

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 208866

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 39335		3. API Number 30-025-42741
5. Property Name QUESO STATE		6. Well No. 006H

7. Surface Location

UL - Lot	P	Section	36	Township	23S	Range	32E	Lot Idn	P	Feet From	373	N/S Line	S	Feet From	280	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	A	Section	36	Township	23S	Range	32E	Lot Idn	A	Feet From	330	N/S Line	N	Feet From	380	E/W Line	E	County	Lea
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9. Pool Information

TRISTE DRAW;BONE SPRING	96603
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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 3639
16. Multiple N	17. Proposed Depth 13894	18. Formation Bone Spring	19. Contractor	20. Spud Date 8/26/2015
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	17.5	13.375	54.5	1225	800	
Int1	12.25	9.625	40	5050	1200	
Prod	8.75	5.5	17	13894	1800	4550

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 1225' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5050' with Brine, and run 9-5/8", 40# J55 and cement to surface. Drill 8-3/4" vertical, curve, and lateral with cut brine to approximately 13,894' MD. Run 5-1/2", 17#, P-110 csg and cement to 4550'.

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: 8/19/2015	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 8/20/2015 Expiration Date: 8/20/2017 Conditions of Approval Attached
Phone: 432-683-7443	

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Form C-102
August 1, 2011
Permit 208866

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42741	2. Pool Code 96603	3. Pool Name TRISTE DRAW;BONE SPRING
4. Property Code 39335	5. Property Name QUESO STATE	6. Well No. 006H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3639

10. Surface Location

UL - Lot P	Section 36	Township 23S	Range 32E	Lot Idn P	Feet From 373	N/S Line S	Feet From 280	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot A	Section 36	Township 23S	Range 32E	Lot Idn A	Feet From 330	N/S Line N	Feet From 380	E/W Line E	County Lea
12. Dedicated Acres 160.00			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

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Form APD Comments

Permit 208866

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-025-42741
		Well: QUESO STATE #006H
Created By	Comment	Comment Date
mreyes1	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.	8/19/2015

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Form APD Conditions

Permit 208866

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701	API Number: 30-025-42741
	Well: QUESO STATE #006H

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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate 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	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
pkautz	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.