

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia NM 88201
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address CHI OPERATING, INC. P.O. Box 1799 Midland, Texas 79702		² OGRID Number 004378
		³ API Number 30-025-36263
³ Property Code 32268	⁵ Property Name RAVEN STATE COM	⁶ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	16 E/2	18S	32E		1980	SOUTH	2310 1980	EAST	LEA

⁸ Proposed 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
⁹ Proposed Pool 1 Lusk, Morrow, N.						¹⁰ Proposed Pool 2			

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3777'
¹⁶ Multiple	¹⁷ Proposed Depth 13100	¹⁸ Formation MORROW	¹⁹ Contractor Tmbr/Sharp	²⁰ Spud Date 4/30/03

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48# H-40	350'	±300 SKS	CIRC
11"	8 5/8"	32# J-55	2900'	±1400 SKS	CIRC
7 7/8"	5 1/2"	20/17# N-80	13100'		COVER ALL
					PRODUCTIVE ZONES

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

MIRU, DRILL SURFACE HOLE W/F.WTR. RUN CSG/FLOAT EQUIP & CMT TO SURFACE. NU WELLHEAD & TST WHILE WOC 18 HRS. DRILL INTERMEDIATE HOLE W/BRINE, RUN CSG/F. EQUIP & CMT TO SURFACE. NU WELLHEAD/5000# DOUBLE RAM BOP & TST ALL ASSOC. EQUIP. WHILE WOC 18 HRS. DRILL PRODUCTION HOLE W/F. WTR/C. BRINE MUD SYSTEM. PULL E-LOG SWEEPS FROM TD TO 2900'. PULL GR/CNL TO SURFACE. EVALUATE FOR COMPLETION.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: JOHN W. WOLF

Date: 4/23/03

Phone: 915-685-5001

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval:

Attached ☐

PAUL F. KAUFZ

PETROLEUM ENGINEER

Expiration Date:

APR 28 2003

District I
1825 N. French Dr. Hobbs, NM 88240

District II
611 South First, Artesia, NM 88210

District III
1000 N. Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87503

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, N M 87505

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36263	Pool Code 80800	Pool Name LUSK, MIDDLE, North
Property Code 32268	Property Name RAVEN STATE CO.	Well Number 1
OGRID No. 004378	Operation Name CHI OPERATING, INC.	Elevation 8778

Surface Location

UL or Lot No. J	Section 16 E/2	Township 18-S	Range 32-E	Lot Idn.	Feet from the 1980	North/South line SOUTH	Feet from the 1980	East/West line EAST	County LEA
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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
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Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I HEREBY CERTIFY THAT THE INFORMATION HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
	Signature <i>John P. Gault</i>
	Printed Name John P. Gault
	Title Vice-President
Date 4-24-03	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 KNOWLEDGE AND BELIEF.
	APRIL 24, 2003 Date of Survey
	Signature of Registered Surveyor