: N/A

Pit closure description: N/A

Pit closure attachment:

COG_Dominator_702H_Closed_Loop_20171204140304.pdf

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment: