

District I
1625 N. French Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
10000 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 Department

Form C-107A
Revised May 15, 2000

Oil Conservation Division

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

EOG RESOURCES, INC.

P.O. BOX 2267

MIDLAND, TX 79702

Operator

WEST CORBIN FEDERAL

#18

Address

F Sec 18, T18S, R33E

Lea

Lease

7377

Well No.

25586

Unit Letter-Section-Township-Range

30 025 3076T

County

OGRID No.

Property

API No.

3072b

Lease Type: ☒ Federal

☐ State

☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Corbin; Bone Spring, South		Corbin; Wolfcamp, South
Pool Code	13160		13320
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8374-8780'		11,032-11,303'
Method of Production (Flowing or Artificial Lift)	Rod Pump		Rod Pump
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	PUMPED OFF		PUMPED OFF
Oil Gravity or Gas BTU (Degree API or Gas BTU)	37.1		37.7
Producing, Shut-In or New Zone	Producing		Shut in
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 1/1/02 14 BOPD Rates: 0.5 BWPD 49 MCFPD	Date: Rates:	Date: 1/1/01 13 BOPD Rates: 2 BWPD 46 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 52 % 52 %	Oil Gas % %	Oil Gas 48 % 48 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Bev Hatfield TITLE Sr. Regulatory Admin. DATE 1-30-02

TYPE OR PRINT NAME Bev Hatfield TELEPHONE NO. (915) 686-3689

Martin Water Laboratories, Inc.

WATER CONSULTANTS SINCE 1953
BACTERIAL AND CHEMICAL ANALYSES

709 W. INDIANA
MIDLAND, TEXAS 79701
(915) 683-4521

P. O. BOX 1468
MONAHANS, TEXAS 79756
(915) 943-3234 or 563-1040

February 1, 2002

Ms. Beverly Hatfield
EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702

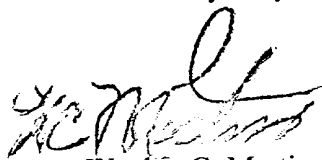
Subject: Compatibility between Bone Spring and Wolfcamp, West Corbin Federal lease.

Dear Ms. Hatfield:

This letter is to provide an evaluation between the above listed waters in Lea county, New Mexico. We have utilized our records of Bone Spring in the S. Corbin field, but the closest records we have of Wolfcamp are about 10-12 miles to the north.

We have studied these records and find no evidence of any incompatibility. This is to say that based on the evidence we have available, we would not expect any precipitation or scaling potential to result from combining Bone Spring and Wolfcamp based on our records in this area.

Yours very truly,



Waylan C. Martin

WCM/am

RECEIVED
FEB 1 2002
MIDLAND, TEXAS

EOG RESOURCES, INC.

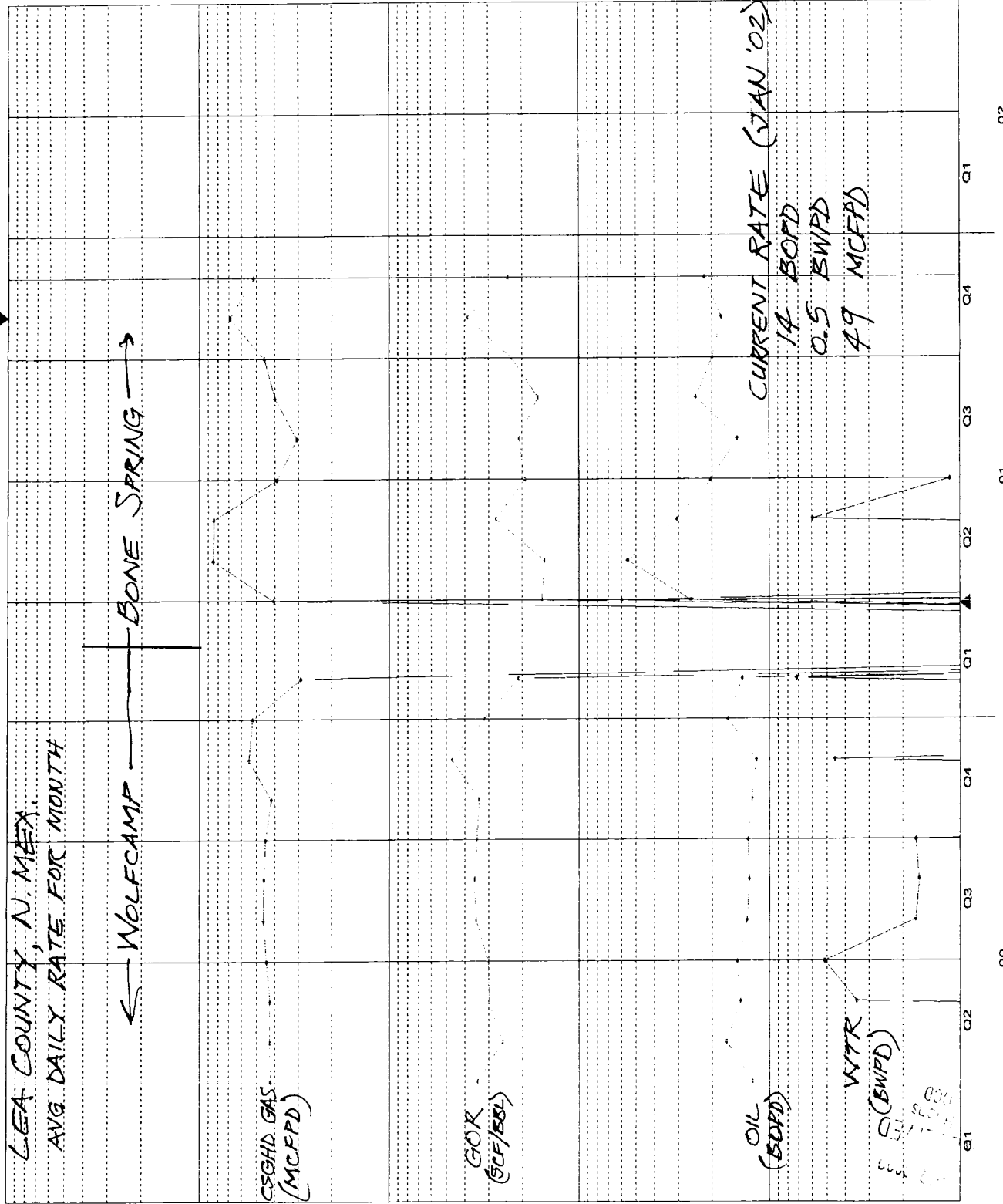
WEST CORBIN FEDERAL NO. 18

WATER-BWPD

GAS-MCFD

OIL-BOPD

# of Wells	10000	1000	100	10	1
GOR-SCF/BBL	100000	10000	1000	100	10



02

01

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WEST CORBIN FEDERAL #18 Lea County, New Mexico

Wgh Revised: 08/31/01

DATA

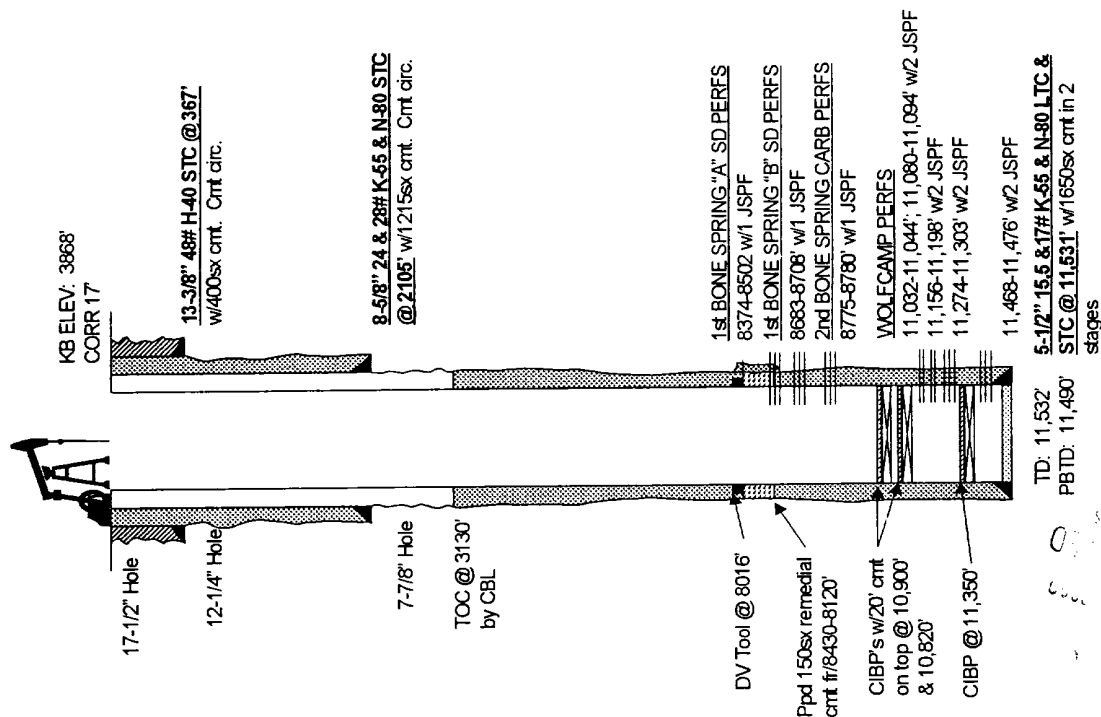
LOCATION: 1980' FNL & 1980' FWL, SEC 18, T18S, R33E
COUNTY/STATE: Lea County, New Mexico
FIELD: Corbin South **API#:** 30-025-30726
SPUD DATE: 11/08/89

FORMATION: Wolfcamp (Shut-in under CIBP)
COMPLETION DATE: 01/10/90
IPF: 250 BOPD, 102 BWPD, 450 MCFPD
PERFS: 11,274-11,476'
CUM PROD: (as of 1/1/00) 246.1 MBO, 247 MMCF, 95.1 MBW
 (Test immediately prior to St: 13 BOPD, 2 BWPD, 46 MCFPD)

FORMATION: Bone Spring (Current producing zone)
COMPLETION DATE: 03/02/01
IPF: 71 BOPD, 89 BWPD, 101 MCFPD
PERFS: 8374-8780' (OA)

HISTORY

Date	Event
11/08/89	Spud well. SET 13-3/8" 48# H-40 STC CSG @ 367' in 17-1/2" hole w/400sx Cl C w/2% CaCl2 & 1/4# Flocele/sx. Cmt circ.
11/13/89	SET 8-5/8" 24 & 28# K-55 & S-80 STC @ 2105' in 12-1/4" hole w/1015sx Pacesetter Lite w/6% gel, 15% salt, 1#/sx HiSeal & 200sx Cl C W 2% CaCl2. Cmt circ.
11/21/89	Drig @ 8012'. Raised mud wt to stop oil influx fr/Delaware.
11/27/89	Lost circ @ 10,302' & cont'd some FL the next day.
12/02/89	Drld to TD 11,531'. Logged well w/ LDT/CNL/GR/CAL & DLL/MSFL/GR & LSS. Took rotary sidewall cores: 8 - Wolfcamp 11,089-11,477'; 10 - 1 st Bone Spring sand 8,379-8,706'; 10 - Delaware Sand 5,028-5,263'.
12/05/89	SET 5-1/2" 15 & 17# K-55 & N-80 STC & LTC CSG @ 11,531' in 7-7/8" hole. Cmt'd in 2 stgs w/500SX Super H w/6% salt, 0.4% LWL, 0.3% CF2. 2 nd stg: 110SX Super H w/5% salt, 0.3% CF2. DV tool @ 8016'.
12/28/89	Ran GR/CBL/CLL. TOC @ 3130', w/no cmt below DV tool 8016-8460'. PERF'D WOLF CAMP 11,468-11,476' w/2 JSPP.



WEST CORBIN FEDERAL #18

Lea County, New Mexico

Wgh Revised: 08/31/01

12/29/89	Spot acid & Acidized Perfs 11,468-11,476' w/1000 gals 15% NEFE HCL & 30 BS @ AIR 3.3 BPM & ATP 6250 psig, max TP 7000 psig. ISIP 5200 psig, 5, 10, 15" SIP 1300 psig. Had 850 psig ball action. Flwd & swbd 73 BLW in 3 hrs.	02/03/01	Perf 4 cmt sqz holes @ 8430' & 4 holes @ 8120'. Set cmt retainer @ 8140'.
12/30/89	Swbd 1.5 BO, 29.5 BW in 4 hourly runs. Swbd dry, last run 35% oil cut.	02/04/01	Ppd 20 bbl FW spacer, 150sx CI H cmt w/0.35% D60 fluid loss. Pressure increased when attempted to squeeze. Displaced cmt w/good circ. Stung out of retainer, reversed out excess cmt & POH.
12/31/89	Swbd 12 BO, 6 BW in 6 runs, swbd dry.	02/06/01	Drid out cmt & ret., held OK.
01/02/90	Set CIBP @ 11,350'. PERF'D WOLFCAMP 11,274-11,303' w/2 JSPF (58 holes).	02/07/01	PERF'D 2 ND BONE SPRING CARBONATE 8775-8780' w/1 JSPF.
01/04/90	Spot acid & Acidized PERFS 11,274-11,303' w/2900 gals 15% NEFE HCL & 90 BS @ AIR 3.5 BPM & ATP 5600 psig, max TP 5900 psig. ISIP 4000 psig, 5" SIP 900 psig, 15" SIP vac. Swbd 115 BLW, 6 hrs w/2% oil cut on last run.	02/08/01	ACIDIZED PERFS 8775-8780' w/1500 gals 15% NEFE HCL @ AIR 3.3 BPM & ATP 3020 psig, max TP 5600 psig. ISIP 2050 psig, 15" SIP 1818 psig. Swbd 70 BLW, 5 hrs, 2% oil cut 1st run, FFL 7500'.
01/05/90	Swbd 65 BO, 84 BLW, 9 hrs w/50% oil cut last run.	02/09/01	Swbd dry, 100% oil on last run. All LW rec.
01/06/90	Flwd 38 BO, 63 BLW overnight & 61 BO, 48 BLW in 9 hrs during day.	02/13/01	PERF'D 1 ST BONE SPRING SD 8683-8708' w/1 JSPF (26 holes).
01/08/90	Flwd 177 BO, 96 BLW last 20 hrs.	02/15/01	FRAC'D PERFS 8683-8780' dwn 2-7/8" tbg w/45,000 gals Viking D2500 x-link gel wtr & 50,000# 16/30 Super DC sd @ AIR 18 BPM & ATP 5250 psig, max TP 6000 psig. Sd conc 1-3 ppg. Treatment screened out when blender malfunctioned, dumping 7 ppg sand slug on formation. ISIP 2180 psig, 15" SIP 1374 psig. SI 3 hrs. Flwd large amt of sd for 1 hr & well cleaned up, flwg 2 BO, 173 BLW, 10 hrs. Flwd 213 BO, 339 BLW, 5 days, Set composite BP @ 8670'. PERF'D 1 ST BONE SPRING SD "A" 8374-8392', 8454', 8456', 8458', 8460', 8496', 8498', 8500', 8502' w/1 JSPF (27 holes).
01/09/90	Flwd 250 BO, 75 BLW last 24 hrs. Put on prod.		
09/14/91	Ran 72 hr SI BHP BU perfs 11,274-11,303': 893 psig @ 11,273'.	02/21/01	BRKDOWN PERFS 8374-8502' W/2000 GALS GEL 2% KCL WTR & 55 BS @ AIR 6 BPM & ATP 3653 psig, max TP 4990 psig. ISIP 1630 psig, 15" SIP 1198 psig. FRAC'D PERFS 8374-8502' dwn 2-7/8" tbg w/50,000 gals Viking D2500 x-link gel wtr & 16,800# 20/40 & 73,200# 16/30 Super DC sd @ AIR 19 BPM & ATP 5278 psig, max TP 5438 psig. Sd conc 1-4 ppg. ISIP 2094 psig, 15" SIP 2019 psig. SI 3 hrs. Flwd 300 BLW, 7 hrs. Swbd 50 BO, 435 BLW over 4 days. Tagged sd @ 8490' (180' fill). Drid up CBP @ 8670'. RIH w/tbg to 9020'. Put on pump.
09/20/91	Ran pmp-in tracer log. No channel behind pipe.	02/22/01	
09/21/91	PERF'D WOLFCAMP 11,156-11,198' w/2 JSPF (86 holes).		
09/22/91	ACIDIZED PERFS 11,156-11,198' w/4400 gals 15% NEFE HCL & 129 BS @ AIR 6 BPM & ATP 100 psig, max TP 300 psig. ISIP vac. Swbd 118 BLW in 7 hrs w/15% oil cut & show of gas at end.		
09/24/91	Swbd 6 BO, 66 BLW, 5 hrs, 15% oil cut last run. PERF'D WOLFCAMP 11,032-11,044': 11,080-11,094' w/2 JSPF (56 holes).		
09/25/91	ACIDIZED PERFS 11,032-11,094' w/2800 gals 15% NEFE HCL & 84 BS @ AIR 5 BPM & ATP 70 psig, max TP 95 psig. ISIP vac. Put on prod.		
10/26/93	Paraffin clean up job w/4 drums Tretolite PAO-100F. Prod before 46 BOPD, 12 BWPD, 70 MCFPD and after 47 BOPD, 11 BWPD, 65 MCFPD.	02/28/01	
02/01/01	RECOMPLETION TO BONE SPRING. Set CIBP @ 10,969'. Could not load hole, BP leaking.	02/29/01	
02/02/01	Spot 20' cmt on top of BP. Set another CIBP @ 10,820' w/20' cmt on top. Tested OK.		

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 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 30-025-30726	² Pool Code 13320	³ Pool Name Corbin; Wolfcamp, South
⁴ Property Code 25586	⁵ Property Name West Corbin Federal	⁶ Well Number 18
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3851

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	18S	33E		1980	North	1980	West	Lea

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 80	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Stan Wagner Printed Name Regulatory Analyst Title 2/20/2003 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.
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

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Form C-102

Revised August 15, 2000

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 30767	² Pool Code 13160	³ Pool Name CORBIN; BONE SPRING, SOUTH
⁴ Property Code 25586	⁵ Property Name WEST CORBIN FEDERAL	⁶ Well Number 18
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3851

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	18S	33E		1980	North	1980	West	Lea

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 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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	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.
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number