# Application

Received: <u>09/23/2019</u>

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

RECEIVED:	REVIEWER:	TYPE:	APP NO:
0/22/10	D/V	CTD	n = 10077110E1
9/25/19	DIVI	CIB	hrer1321144224
	ABOVE	THIS TABLE FOR OCD DIVISION USE O	NLY



NEW MEXICO OIL CONSERVA	ATION DIVISION
- Geological & Engineering 1220 South St. Francis Drive, Santo	
	Observance of the
ADMINISTRATIVE APPLICATION	
THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICA' REGULATIONS WHICH REQUIRE PROCESSING AT THE I	
Applicant: EOG Resources, Inc	OGRID Number: 7377
Well Name: Taipan 31 State 502H & others	API: 30-025-46037
Pool: WC-025 G-07 \$243225C	Pool Code: [97964]
SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIR	
1) TYPE OF APPLICATION: Check those which apply for [A] A. Location – Spacing Unit – Simultaneous Dedication  NSL NSP (PROJECT AREA) NSP	
B. Check one only for [1] or [11]  [1] Commingling – Storage – Measurement  DHC \CTB PLC PC O  [11] Injection – Disposal – Pressure Increase – Enha WFX PMX SWD IPI C	inced Oil Recovery
2) NOTIFICATION REQUIRED TO: Check those which apply.	
A. Offset operators or lease holders	
<ul><li>B.  Royalty, overriding royalty owners, revenue own</li><li>C. Application requires published notice</li></ul>	/ Application
D. ☐ Notification and/or concurrent approval by SLC	Content
E. Notification and/or concurrent approval by BL/	
<ul> <li>F. Surface owner</li> <li>G. For all of the above, proof of notification or put</li> <li>H. No notice required</li> </ul>	olication is attached, and/or,
3) <b>CERTIFICATION:</b> I hereby certify that the information sub administrative approval is <b>accurate</b> and <b>complete</b> to the understand that <b>no action</b> will be taken on this application of this process.	ne best of my knowledge. I also

notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Sarah Mitchell	9 23/19 Date
Print or Type Name	432-848-9133
1	Phone Number
Signature	Sarah_mitchell@eogresources.com e-mail Address

Office	of New Mexico	Form C-103
<u>District I</u> – (575) 393-6161 Energy, Minera	als and Natural Resources	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
District II – (575) 748-1283 811 S. First St., Artesia, NM 88210 OIL CONSE	RVATION DIVISION	30-025-46037
	uth St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	Fe, NM 87505	STATE FEE
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	110, 1101 67303	6. State Oil & Gas Lease No.
87505		VB-1185-1; VB-1193-1
SUNDRY NOTICES AND REPORTS		7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO D		
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (F PROPOSALS.)	ORM C-101) FOR SUCH	Taipan 31 State
1. Type of Well: Oil Well Gas Well Other		8. Well Number 502H
2. Name of Operator		9. OGRID Number
EOG Resources, Inc.		7377
3. Address of Operator		10. Pool name or Wildcat
P.O. Box 2267 Midland, Texas 79702		WC-025 G-07 S243225C [97964]
4. Well Location		
	he South line and 676	fact from the West line
Unit Letter_4 :678feet from t		
Section 31 Township	-	NMPM Lea County
11. Elevation (Show	whether DR, RKB, RT, GR, etc.)	
12. Check Appropriate Box to	Indicate Nature of Notice,	Report or Other Data
NOTICE OF INTENTION TO:		SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABAND		
TEMPORARILY ABANDON   CHANGE PLANS	COMMENCE DRII	
PULL OR ALTER CASING   MULTIPLE COMPL	☐ CASING/CEMENT	JOB 🔲
DOWNHOLE COMMINGLE		
CLOSED-LOOP SYSTEM		_
OTHER: Surface Commingling		
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OTHER: Surface Commingling  13. Describe proposed or completed operations. (Cle of starting any proposed work). SEE RULE 19.13	arly state all pertinent details, and	give pertinent dates, including estimated date appletions: Attach wellbore diagram of
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P.O. Box 2267, Midland, Texas 79702

Phone: (432) 686-3640

Date:

September 16, 2019

To:

State of New Mexico Oil Conservation Division

New Mexico State Land Office

Re:

Surface Lease Commingling Application; Taipan 31 State 502H, Taipan

31 State 503H, Adder 31 State 504H, Adder 31 State 505H, Adder 31

State 507H

To whom it may concern:

This letter serves to notice you that the ownership of the following wells is identical in working, royalty, overriding royalty interest and percentages as defined in 19.15.12.7 NMAC:

Well Name	Location	API#	Pool	Status
TAIPAN 31 STATE #502H	4-31-24S-33E	30-025-46037	WC-025 G-07 S243225C [97964]	Permitted
TAIPAN 31 STATE #503H	4-31-24S-33E	30-025-46099	WC-025 G-07 S243225C [97964]	Permitted
ADDER 31 STATE #504H	O-31-24S-33E	30-025-46032	WC-025 G-07 S243225C [97964]	Permitted
ADDER 31 STATE #505H	O-31-24S-33E	30-025-46033	WC-025 G-07 S243225C [97964]	Permitted
ADDER 31 STATE #507H	P-31-24S-33E	30-025-46035	WC-025 G-07 S243225C [97964]	Permitted

I certify that this information is true and correct to the best of my knowledge.

Sincerely,

EOG Resources, Inc.

Chris Leyendecker

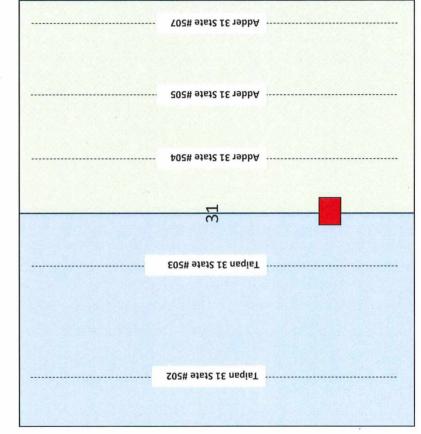
Landman I

Taipan 31 State #502H, #503H, & Adder 31 State #504H, #505H, #507H Section 31-24S-33E Lea County, NM Well Layout and CTB location

Lease ST NM VB-1185-1

Lease ST NM VB-1193-1

CTB Location



## APPLICATION FOR SURFACE LEASE COMMINGLING

EOG Resources, Inc. ("EOG") respectfully requests approval to surface lease commingle oil & gas from the following wells:

Well Name	Location	API#	Pool	Status	Oil BPD	Gravities	MSCFPD	BTU
TAIPAN 31 STATE #502H	4-31-24S-33E	30-025-46037	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
TAIPAN 31 STATE #503H	4-31-24S-33E	30-025-46099	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
ADDER 31 STATE #504H	O-31-24S-33E	30-025-46032	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
ADDER 31 STATE #505H	O-31-24S-33E	30-025-46033	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
ADDER 31 STATE #507H	P-31-24S-33E	30-025-46035	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333

<sup>\*</sup>projected, pending completion

## **GENERAL INFORMATION:**

- State of New Mexico lease VB-1185-0001 covers 317.84 acres, being the W/2 of Section 31 in Township 24 South, Range 33 East, Lea County, New Mexico
- State of New Mexico lease VB-1193-0001 covers 320.00 acres being the E/2 of Section 31 in Township 24 South, Range 33 East, Lea County, New Mexico
- The central tank battery to service the subject wells is located in the E/2 SW/4 (Units K and N) of Section 31-24S-33E on State of New Mexico Lease VB-1185-00001.
- An application to commingle production from the subject wells is being submitted to the NMOCD and the New Mexico State Land Office.
- Enclosed herewith is (1) a map that displays the leases, the location of the subject wells, and the proposed CTB, (2) a process flow diagram, (3) and the C-102 plat for each of the wells.

## **FUTURE ADDITIONS**

Pursuant to Statewide rule 19.15.12.10(C)(4)(g) EOG Resources, Inc. respectfully requests the option to include additional pools or leases within the defined parameters set forth in the order for future additions.

## PROCESS AND FLOW DESCRIPTIONS:

The production from each well will flow into a dedicated 3-phase separator. The production stream will be separated into 3 independent streams (gas, oil, and water) by the separator and each stream will be measured individually after it exits the separator. The gas will be measured using a senior orifice meter before flowing into a common header. Gas is allocated to the wells on

a mass balance basis based off of routine gas sampling at these meters. Gas measurements on the high pressure separator are aligned with API MPMS 20.1

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Taipan 31 State #502H gas allocation meter is an Emerson orifice meter (S/N *11111111) Taipan31 State #503H gas allocation meter is an Emerson orifice meter (S/N *11111111) Adder 31 State #504H gas allocation meter is an Emerson orifice meter (S/N *11111111) Adder 31 State #505H gas allocation meter is an Emerson orifice meter (S/N *11111111) Adder 31 State #507H gas allocation meter is an Emerson orifice meter (S/N *11111111)
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The oil from the separators will be measured using a Coriolis meter. Oil measurements on the high pressure separator are aligned with API MPMS 20.1

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Taipan 31 State #502H oil allocation meter is a FMC Coriolis meter (S/N *11111111) Taipan31 State #503H oil allocation meter is a FMC Coriolis meter (S/N *111111111) Adder 31 State #504H oil allocation meter is a FMC Coriolis meter (S/N *111111111) Adder 31 State #505H oil allocation meter is a FMC Coriolis meter (S/N *111111111) Adder 31 State #507H oil allocation meter is a FMC Coriolis meter (S/N *111111111)
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The water will be measured using a Coriolis meter. The water from each separator is combined in a common header and flows into (2) 750 barrel coated steel tanks. Guided wave radar is used to measure water volumes in these tanks. The oil from each separator will be combined into a common header and flow into a heated 3-phase separator to aid separation of water entrained in the oil.

Gas from the heated separator is measured and allocated back to the wells on an oil volume based allocation.

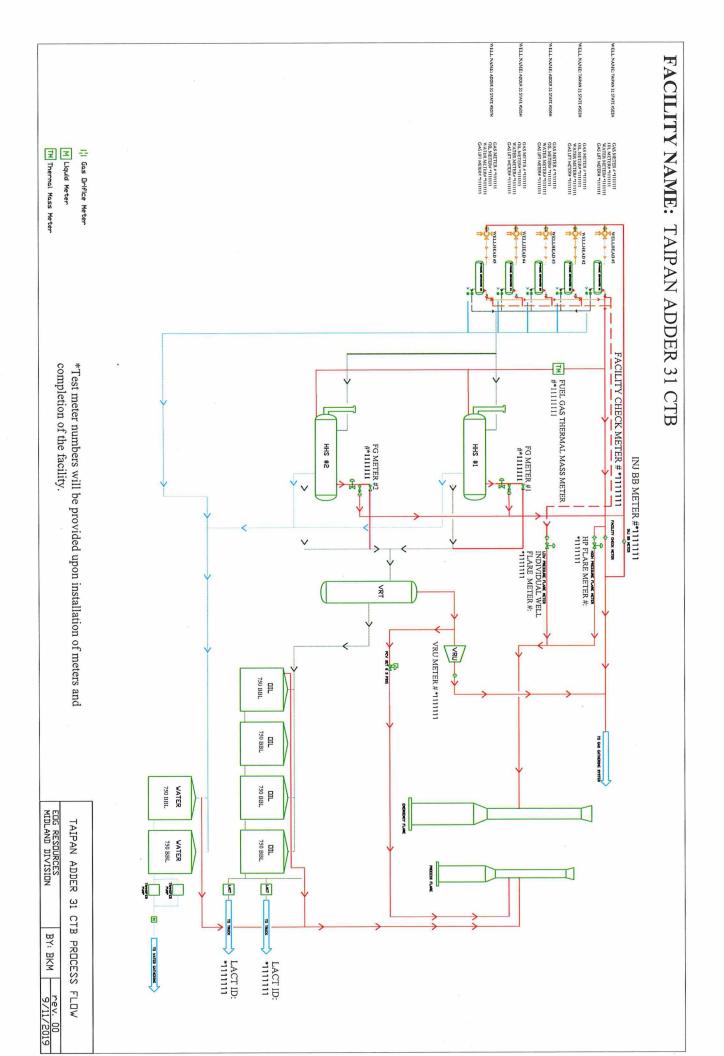
Taipan/Adder 31 St CTB FG #1 gas allocation meter is an Emerson orifice meter (S/N \*1111111) Taipan/Adder 31 St STATE CTB FG #2 gas allocation meter is an Emerson orifice meter (S/N \*1111111)

Water from the heated separator flows into the common water header connected to the (2) 750 barrel water tanks. The water is then pumped and/or trucked to a salt water disposal well.

The oil from the heated 3-phase separator flows through a vapor recovery tower (VRT) where gas is allowed to breakout at a lower pressure, and then the oil flows into (4) 750 barrel coated steel tanks. Guided wave radar is used to measure water and oil volumes in these tanks and can be used for volume verification during diagnosis of upset conditions. Oil is pumped out of the tanks through a LACT with Coriolis measurement into a truck or a pipeline. The LACT is the custody transfer point and the measurement point for oil sales. Tank vapors are sent to flare and are quantified based on a Promax process model. Tank vapors are allocated back to wells on an oil volume based allocation.

After the gas from each separator is measured it is combined into a common header. The gas from the heated 3-phase separator also flows into this header. The gas flows through the header to a custody transfer senior orifice meter (S/N \*1111111). If the pipeline is experiencing problems and cannot take any gas, the gas will flow through the produced gas emergency flare meter (S/N \*1111111) to the flare. If an individual well needed to be flared for any operational reason it will be manually routed through the individual well flare meter (S/N \*1111111) to the

flare. The overhead gas from the vapor recovery tower is compressed by an electric drive vapor recovery compressor and then measured by a custody transfer senior orifice meter (S/N \*1111111). The gas from the vapor recovery system combines with the gas from the lease production meter and flows into our gas gathering pipeline system. In the event the vapor recovery unit is experiencing downtime, a thermal mass meter (S/N \*1111111) will measure the gas before it is flared and allocate this volume back to wells on an oil volumetric basis. Fuel gas being consumed by the heated vessels is pulled off of the common gas header before being metered by the custody transfer meter. This gas is pulled at a common point and measured using a thermal mass meter and allocated back to wells on a mass balance basis. Gas lift gas being used by each well is measured and subtracted from their production on a mass balance basis.



# APPLICATION FOR, COMMINGLING AT A COMMON CENTRAL TANK BATTERY Proposal for **Taipan-Adder 31 State CTB**: EOG Resources, Inc. is requesting approval to commingle the following wells in a common central tank battery:

State of New Mexico Lease VB-1185-1; VB-1193-1

Well Name	Location	API#	Pool	Status	Oil BPD	Gravities	MSCFPD	вти
TAIPAN 31 STATE #502H	4-31-24S-33E	30-025-46037	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
TAIPAN 31 STATE #503H	4-31-24S-33E	30-025-46099	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
ADDER 31 STATE #504H	0-31-24S-33E	30-025-46032	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
ADDER 31 STATE #505H	O-31-24S-33E	30-025-46033	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333
ADDER 31 STATE #507H	P-31-24S-33E	30-025-46035	WC-025 G-07 S243225C [97964]	Permitted	*1320	*46	*650	*1333

<sup>\*</sup>Estimated numbers for these wells; will provide actual numbers once these wells are producing.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II Bil S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 1000 Rio Brnzos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fex: (505) 476-3462

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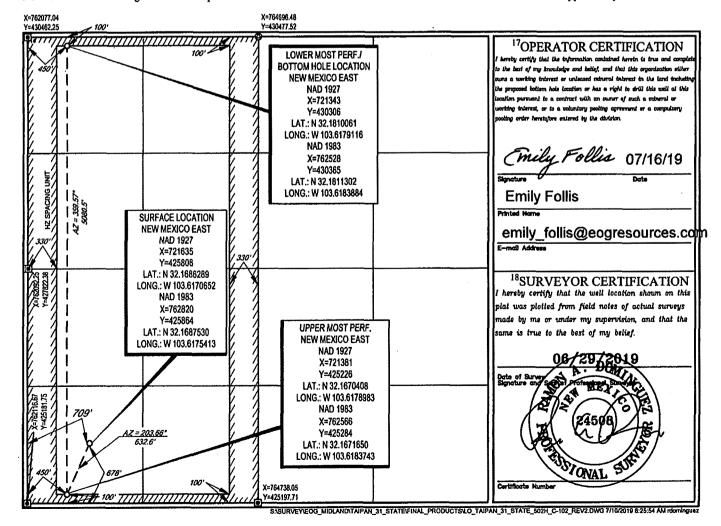
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District Office

30-025-4	API Numbe	:r	979	Pool Code	WC-025 G-07 S243225C, LWR BONE SPRIN					
				<i>)</i> ¬¬						
325 <del>7</del> 30	Code			7	Property Na			1	/ell Number #502 <b>H</b>	
7377								Elevation 3514		
					<sup>10</sup> Surface Lo	cation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the				County	
4	31	24-S	33-E	-	678'	SOUTH	709'	WEST	LEA	
		<u> </u>	11 <sub>F</sub>	Sottom Hole	Location If Di	fferent From Surf	ace			
UL or lot no.	Section	n Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
1	31	24-S	33-E	-	100'	NORTH	450'	WEST	LEA	
Dedicated Acres	13 Joint or	Івпі	nsolidation Cod	le <sup>15</sup> Order	No.					

Santa Fe, NM 87505



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fo, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico

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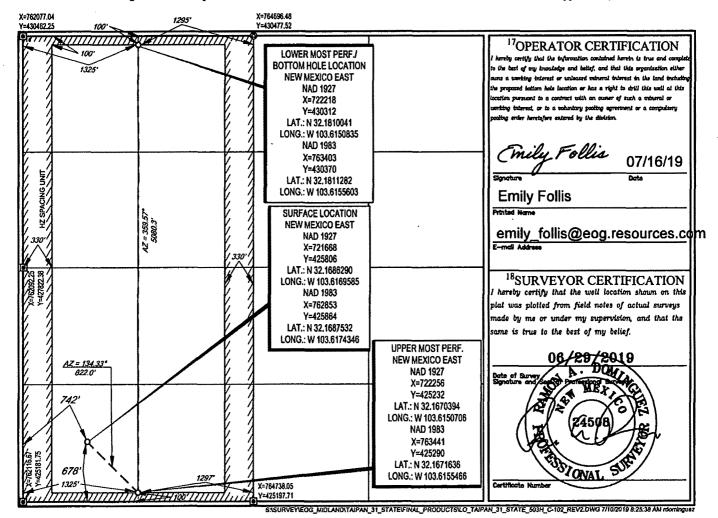
RECEIVED WELL LOCATION AND ACREAGE DEDICATION PLAT

	WEEL DOCATION AND	ACREAGE DEDICATION TEAT	
30-025-46099	<sup>3</sup> Pool Code 97964	WC-025 G-07 S243225C; LWR E	ONE SPRIN
<sup>4</sup> Property Code 325730		operty Name N 31 STATE	*Well Number #503H
7377 No.	or EOG RES	erator Name OURCES, INC.	S515'

<sup>10</sup>Surface Location

UL or lot no.	31	Township 24-S	Range 33-E	Lot Idn —	Feet from the 678'	North/South line SOUTH	Feet from the 742'	East/West line WEST	LEA ·	
			11	Bottom Ho	le Location If D	ifferent From Su	rface			

UL or lot no.	Section 31	Township 24-S	33-E	Lot Idn	Feet from the 100'	North/South line NORTH	Feet from the 1325'	East/West line WEST	County LEA
<sup>11</sup> Dedicated Acres 318	<sup>13</sup> Joint or 1	Infill 14C	onsolidation Code	<sup>13</sup> Ordei	r No.				



District 1
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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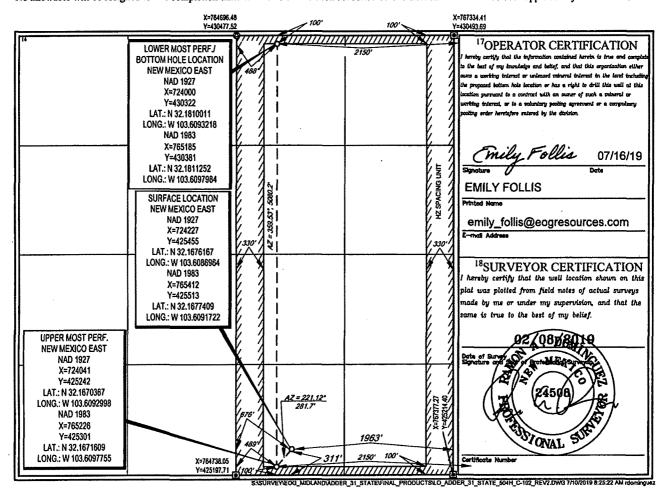
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# WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025	-46032			Pool Code 97964	W	C-025 G-07 S24	3225C; ĽWŔ E	SONE SPRIN		
325728	Code				Property Na.	STATE		*Well #5	ll Number 504H	
'ogrid 7377	No.	-		EOG	Operator Na		Elevation 3502'			
***************************************					<sup>10</sup> Surface Loc	ation				
UL or lot no. O	Section 31	Township 24-S	Range 33-E	Lot Idn	Feet from the 311'	North/South line SOUTH	Feet from the 1963'		County LEA	
			11 <sub>B</sub>	ottom Hole	Location If Di	fferent From Surf	ace			

Feet from the North/South line Feet from the East/West lin UL or lot no. Township Lot Ide Rang 100' 2150' 31 24-S 33-E NORTH EAST LEA B Joint or Infill Consolidation Code Order No. <sup>1</sup>Dedicated Acres 320



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 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 Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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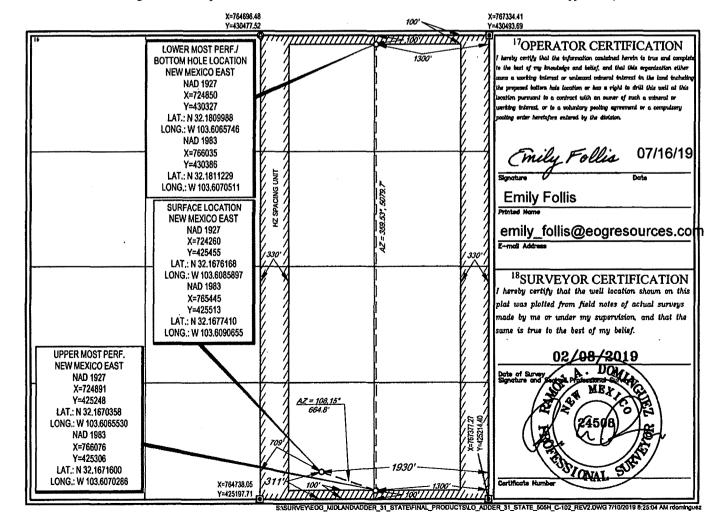
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WELL LOCATION AND ACREAGE DEDIC

30-025-4	6033""	·F	97	7964	WC.	WC-025 G-07 S243225C; LWR BONE SPRIN				
325728		<sup>3</sup> Property Name  ADDER 31 STATE							Well Number #505H	
'ogrid n₀. 7377		*Operator Name EOG RESOURCES, INC.							Elevation 3501	
		•			<sup>10</sup> Surface Lo	cation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
0	31	24-S	33-E	-	311'	SOUTH	1930'	EAST	LEA	
	-		<sup>11</sup> B	ottom Hole	e Location If Di	fferent From Surf	ace			
III or let no	Section	Township	Dange	Lot Ide	Feet from the	North/South line	Feet from the	East/West line	County	

33-E 100' NORTH 1300' EAST LEA В 24-S 31 Dedicated Acres Joint or Infill Consolidation Code Order No. 320



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WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 97964 WC-025 G-07 S243225C; LWR BONE SPRIN 30-025-46035 Property Code Property Name Well Number 325728 ADDER 31 STATE #507H OGRID No. 7377 Operator Name Elevation 3501' EOG RESOURCES. INC. <sup>10</sup>Surface Location

Santa Fe, NM 87505

East/West line UL or lot no. Township Lot Idn Feet from the North/South line Feet from the County Section Range 311' 1897' 24-S 33-E SOUTH EAST LEA 0 31 11Bottom Hole Location If Different From Surface East/West line County North/South line Feet from the UL ar lot no. Section Township Range Lot Idn Feet from the

100' NORTH 450' 24-S 33-E EAST LEA 31 A Order No. Dedicated Acres Joint or Infill Consolidation Code 320

