

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

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

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND, TX 79701		2. OGRID Number 229137
4. Property Code 35472		3. API Number 30-015-34654
5. Property Name ALADDIN 11 STATE		6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	11	24S	23E	K	1707	S	1950	W	EDDY

8. Pool Information

HESS,MORROW, EAST (GAS)	78380
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4380
14. Multiple N	15. Proposed Depth 10900	16. Formation Morrow	17. Contractor	18. Spud Date 2/28/2006
Depth to Ground water 100		Distance from nearest fresh water well > 1000		Distance to nearest surface water 250
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 35000 _____ bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input checked="" type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	350	0
Int1	12.25	8.625	32	2600	950	0
Prod	7.875	5.5	17	10900	500	6000

Casing/Cement Program: Additional Comments

Dr 17-1/2" hole w/fr wtr to 400'. Run & set 13-3/8" 48# H40 STC csg @ 400'. Cmt w/150 sx C cmt + add, followed by 200 sx C cmt + add. Circ cmt to surface. Dr 12-1/4" hole w/fr wtr-air to 2600'. Run & set 8-5/8" 32# J55 STC csg @ 2600'. Cmt w/750 sx 50/50 Poz C lite + add, followed by 200 sx C cmt + add. Circ cmt to surface. Dr 7-7/8" hole w/fr wtr-cut brine to 10,900'. Run & set 5-1/2" 17# N80/P110 LTC csg @ 10,900'. Cmt w/ 500 sx H + add. Est TOC @ 8000'

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1250	
DoubleRam	5000	5000	
Annular	3000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that the drilling pit will be constructed according to NMOCB guidelines ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Diane Kuykendall

Title: Regulatory Analyst

Email Address: dkuykendall@conchoresources.com

Date: 2/27/2006 Phone: 432-685-4372

OIL CONSERVATION DIVISION

Approved By: Bryan Arrant

Title: Geologist

Approved Date: 3/5/2006 Expiration Date: 3/5/2007

Conditions of Approval Attached

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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Santa Fe, NM 87505

Form C-102
 Permit 16916

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-34654	2. Pool Code 78380	3. Pool Name HESS,MORROW, EAST (GAS)
4. Property Code 35472	5. Property Name ALADDIN 11 STATE	6. Well No. 001
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 4380

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00	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

	OPERATOR CERTIFICATION		
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> E-Signed By: Diane Kuykendall Title: Regulatory Analyst Date: 2/27/2006		
	SURVEYOR CERTIFICATION		
	<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> Surveyed By: Ronald Eidson Date of Survey: 9/27/2005 Certificate Number: 3239		

Permit Comments

Operator: COG OPERATING LLC , 229137

Well: ALADDIN 11 STATE #001

API: 30-015-34654

Created By	Comment	Comment Date
PEDWARDS	Sources at COG Operating LLC have relayed information to me that they believe there will not be enough H2S found from the surface to the Morrow formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.	2/17/2006

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: ALADDIN 11 STATE #001

API: 30-015-34654

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	Cement to cover all oil, gas and water bearing formations.
BArrant	Please notify OCD time of spud and time to witness the cementing of the surface and intermediate casing.