

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

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		² OGRID Number 299137
³ Property Code	⁴ Property Name COLORADO BROWN HACKLE 16 STATE	⁵ API Number 30-015-33441
⁹ Proposed Pool 1 Wildcat; Canyon (Gas)		⁶ Well No. 1
⁷ Surface Location		¹⁰ Proposed Pool 2

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	20S	23E		747	SOUTH	1354	WEST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

¹¹ Work Type Code P Check this...	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4193 GR
¹⁶ Multiple N	¹⁷ Proposed Depth	¹⁸ Formation Wildcat; Canyon (Gas)	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4	9-5/8	26	1331	1425	SURFACE
8-3/4	5-1/2	17	8799	800	SURFACE

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Well is currently completed in the Indian Basin; Morrow, NW formation with perforations from 8496' – 8550'.
COG Operating LLC proposes to recomplete to the CANYON formation as follows:

- Set CIBP @ 8425'. Dump 35' cmt on CIBP.
- Perf Canyon w/ 1 SPF 6764' – 6794' (30'), 30 holes and 6800' – 6830' (30'), 30 holes.
- Acidize w/ 5000 gallons 15% HCl. Swab & test well.
- Return to production from Canyon formation.

²³ 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 NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐

Printed name: **Phyllis A. Edwards**
Title: **Regulatory Analyst**
E-mail Address: **pedwards@conchoresources.com**
Date: **8-11-06** Phone: **432-685-4340**

OIL CONSERVATION DIVISION

Approved by:

Title: **BRYAN G. ARRANT**

Approval Date:

AUG 16 2006

Conditions of Approval Attached ☐

DISTRICT II GEOLOGIST

Expiration Date:

AUG 16 2007

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State of New Mexico
Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

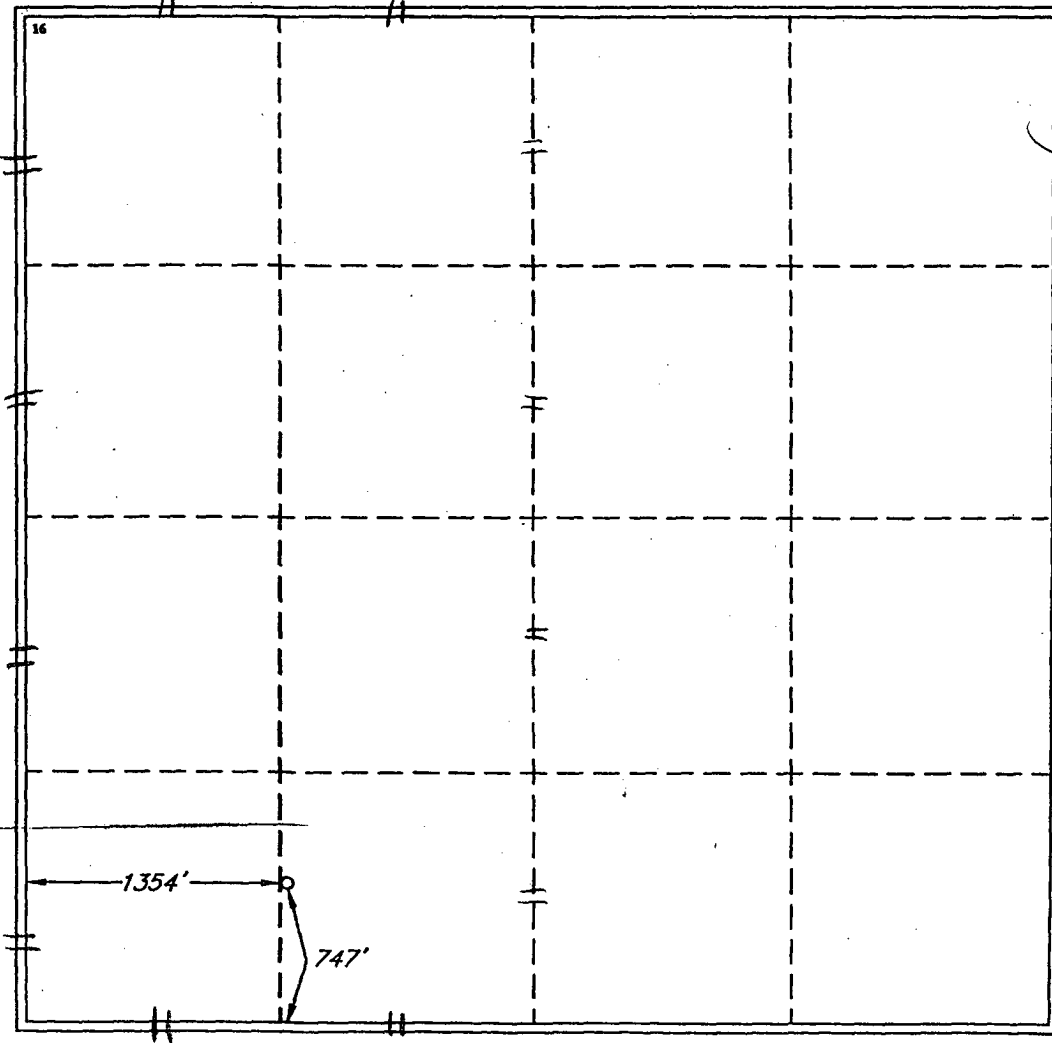
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33441		² Pool Code		³ Pool Name Wildcat Canyon	
⁴ Property Code 300621	⁵ Property Name COLORADO BROWN HACKLE STATE "16"			⁶ Well Number 1	
⁷ OGRID No. 229137	⁸ Operator Name COG Operating, LLC			⁹ Elevation 4193'	

¹⁰ Surface Location									
UL or lot no. N	Section 16	Township 20 SOUTH	Range 23 EAST, N.M.P.M.	Lot Idn	Feet from the 747'	North/South line SOUTH	Feet from the 1354'	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 3.20		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Phyllis A. Edwards</i>	
Signature	
PHYLLIS A. EDWARDS	
Printed Name	
REGULATORY ANALYST	
Title	
8-11-06	
Date	
¹⁸ SURVEYOR CERTIFICATION	
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.	
MARCH 31, 2004	
Date of Survey	
Signature and Seal of Professional Surveyor	
Certificate Number	
V. L. BEZNER R.P.S. #7920	
JOB #93963-A / 76SW / J.C.P.	