

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address EOG RESOURCES INC PO Box 2267 Midland, TX 79702		OGRID Number 7377
		API Number 30-025-36595
Property Code 33537	Property Name Top Hat "19" State	Well No. 001

Surface Location

UL or Lot K	Section 19	Township 21S	Range 33E	Lot Idn K	Feet From 1902	N/S Line S	Feet From 1405	E/W Line W	County Lea
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Proposed Pools

HAT MESA;MORROW (GAS) 78240

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3784
Multiple N	Proposed Depth 15000	Formation Morrow	Contractor	Spud Date 04/15/2004

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	61	1500	300	0
Int1	12.25	9.625	40	5250	800	0
Int2	8.8	7	26	12150	600	4750
Liner1	6.125	4.5	13.5	14900	200	12000

Casing/Cement Program: Additional Comments

9.625 salt string will be 40# J-55 LTC to 4000 and 40# HCK LTC from 4000 to 5250
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

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

Electronically Signed By: Stan Wagner

Title: Regulatory Analyst

Date: 02/10/2004

Phone: 432-686-3689

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 02/26/2004

Expiration Date: 02/26/2005

Conditions of Approval:

No Conditions

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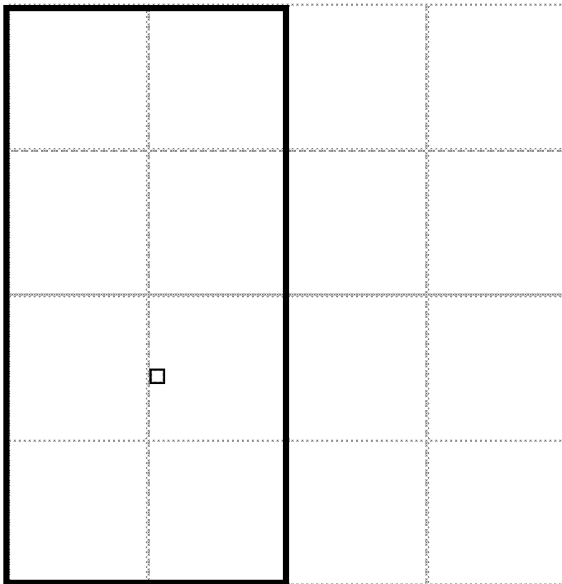
Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36595	Pool Name HAT MESA;MORROW (GAS)	Pool Code 78240
Property Code 33537	Property Name Top Hat "19" State	Well No. 001
OGRID No. 7377	Operator Name EOG RESOURCES INC	Elevation 3784

Surface And Bottom Hole Location

UL or Lot K	Section 19	Township 21S	Range 33E	Lot Idn K	Feet From 1902	N/S Line S	Feet From 1405	E/W Line W	County Lea
Dedicated Acres 304.24	Joint or Infill		Consolidation Code		Order No.				



OPERATOR CERTIFICATION

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

Electronically Signed By: Stan Wagner

Title: Regulatory Analyst

Date: 02/10/2004

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.

Surveyed By: V.L. Bezner

Date of Survey: 01/20/2004

Certificate Number: 7920

Permit Comments

Operator: EOG RESOURCES INC , 7377

Well: Top Hat "19" State #001

User Name	Comment	Comment Date
DMULL	This well is located in the Potash Area. Have you notified Potash lessees? Do you have a plat showing the Potash lessees? Do you have waivers from the Potash lessees? These are required by the OCD before this intent can be approved. Please send hard copies.	2/10/2004
DMULL	Received notice from State Land Office and BLM office. Both state NO in the LMR and buffer zone. Also received plat on the Potash Lessees.	2/26/2004

GUIDELINES FOR PROCESSING APD FOR WELL IN POTASH AREA -- R-111-P

BLM approves federal wells in potash area so we do not have to worry about this.

STATE & FEE LEASES

Post to map and if within the potash area outlined on map or within 1 mile of that area do the following:

- 1) Make certain operator has filed a plat of the area showing the potash lessees for the area where the well is located as well as the 1-mile radius referred to.
- 2) Make certain operator has notified all of the potash lessees by certified mail of the APD. They must send copy of delivery notice to us since 20-day waiting period starts from delivery date.
- 3) Send letter to BLM and SLO advising them of this APD and request they advise if this location is within LMR or buffer zone.

BUFFER ZONE -- shallow well is 1/4 mile of LMR
-- deep well is 1/2 mile of LMR

- 4) If application is within LMR or buffer zone you must DENY it under R-111-P unless, there is a mutual agreement of lessor and lessees of oil & gas and potash interests. Copy of this agreement must be submitted with APD.
- 5) If application is outside LMR or buffer zone and no objection is received within 20 days from date of receipt by potash lessees of certified notice, the APD may be approved.

Api # 30-025-36595

CHECK LIST FOR PROCESSING APD IN POTASH AREA

OPERATOR: EOG Resources Inc

LEASE & WELL Top Hat 19 State # 1 K

LOCATION 19-215-33e R02/S & 1405/W PROPOSED DEPTH 15000

DATE APD RECEIVED 2/10/04 WAS PLAT OF AREA ATTACHED Yes

WERE ALL POTASH LESSEES NOTIFIED BY CERTIFIED MAIL? _____

20-DAY WAITING PERIOD BEGINS _____ ENDS _____

WERE WAIVERS RECEIVED? _____

DATE SLO NOTIFIED 2/10/04 DATE REPLY RECEIVED 2/17/04

DATE BLM NOTIFIED 2/10/04 DATE REPLY RECEIVED 2/13/04

IS LOCATION INSIDE LMR OR BUFFER ZONE? YES _____ NO X

IF LOCATION INSIDE LMR OR BUFFER ZONE WAS LESSEE/LESSOR AGREEMENT FURNISHED _____

DATE APD APPROVED 2/26/04 DATE APD DENIED _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director

Oil Conservation Division

BUREAU OF LAND MANAGEMENT
P O Box 1778
Carlsbad, NM 88221

STATE LAND OFFICE
ATT: Joe Mraz
P O Box 1148
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR EDG Resources Inc
LEASE NAME Top Hat 19 State #1-K
PROPOSED LOCATION 19-21s-33e 1902/s 9 1405/w
PROPOSED DEPTH 15000'

Gentlemen:

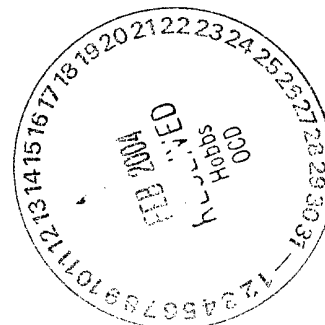
The application for permit to drill identified above has been filled with this office of the New Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R - 111 - P, please advise this office whether the location is within an established Life-of-Mine-Reserve area filed with and approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

Chris Williams
Supervisor, District 1



RESPONSE:

The above-referenced location is in LMR ----- Yes ----- No ☒

The above-referenced location is within the buffer zone ----- Yes ----- No ☒

Signed Chris Williams Date 2-11-04

Representing BLM



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OPERATOR EDG Resources Inc

LEASE NAME Top Hat 19 State #1-K

PROPOSED LOCATION 19-21s-33e 1902/s 7 1405/w

PROPOSED DEPTH 15000'

Gentlemen:

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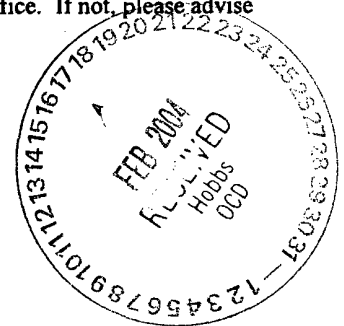
RESPONSE:

The above-referenced location is in LMR ----- Yes _____ No X

The above-referenced location is within the buffer zone ----- Yes _____ No X

Signed [Signature] Date 2/11/04

Representing SLD



EOG Resources, Inc.
Top Hat "19" State No. 1 Well
1,902' FSL and 1,405' FWL
Section 19, T-21-S, R-33-E,
Lea County, New Mexico
No current Potash Leases are in effect.

