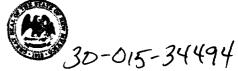
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ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



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		ADMINISTRATIVE APPLICATION CHECKLIST	
1	THIS CHECKLIST IS M	IANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AF WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	ID REGULATIONS
Appil	[PC-Pa	s:  Indard Location] [NSP-Non-Standard Proration Unit] [3D-Simultaneous Dedinhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measureme [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Sait Water Disposai] [IPI-Injection Pressure Increase]	ingling] ent[
[1]	TYPE OF AF	PPLICATION - Check Those Which Apply for [A]  Location - Spacing Unit - Simultaneous Dedication  NSL NSP SD	·
	Chéck [B]	COne Only for [B] or [C]  Commingling - Storage - Measurement  DHC CTB PLC PC OLS OLM	
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  WFX PMX SWD IPI EOR PPR	RECEIVED
	[D]	Other: Specify	JAN 2 3 2006
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	QCU-AHTESM
	[B]	Offset Operators, Leaseholders or Surface Owner	
	[C]	Application is One Which Requires Published Legal Notice	
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office	
	[E]	For all of the above, Proof of Notification or Publication is Attached, an	d/or,
	[F]	Waivers are Attached	
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCES	SS THE TYPE
[4] appro appli	oval is <b>accurate</b> a	TION: I hereby certify that the information submitted with this application for and complete to the best of my knowledge. I also understand that no action will equired information and notifications are submitted to the Division.	
,	Note	: Statement must be completed by an Individual with managerial and/or supervisory capacit	y.
Print	or Type Name	Signature Title	Date Date
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V. A. BEENER R.P.S. 77920 JOB # 105817-A1 / 101 SE / J.C.P.



William F. Carr wcarr@hollandhart.com

January 13, 2006

# **HAND-DELIVERED**

Mark E. Fesmire, P. E.
Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

JAN 2 3 2006 OCU-ARTERIA

Re: Application of EOG Resources, Inc. for administrative approval of an unorthodox well location for its Danube 14 Federal Com Well No. 2H to be horizontally drilled from an unorthodox surface location 230 feet from the South line and 330 feet from the East line to a proposed end point or bottomhole location 660 feet from the North line and 760 feet from the East line of Section 14, Township 17 South, Range 24 East, N.M.P.M., Eddy County, New Mexico and the

simultaneous dedication of the E/2 of said Section 14, to its proposed Danube 14 Federal Com Well No. 2H and the existing Danube 14 Federal Com Well No. 1H.

#### Dear Mr. Fesmire:

EOG is the operator of a standard 320-acre gas spacing unit in the Undesignated Northeast Collins Ranch-Wolfcamp Gas Pool (Pool Code 96623) comprised of the E/2 of Section 14, Township 17 South, Range 24 East, NMPM, Eddy County, New Mexico. This spacing unit is dedicated to EOG's Danube 14 Federal Com Well No. 1H that currently produces from the Wolfcamp formation.

#### Unorthodox Surface Location:

EOG Resources, Inc. ("EOG") hereby seeks administrative approval pursuant to the provisions of Division Rule 104 F (2) adopted on January 18, 1996, of an unorthodox surface location for its Danube Federal 14 Com Well No. 2H to be horizontally drilled to the Wolfcamp formation from an unorthodox surface location 230 feet from the South line and 330 feet from the East line of Section 14, Township 17 South, Range 24 East, N.M.P.M., Eddy County, New Mexico. A



Administrative Application EOG Resources, Inc. Danube 14 Federal Well Nos. 1H and 2H Page 2

standard 320-acre spacing and proration unit comprised of the E/2 of Section 14 will be dedicated to these wells.

The Wolfcamp formation is currently governed by Division Rule 104.C(2), which provides for: (i) 320-acre spacing units comprised of any two contiguous quarter sections of a single governmental section; (ii) wells to be located not closer to a quarter section line than 660 feet nor closer to any internal quarter-quarter section line than 10 feet, and (iii) an optional infill well within an existing unit provided the infill well is located in the quarter section not containing the unit's initial producing gas well.

EOG originally staked the well at a standard location but it fell too close to a dwelling and had to be moved. Several alternative locations were proposed but were not approved by the BLM because one was determined to be in an archeologically sensitive area and one in a low-lying area. Though not the reason for the nonstandard well location, the proposed unorthodox surface location will enable EOG to drill the vertical portion of the well and build the necessary curve so as to maximize the horizontal portion of wellbore located within the Producing Area for the well in the Wolfcamp formation. The well will intersect the top of the Wolfcamp formation at an estimated depth of 4,945 feet and the producing horizontal portion of the wellbore in the Wolfcamp formation will at all times be at least 660 feet from the outer boundary of the dedicated Project Area for the well. Attached hereto as **Exhibit A** is a copy of Division Form C-102 for this well that shows the Point of Entry at the top of the Wolfcamp formation to be 660 feet from the South and East lines of Section 14. **Exhibit B** is EOG's Planning Report for the well that confirms the projected wellbore deviation.

Exhibit C is a plat that shows the subject area, the 320-acre spacing unit comprised of the E/2 of Section 14 and the proposed location of the well including the unorthodox surface location. The ownership of the offsetting tracts affected by this unorthodox surface location to the South and to the East is common with the ownership of the subject spacing unit, The Division designated-operator of the offsetting tract to the Southeast is Yates Petroleum Corporation that is the only affected parties to whom notice of this application is required by Division rules. Exhibit D is a copy of a letter from Yates waiving objection to the unorthodox location.

#### Simultaneous Dedication:

EOG also seeks administrative approval of the simultaneous dedication of this standard 320-acre gas spacing unit to the following two horizontal gas wells:

A. the existing Danube 14 Federal Com Well No. 1H (API No. 30-015-34198) horizontally drilled from a surface location 1074 feet from the South line and



Administrative Application EOG Resources, Inc. Danube 14 Federal Well Nos. 1H and 2H

Page 3

1703 feet from the East line to an end point or bottomhole location 660 feet from the North line and 1880 feet from the East line of said Section 14; and

B. the proposed Danube 14 Federal Com Well No. 2H (API No. 30-015-34494) to be horizontally drilled from a surface location 230 feet from the South line and 330 feet from the East line to a proposed end point or bottomhole location 660 feet from the North line and 760 feet from the East line of said Section 14.

The wellbore directional survey of the Danube 14 Federal Com Well No. 1H has been filed with the Division and shows the path of the wellbore within the Wolfcamp formation to be standard pursuant to Division Rules 104.C (2) (a) and 111.A (7). EOG now intends to horizontally drill and complete its proposed Danube 14 Federal Com Well No. 2H in such a manner that its path meets the set-back requirements of Division Rules 104.C (2) (b) and 111.A (7) for deep gas wells in southeast New Mexico. The well will be drilled to the targeted subsurface end-point or bottomhole location, 660 feet from the North line and 760 feet from the East line (Unit A) of Section 14.

The simultaneous dedication of the E/2 of said Section 14 to the Danube 14 Federal Com Well Nos. 1H and 2H will afford EOG the opportunity to efficiently produce the Wolfcamp formation under this spacing unit. EOG's proposed simultaneous dedication of these wells does not exceed the number of wells allowed by Division Rule for this spacing unit nor will either well be closer to the outer boundary of the horizontal well project area than permitted by Division Rules. Accordingly, there are no other interest owners who are affected by this application.

Your attention to this application is appreciated.

Very truly yours,

William F. Carr

Attorney for EOG Resources, Inc.

**Enclosures** 

cc: Mr. Rick Lanning

EOG Resources, Inc. Post Office Box 2267 Midland, Texas 79702

### Planning Report

RDRILL, eogresources.com

**EOG Midland** 

Thames

Danube 14 Fed Com #2H Danube 14 Fed Com #2H Danube 14 Fed Com #2H

Plan #1

Local Co-ordinate Renerance: Well Danube 14 Fed Com #2H

WELL @ 3733.0ft (Original Well Elev) WELL @ 3733.0ft (Original Well Elev)

Grid

Minimum Curvature

Map System: Geo Datum:

Map Zone:

US State Plane 1927 (Exact solution)

NAD 1927 (NADCON CONUS)

New Mexico East 3001

System Datum:

Mean Sea Level

Danube 14 Fed Com #2H

Site Position:

From: Мар

Northing: Easting:

665,451.00<sub>ft</sub> 433,053.00ft Latitude: Longitude:

32° 49' 45.198 N 104° 33' 4.605 W

**Position Uncertainty:** 

0.0 ft

Slot Radius:

**Grid Convergence:** 

-0.12

Pieli : " : " : Danube 14 Fed Corn #2H

**Well Position** +N/-S

0.0 ft 0.0 ft

Northing: Easting:

665,451.00 ft 433,053.00 ft Latitude:

32° 49' 45,198 N

3,715.0 ft

Longitude: 104° 33' 4.605 W +E/-W **Position Uncertainty** 0.0 ft Wellhead Elevation: **Ground Level:** 

WHICH !! Danube 14 Fed Com #2H

**IGRF2000** 9.06 60.81 49,665 12/31/2004

**Audit Notes:** 

Version:

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**PROTOTYPE** 

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Planning Report

RDRILL.eogresources.com

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**EOG Midland** 

Thames

Danube 14 Fed Com #2H Danube 14 Fed Com #2H

Danube 14 Fed Com #2H

Plan #1

Well Danube 14 Fed Com #2H WELL @ 3733.0ft (Original Well Elev) WELL @ 3733.0ft (Original Well Elev)

Grid

Minimum Curvature

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Planning Report

RDRILL.eogresources.com

EOG Midland
Thames

Inames
Danube 14 Fed Com #2H

Danube 14 Fed Com #2H

Plan #1

Well Danube 14 Fed Com #2H WELL @ 3733.0ft (Original Well Elev) WELL @ 3733.0ft (Original Well Elev)

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5,300.0	79.85	327.84	5,029.7	281.3	-358.6 -401.8	316.5 409.3	12.88 12.88	3.79	12.59 12.28	
5,400.0 5,500.0	84.10 88.62	340.13 352.22	5,043.7 5,050.1	370.1 466.8	-401.6 -425.6	507.9	12.88	4.26 4.52	12.29	
5,563.4	91.53	359.85	5,050.1 5,050.0	530.0	-430.0	571.2	12.88	4.59	12.04	
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5,700.0	91.53	359.85	5,046.4	666.6	-430.4	707.1	0.00	0.00	0.00	
5,800.0	91.53	359.85	5.043.7	766.5	-430.6	806.6	0.00	0.00	0.00	
5,900.0	91.53	359.85	5,041.0	866.5	-430.9	906.0	0.00	0.00	0.00	
6,000.0	91.53	359.85	5,038.4	966.5	-431.2	1,005.5	0.00	0.00	0.00	
6,100.0	91.53	359.85	5,035.7	1,066.4	-431.4	1,105.0	0.00	0.00	0.00	
6,200.0	91.53	359.85	5,033.0	1,166.4	-431.7	1,204.4	0.00	0.00	0.00	
6,300.0	91.53	359.85	5,030.4	1,266.4	-432.0	1,303.9	0.00	0.00	0.00	
6,400.0	91.53	359.85	5,027.7	1,366.3	-432.2	1,403.4	0.00	0.00	0.00	
6,500.0	91.53	359.85	5,025.0	1,466.3	-432.5	1,502.8	0.00	0.00	0.00	
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6,700.0	91.53	359.85	5,019.7	1,666.2	-433.0	1,701.8	0.00	0.00	0.00	
6,800.0	91.53	359.85	5,017.0	1,766.2	-433.3	1,801.2	0.00	0.00	0.00	
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7,200.0	91.53	359.85	5,006.3	2,166.0	-434.4	2,199.1	0.00	0.00	0.00	
7,300.0	91.53	359.85	5.003.7	2,266.0	-434.6	2,298.6	0.00	0.00	0.00	
7,400.0	91.53	359,85	5,001.0	2,366.0	-434.9	2,398.1	0.00	0.00	0.00	
7,500.0	91.53	359.85	4,998.3	2,485.9	-435.2	2,497.5	0.00	0.00	0.00	
7,600.0	91.53	359.85	4,995.7	2,565.9	-435.4	2,597.0	0.00	0.00	0.00	
7,700.0	91.53	359.85	4,993.0	2,665.9	-435.7	2,696.5	0.00	0.00	0.00	
7,800.0	91.53	359.85	4,990.3	2,765.8	-436.0	2,795.9	0.00	0.00	0.00	
7,900.0	91.53	359.85	4,987.7	2,865.8	-436.2	2,895.4	0.00	0.00	0.00	
8,000.0	91.53	359.85	4,985.0	2,965.8	-436.5	2,994.9	0.00	0.00	0.00	
8,100.0	91.53	35 <del>9</del> .85	4,982.3	3,065.7	-436.8	3,094.3	0.00	0.00	0.00	
8,200.0	91.53	359.85	4,979.7	3,165.7	-437.0	3,193.8	0.00	0.00	0.00	
8,300.0	91.53	359.85	4,977.0	3,265.6	-437.3	3,293.3	0.00	0.00	0.00	
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9,100.0	91.53	359.85	4,955.7	4,065.4	-439.4	4,089.0	0.00	0.00	0.00	
9,200.0	91.53	359.85	4,953.0	4,165.3	-439.7	4,188.5	0.00	0.00	0.00	
9,300.0	91,53	359.85	4,950.3	4,265.3	-440.0	4,287.9	0.00	0.00	0.00	
9,312.6	91,53	359.85	4.950.0	4,277.9	-440.0	4,300.5	0.00	0.00	0.00	
9,312.7	91.53	359.85	4,950.0	4,278.0	-440.0	4,300.6	3.00	1.51	2.60	

Planning Report

RDRILL.eogresources.com

**EOG Midland** 

Thames Danube 14 Fed Com #2H

Danube 14 Fed Com #2H

Well Danube 14 Fed Com #2H

WELL @ 3733.0ft (Original Well Elev)

WELL @ 3733.0ft (Original Well Elev)

WELL @ 3733.0ft (Original Well Elev)

Grid

Minimum Curvature

सम्बन्धः । एक विकास मात्र वर्षाः स्थानसम्बन्धः वरणः वर्षम्यस्य वर्षाः वरणः । वर्षाः वर्षाः । वर्षाः वर्षाः वरण १९९२-१९४९ वर्षाः वर्षाः । वर्षाः वर्षाः स्थानसम्बन्धः । वर्षाः । वर्षाः । वर्षाः । वर्षाः । वर्षाः । वर्षाः ।

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					EAL				
BHL(Danube#2H) - plan hits target - Point	0.00	0.00	4,950.0	4,278.0	<del>-44</del> 0.0	669,729.00	432,613.00	32° 50' 27.521 N	104° 33' 9.865 W
LP(Danube#2H) - plan hits target - Point	0.00	0.00	5,050.0	530.0	-430.0	665,981.00	432,623.00	32° 49′ 50.434 N	104° 33' 9.657 W

#### SITE DETAILS: Danube 14 Fed Com #2H Site Centre Northing: 665451.00 Easting: 433053.00 Positional Uncertainity: 0.0 Convergence: -0.12 Local North: Grid **PROJECT DETAILS: Thames** Geodetic System: US State Plane 1927 (Exact solution) Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Zone: New Mexico East 3001 System Datum: Mean Sea Level **SECTION DETAILS** MD Azi TVD +N/-S +E/-W **VSec** inc DLegTFace Target 0.00 0.00 00.0 00.0 0.0 0.00 0.00 0.0 0.0 0.0 0.0 0.00 0.00 4618.0 0.0 4618.0 0.0 0.0 5105.2 73.08302.95 4983.4 147.3 -227.2 15.00302.95 169.8 5563.4 91.53359.85 5050.0 -430.0 12.88 77.58 LP(Danube#2H) 530.0 571.2 5563,4 91.53359.85 5050.0 530.0 -430.0 3.00 0.00 571.2 9312.6 91.53359.85 4950.0 4277.9 -440.0 0.00 0.00 4300.5 9312.7 91.53359.85 4950.0 4278.0 -440.0 3.00 59.87 4300.6 BHL(Danube#2H) 4125 750 3750 1500 3375 2250 3000 3000 (Figure £ 2625 3750 3750 4500 South(-)North(+) (750 2250 True Vertical C 1875 1500 6000 1125 6750 750· 7500 375 8250 1500 2250 3000 3750 4500 -1125 -375 375 7<del>5</del>0 Vertical Section at 354.13° (1500 ft/in) West(-)/East(+) (750 ft/in)

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P. 02

5. P. YATES CHAIRMAN OF THE BOARD JOHNA YATES

MESIDENT PEYTON YATES

EXECUTIVE VIEW PRESIDENT

RANDY G. PATTERSON · ECRETARY

DENINS G. KINSEY

FAX NO. 5057484572

JAN-12-2006 THU 02:56 PM YATES PETROLEUM LAND

MARTIN YATES, ILL 1912 - 1916 FRANK W. YATES 1936 - 1980



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (605) 748-1471

January 11, 2006

EOG Resources, Inc. Attn: Mr. Rick Lanning P.O. Box 2267 Midland, TX 79702

Re:

EOG's Danube "14" Fed Com #2H Well Township 17 South, Range 24 East, N.M.P.M.

Section 14: E2

Eddy County, New Mexico

Dear Mr. Lanning:

Yates Petroleum Corporation has received your request for waiver of the surface location and simultaneous dedication of the captioned well in the E/2 Section 14, Township 17 South, Range 24 East to the Wolfcamp production from the proposed well and the existing Danube \*14" Fed Com #1 well. Yates Petroleum Corporation is willing to waive its objection to this proposed simultaneous dedication and unorthodox surface location contingent upon EOG Resources, Inc. simultaneously waiving any objection to a similar location proposed by Yates Petroleum Corporation in the E/2 of Section 23, Township 17 South, Range 24 East.

We hereby request that you sign this letter acknowledging your agreement to waive any objection to a similar proposal from Yates Petroleum Corporation. If the letter is signed by both Yates Petroleum Corporation and EOG Resources, Inc., Yates Petroleum Corporation hereby walves objection to EOG's unorthodox location and simultaneous dedication in Danube "14" Fed Com #2H well, located in the E/2 of Section 14, Township 17 South, Range 24 East, Eddy County, New Mexico.

If you have any questions, please give me a call at 505-748-4384.

Very truly yours,

YATES PETROLEUM CORPORATION

Randy G. Patterson

Attorney-in-Fact

EOG RESOURCES, INC.

**FXHIBIT D**