

COG OPERATING LLC

Boo Radley Com # 701H- 703H
Section 16-T26S-28E
Eddy County, New Mexico

Case No. 21410
BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING September 22, 2020



**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF COG OPERATING LLC
FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 21410

AMENDED AFFIDAVIT OF LIZZY LAUFER, LANDMAN

Lizzy Laufer, being of lawful age and duly sworn, states the following:

1. My name is Lizzy Laufer, and I am employed by COG Operating LLC ("COG") as a Landman.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters and my credentials have been accepted by the Division and made a matter of record.
3. I am familiar with the application filed by COG this case and the status of the lands in the subject area.
4. None of the mineral owners to be pooled have expressed opposition to this case proceeding by affidavit, so I do not expect any opposition at the hearing.
5. In this case, COG seeks an order pooling all uncommitted interests in the Wolfcamp formation (Purple Sage; Wolfcamp (Gas) Pool [98220]) underlying standard 1,538.88-acre, more or less, horizontal spacing unit comprised of all of Sections 21, 28, and 33, Township 26 South, Range 28 East, Eddy County, New Mexico.
6. COG seeks to form and initially dedicate the horizontal spacing unit to the following proposed initial wells:

- The **Boo Radley Com 701H well** (API No. 30-015-pending), and the **Boo Radley Com 702H well** (API No. 30-015-pending), both of which are to be drilled from a common surface hole location in SW/4 SE/4 (Unit O) of Section 16 to bottom hole locations in the SE/4 NE/4 (Lot 4) of Section 33;
- The **Boo Radley Com 703H well** (API No. 30-015-pending) to be drilled from a surface hole location in SW/4 SE/4 (Unit O) of Section 16 to a bottom hole location in the SW/4 NE/4 (Lot 3) of Section 33;
- The **Boo Radley Com 704H well** (API No. 30-015-pending) and the **Boo Radley Com 705H well** (API No. 30-015-pending) to be drilled from a common surface hole location in SE/4 SW/4 (Unit N) of Section 16 to bottom hole locations in the SE/4 NW/4 (Lot 2) of Section 33; and
- The **Boo Radley Com 706H well** (API No. 30-015-pending) to be drilled from a surface hole location in SE/4 SW/4 (Unit N) of Section 16 to a bottom hole location in the SW/4 NW/4 (Lot 5) of Section 33.

7. The completed interval for the proposed **Boo Radley Com 704H well** will be within 330' of the quarter-quarter line separating the W/2 and the E/2 of Sections 21, 28, and 33 to allow inclusion of the E/2 of Sections 21, 28, and 33 into a standard horizontal well spacing unit.

8. **COG Exhibit C-1** contains Form C-102s for the proposed initial wells for each spacing unit in numerical order and reflecting that these wells are located in the Purple Sage; Wolfcamp (Gas) Pool (98220).

9. **COG Exhibit C-2** identifies the tracts of land comprising the proposed spacing unit, the working interest ownership in each tract and their respective interest in the horizontal

spacing unit. COG has highlighted on Exhibit C-2 the mineral owners that remain to be pooled for the proposed spacing unit. COG has also listed the overriding royalty interest owners that require pooling. The acreage is comprised of fee, state, and federal lands.

10. An ownership depth severance exists within in the Wolfcamp formation underlying the subject acreage at 9500'. COG is has reached agreements with the affected parties regarding the allocation of production for the subject horizontal spacing unit. The percentage of each interest above and below the depth severance is provided on **COG Exhibit C-3**.

11. COG has conducted a diligent search of company records, county records, telephone directories and conducted computer searches to locate contact information for each of the mineral owners that it seeks to pool. All of the pooled mineral owners have been located.

12. **COG Exhibit C-4** contains a sample of the letters and AFE's for the proposed wells sent to the working interest owners that COG has been able to locate. The costs reflected on these AFE's are consistent with what COG and other operators have incurred for drilling similar horizontal wells in the area in these formations.

13. **COG Exhibit C-5** contains a chronology of the contacts with the uncommitted mineral owners COG was able to locate. COG has made a good faith effort to obtain voluntary joinder of these owners in the proposed wells.

14. COG requests overhead and administrative rates of \$8,000 per month for drilling and \$800 per month for a producing well. These rates are consistent with the rates charged by COG and other operators for similar wells in this area.

15. I have provided the law firm of Holland and Hart, LLP, with the names and addresses of the mineral owners that COG seeks to pool and instructed that they be notified of this hearing.

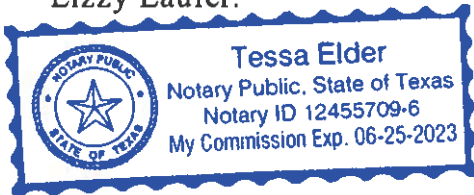
16. COG Exhibits C-1 through C-5 were prepared by me or compiled under my direction from company business records.

FURTHER AFFIANT SAYETH NAUGHT.

E. Laufer
LIZZY LAUFER

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

SUBSCRIBED and SWORN to before me this 21st day of September 2020 by
Lizzy Laufer.



Tessa Elder
NOTARY PUBLIC

My Commission Expires:
6/25/2023

LEASEHOLD OWNERSHIP FROM BASE OF MOINE SPRINGS TO A-500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
LEASEHOLD OWNER	TR 1A-B-C	TR 1B	TR 2	TR 3	TR 4	TR 5	TR 6	TR 7	TR 8-A	TR 8-B	TR 8-C	TR 8-D	TR 8-E	TR 8-F	TR 8-G	TR 8-H	TR 8-I	TR 8-J	TR 8-K	TR 8-L	TR 8-M	TR 8-N	TR 8-O	TR 8-P	TR 8-Q	TR 8-R	TR 8-S	TR 8-T	TR 8-U	TR 8-V	TR 8-W	TR 8-X	TR 8-Y	TR 8-Z	TR 8-AA	TR 8-AB	TR 8-AC	TR 8-AD	TR 8-AE	TR 8-AF	TR 8-AG	TR 8-AH	TR 8-AI	TR 8-AJ	TR 8-AK	TR 8-AL	TR 8-AM	TR 8-AN	TR 8-AO	TR 8-AP	TR 8-AQ	TR 8-AR	TR 8-AS	TR 8-AT	TR 8-AU	TR 8-AV	TR 8-AW	TR 8-AX	TR 8-AY	TR 8-AZ	TR 8-BA	TR 8-BB	TR 8-BC	TR 8-BD	TR 8-BE	TR 8-BF	TR 8-BG	TR 8-BH	TR 8-BI	TR 8-BJ	TR 8-BK	TR 8-BL	TR 8-BM	TR 8-BN	TR 8-BO	TR 8-BP	TR 8-BQ	TR 8-BR	TR 8-BS	TR 8-BT	TR 8-BU	TR 8-BV	TR 8-BW	TR 8-BX	TR 8-BY	TR 8-BZ	TR 8-CA	TR 8-CB	TR 8-CC	TR 8-CD	TR 8-CE	TR 8-CF	TR 8-CG	TR 8-CH	TR 8-CI	TR 8-CJ	TR 8-CK	TR 8-CL	TR 8-CM	TR 8-CN	TR 8-CO	TR 8-CP	TR 8-CQ	TR 8-CR	TR 8-CS	TR 8-CT	TR 8-CU	TR 8-CV	TR 8-CW	TR 8-CX	TR 8-CY	TR 8-CZ	TR 8-DA	TR 8-DB	TR 8-DC	TR 8-DD	TR 8-DE	TR 8-DF	TR 8-DG	TR 8-DH	TR 8-DI	TR 8-DJ	TR 8-DK	TR 8-DM	TR 8-DN	TR 8-DO	TR 8-DP	TR 8-DQ	TR 8-DR	TR 8-DS	TR 8-DT	TR 8-DU	TR 8-DV	TR 8-DW	TR 8-DX	TR 8-DY	TR 8-DZ	TR 8-EA	TR 8-EB	TR 8-EC	TR 8-ED	TR 8-EE	TR 8-EF	TR 8-EG	TR 8-EH	TR 8-EI	TR 8-EJ	TR 8-EK	TR 8-EL	TR 8-EM	TR 8-EN	TR 8-EO	TR 8-EP	TR 8-EQ	TR 8-ER	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ	TR 8-FA	TR 8-FB	TR 8-FC	TR 8-FD	TR 8-FE	TR 8-FG	TR 8-FH	TR 8-FI	TR 8-FJ	TR 8-FK	TR 8-FL	TR 8-FM	TR 8-FN	TR 8-FO	TR 8-FP	TR 8-FQ	TR 8-FR	TR 8-ES	TR 8-ET	TR 8-EU	TR 8-EV	TR 8-EW	TR 8-EX	TR 8-EY	TR 8-EZ

Well proposal sent	YES
Communication Agreements sent	YES
Designation of Pooled Unit sent	YES
Joint Operating Agreements sent	YES

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Amended Exhibit C2
Submitted by: COG OPERATING LLC
Hearing Date: September 24, 2020
Case No. 21410

Kaitlyn A. Luck

From: Lizzy Laufer <ELaufer@concho.com>
Sent: Monday, September 21, 2020 8:41 AM
To: Kaitlyn A. Luck
Subject: FW: Boo Radley Depth Severance

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Supplement to Exhibit C3
Submitted by: COG OPERATING LLC
Hearing Date: September 24, 2020
Case No. 21410

External Email

We have received confirmation that Oxy is okay with the depth severance in Boo Radley.

Thanks!
Lizzy Laufer

From: Carr, Courtney R <Courtney_Carr@oxy.com>
Sent: Monday, September 21, 2020 9:32 AM
To: Lizzy Laufer <ELaufer@concho.com>; Schneider, John V <John_Schneider@oxy.com>
Cc: Ashley Roush <ARoush@concho.com>
Subject: [External] RE: Boo Radley Depth Severance

Hey Lizzy,

We are good with the 9500' depth severance within the Wolfcamp formation due to the pugh in the various Fowlkes leases.

Thanks!

Courtney Carr
Land Negotiator
Occidental Oil & Gas Corporation
(713) 599-4116

From: Lizzy Laufer <ELaufer@concho.com>
Sent: Monday, September 21, 2020 8:40 AM
To: Schneider, John V <John_Schneider@oxy.com>; Carr, Courtney R <Courtney_Carr@oxy.com>
Cc: Ashley Roush <ARoush@concho.com>
Subject: [EXTERNAL] RE: Boo Radley Depth Severance

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

John/Courtney,

Hope you had a nice weekend. Courtney and I have been negotiating the Boo Radley OA and I wanted to confirm that Oxy is okay with the depth severance. The depth severance is at 9500' and we are pooling above and below 9500' within the Wolfcamp formation. If you could send confirmation that Oxy does not have issues with how COG is treating the depth severance, it would be much appreciated. This will allow us to move forward with hearing.

I will be in the office today, so feel free to give me a call if you have any questions. My office number is 432-221-0470.

Best,
Lizzy Laufer

From: Lizzy Laufer
Sent: Thursday, September 17, 2020 4:18 PM
To: Schneider, John V <John_Schneider@oxy.com>
Subject: RE: Boo Radley Depth Severance

Appreciate it!

Best,
Lizzy Laufer | Landman | COG Operating LLC
600 W. Illinois Avenue | Midland, TX 79701 | 432.221.0470

From: Schneider, John V <John_Schneider@oxy.com>
Sent: Thursday, September 17, 2020 4:12 PM
To: Lizzy Laufer <ELaufer@concho.com>
Subject: [External] RE: Boo Radley Depth Severance

**** External email. Use caution. ****

Hi, Lizzy. Sure thing – will look at tomorrow and get you some feedback.

John Schneider, CPL
Land Manager – New Mexico
Occidental Petroleum
John_Schneider@Oxy.com

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521
Office: 713.366.5330

From: Lizzy Laufer <ELaufer@concho.com>
Sent: Thursday, September 17, 2020 2:56 PM
To: Schneider, John V <John_Schneider@oxy.com>
Subject: [EXTERNAL] FW: Boo Radley Depth Severance

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

John,

I sent the below email to Courtney and saw that she is out of the office until Monday. Our Boo Radley project is going to hearing on the 24th and I was hoping you could confirm that Oxy has no issue with the way COG is treating the depth severance. Attached is my prior email correspondence with Courtney. Please feel free to give me a call at 432-888-1002.

Thank you,

Lizzy Laufer | Landman | COG Operating LLC

600 W. Illinois Avenue | Midland, TX 79701 | 432.221.0470

From: Lizzy Laufer

Sent: Thursday, September 17, 2020 10:36 AM

To: Carr, Courtney R <Courtney_Carr@oxy.com>

Subject: Boo Radley Depth Severance

Hey Courtney,

The Boo Radley wells are going to hearing on September 24th. Prior to the hearing I need confirmation that Oxy has no issues with the way COG is treating the depth severance. As outlined in the attached email, the JOA contract area is broken out by Contract Area A and Contract Area B. Contract Area A covers the depths from the Base of the Bone Spring to 9,500' subsurface, whereas Contract Area B covers the depths from 9,500' subsurface to the Base of the Wolfcamp formation. All proposed Boo Radley wells are located in Contract Area A, above 9,500'. Given that Oxy's working interest slightly varies above and below 9,500', can you please confirm that Oxy has no issues with the way we plan to treat the depth severance? Per the NMOCD requirements we need evidence of your approval.

Your response is much appreciated!

Best,

Lizzy Laufer | Landman | COG Operating LLC

600 W. Illinois Avenue | Midland, TX 79701 | 432.221.0470





P.O. Box 840
Artesia, NM 88211-0840
(575) 736-7000

August 27, 2020

COG Operating
600 W. Illinois Ave
Midland, TX 79701

ATTN: Brittany Hull

RE: Operating Agreement – Boo Radley Fed Com Unit
Eddy County, New Mexico

Dear Brittany Hull,

Enclosed for the referenced well is the following:

- Executed Operating Agreement

If you have any questions or concerns please contact me at 575-736-6606 or by email at ebaker@sharbroenergy.com or Roberto Roybal at rroybal@sharbroenergy.com . Thank you very much.

Best,

Sharbro Energy, LLC

A handwritten signature in black ink that reads "Elizabeth Baker". The signature is written in a cursive, flowing style.

Elizabeth Baker
Landman

Enclosures:



OXY USA Inc.

By _____

Type or print name

Title _____

Date _____

Tax ID or S.S. No. _____

OXY Y-1 Company

By _____

Type or print name

Title _____

Date _____

Tax ID or S.S. No. _____

Sharbro Energy, LLC

By Elizabeth Baker

Elizabeth Baker

Type or print name

Title Attorney-in-Fact

Date August 27, 2020

Tax ID or S.S. No. 45-2401867

The Allar Company

By _____

Type or print name

Title _____

Date _____

Tax ID or S.S. No. _____

Chevron U.S.A. Inc.

By _____

Type or print name

Title _____

Date _____

Tax ID or S.S. No. _____

ACKNOWLEDGMENTS

Note: The following forms of acknowledgment are the short forms approved by the Uniform Law on Notarial Acts. The validity and effect of these forms in any state will depend upon the statutes of that state.

Individual acknowledgment:

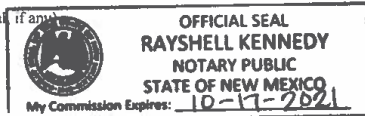
State of New Mexico)
) ss.
County of Eddy)

This instrument was acknowledged before me on

August 27, 2020

by Elizabeth Baker, as Attorney-in-Fact

(Seal, if any)



Rayshell Kennedy
Title (and Rank) Notary Public
My commission expires 10/17/2021

Acknowledgment in representative capacity:

State of _____)
) ss.
County of _____)

This instrument was acknowledged before me on

_____ by _____ as
_____ of _____

(Seal, if any)

Title (and Rank) _____
My commission expires _____

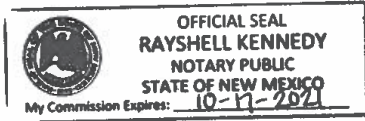
ACKNOWLEDGMENT

Corporate:

STATE OF New Mexico
COUNTY OF Eddy

SS:

The foregoing instrument was acknowledged before me this 27th day of August, 2020, by
Elizabeth Baker, as Attorney-in-Fact of Sharbro Energy, LLC,
a Limited Liability Company corporation, on behalf of said corporation.



Rayshell Kennedy
Notary Public
Notary's Printed Name: Rayshell Kennedy
My Commission Expires: 10-17-2021

Individual:

STATE OF _____
COUNTY OF _____

SS:

The foregoing instrument was acknowledged before me this _____ day of _____, 202____, by

Notary Public
Notary's Printed Name: _____
My Commission Expires: _____

COG Operating LLC _____, who has prepared and circulated this form for execution, represents and warrants that the form was printed from and, with the exception(s) ~~listed below~~ described in the next sentence, is identical to the AAPL Form 610RS-1989 Model Form Recording Supplement to Operating Agreement and Financing Statement, as published in computerized form by Forms On-A-Disk, Inc. No changes, alterations, or modifications, other than those made by strikethrough and/or insertion and ~~that are clearly recognizable as changes in Articles _____~~, have been made to the form.

IN WITNESS WHEREOF, this agreement shall be effective as of the 1st day of June, 2020.

OPERATOR

ATTEST OR WITNESS

COG Operating LLC

By: Mark A. Carter

Type or Print Name

Title: Attorney-in-Fact

Date: _____

Address: _____

NON-OPERATORS

ATTEST OR WITNESS

COG Production LLC

By: Mark A. Carter

Type or Print Name

Title: Attorney-in-Fact

Date: _____

Address: _____

ATTEST OR WITNESS

COG Acreage LP

By: Mark A. Carter

Type or Print Name

Title: Attorney-in-Fact

Date: _____

Address: _____

ATTEST OR WITNESS

Concho Oil & Gas LLC

By: Mark A. Carter

Type or Print Name

Title: Attorney-in-Fact

Date: _____

Address: _____

ATTEST OR WITNESS

OXY USA Inc.

By: _____

Type or Print Name

Title: _____

Date: _____

Address: _____

ATTEST OR WITNESS

OXY Y-1 Company

By: _____

Type or Print Name

Title: _____

Date: _____

Address: _____

ATTEST OR WITNESS

Sharbro Energy, LLC

By: Elizabeth Baker

Type or Print Name

Title: Attorney-in-FactDate: August 27, 2020Address: PO Box 840, Artesia, NM 88211

Boo Radley Fed Com Unit OA

ACKNOWLEDGMENTS

NOTE:

The following forms of acknowledgment are the short forms approved by the Uniform Law on Notarial Acts. The validity and effect of these forms in any state will depend upon the statutes of that state.

Individual Acknowledgment

State of _____ §

§ ss.

County of _____ §

This instrument was acknowledged before me on _____
by _____

(Seal, if any)

Title (and Rank)

My commission expires: _____

Acknowledgment in Representative Capacity

State of New Mexico §

§ ss.

County of Eddy §

This instrument was acknowledged before me on August 27, 2020
by Elizabeth Baker as Attorney-in-Fact of
Sharbro Energy, LLC

(Seal, if any)



Rayshell Kennedy

Title (and Rank) Notary Public

My commission expires: 10/17/2021