

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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 Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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

Form C-101
August 1, 2011
Permit 232800

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address COG OPERATING LLC One Concho Center Midland, TX 79701		2. OGRID Number 229137
4. Property Code 317522		3. API Number 30-025-43683
5. Property Name COONSKIN FEE		6. Well No. 025H

7. Surface Location

UL - Lot	C	Section	28	Township	24S	Range	35E	Lot Idn	C	Feet From	210	N/S Line	N	Feet From	2310	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	F	Section	33	Township	24S	Range	35E	Lot Idn	F	Feet From	2440	N/S Line	N	Feet From	2310	E/W Line	W	County	Lea
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9. Pool Information

WC-025 G-09 S243532M;WOLFBONE	98098
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3318
16. Multiple N	17. Proposed Depth 19819	18. Formation Wolfcamp	19. Contractor	20. Spud Date 3/17/2017
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	20	16	65	625	650	
Int1	14.75	10.75	45.5	5280	1900	
Int2	9.825	7.625	29.7	11850	1725	
Prod	6.75	5.5	20	19819	1250	11000

Casing/Cement Program: Additional Comments

Plan to drill a 20" hole to 625' with Fresh Water. Run 16", 65# J-55 csg and cmt to surface. Drill 14-3/4" hole to 5,280' with Brine, and run 10-3/4", 45.5# HCN-80 csg and cement to surface. Drill 9-7/8" hole to 11,850' with cut brine, and run 7-5/8", 29.7# HCP-110 csg and cement to surface. Drill 6-3/4" pilot hole to 12,825'. Plug back with cement and drill 6-3/4" curve and lateral with OBM to approximately 19,819' MD. Run 5-1/2", 20#, HCP-110 x 5"18# HCP-110 tapered csg string and cement to 11,000'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Horn

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: production@concho.com Date: 3/9/2017	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 3/13/2017 Expiration Date: 3/13/2019 Conditions of Approval Attached
Phone: 432-683-7443	

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Form C-102
August 1, 2011
Permit 232800

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-43683	2. Pool Code 98098	3. Pool Name WC-025 G-09 S243532M;WOLFBONE
4. Property Code 317522	5. Property Name COONSKIN FEE	6. Well No. 025H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3318

10. Surface Location

UL - Lot C	Section 28	Township 24S	Range 35E	Lot Idn C	Feet From 210	N/S Line N	Feet From 2310	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot F	Section 33	Township 24S	Range 35E	Lot Idn F	Feet From 2440	N/S Line N	Feet From 2310	E/W Line W	County Lea
12. Dedicated Acres 240.00	13. Joint or Infill		14. Consolidation Code				15. 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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>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 unleased mineral interest in the land including the proposed bottom hole location(s) 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 heretofore entered by the division.</i></p> <p>E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 3/9/2017</p>
	<p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Surveyed By: Chad Harcrow Date of Survey: 12/20/2016 Certificate Number: 17777</p>

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Form APD Comments
 Permit 232800

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-025-43683
		Well: COONSKIN FEE #025H
Created By	Comment	Comment Date
mreyes3	OIL: COG Operating has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary.	3/9/2017

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Form APD Conditions

Permit 232600

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-025-43683
	Well: COONSKIN FEE #025H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	1) SURFACE & INTERMEDIATE1 CASING - Cement must circulate to surface -- 2) INTERMEDIATE2 CASING - Cement must tie back into intermediate1 casing -- 3) PRODUCTION CASING - Cement must tie back into intermediate2 casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	Only Fresh Water and Air are Valid Drilling Fluids for Surface Casing
pkautz	Operator shall notify appropriate District office when setting conductor pipe.
pkautz	The Operator is to notify NMOCB by sundry (Form C-103) within ten (10) days of spudding a well.
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Must notify OCD Hobbs Office of any water flows in the Salado Formation at 575-370-3186. Report depth and flow rate
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.
pkautz	Submit Gas Capture Plan form prior to spud