

N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Resources

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Dr.

RECEIVED Submit to appropriate District Office

AUG 01 2005

☐ AMENDED REPORT

OCD-ARTESIA

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

Operator Name and Address CHI OPERATING, INC P.O. BOX 1799 MIDLAND, TEXAS 79702		OGRID Number 004378
Property Code 34991	Property Name BERMUDA	API Number 30 - 015-34256
Proposed Pool 1 Four Mile Draw, Mearns, West 77000		Well No. 1
Proposed Pool 2		

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7 (E/2)	19S	26E		660	NORTH	660	EAST	EDDY

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

Additional Well Information

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation
Multiple	Proposed Depth 9800	Formation MORROW	Contractor	Spud Date 8/15/05
Depth to Groundwater 69'		Distance from nearest fresh water well 1000'+		Distance from nearest surface water 1000'+
Pit: Liner: Synthetic <input checked="" type="checkbox"/> Clay <input type="checkbox"/> Pit Volume: _____ bbls		Drilling Method: Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		
Closed-Loop System <input type="checkbox"/>				

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"	48.5 J-55	400'	300	0'
11"	8 5/8"	24# J-55	1200'	400	0'
7 7/8"	5 1/2"	17# N-80	9800'	300	+8000'
Fresh Water Mud or Air Only to @ 1200' BCD					

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.

Drill surface w/fw & set pipe. Circ cmt to surface. While woc 12 hrs [Rule 107: Option 2: (Cmt will consist of: Lead slurry: "C"+4% Gel+2% CaCl2 +1 pps Gils, mixed @ 13.5 & yd of 1.72 ft3. Tail slurry: "C"+2% CaCl2+.25 pps Cello Flake mixed @ 14.8 ppg & yd of 1.34 ft3). Both these slurries are industry known for meeting and exceeding the required 500 psi in 12 hrs. for the "zone of interest". NU, test head. Tst csg to 600 psi. before dill out. Drill intermediate & set pipe. Circ cmt to surface. While woc 12 hours [Rule 107: Option 2.] NUBOPE, tst 5000#. Test csg to 1200# before drilling out cmt. Drill production hole, log and evaluate.

(Piper rams will be function tested daily, and blind rams on all trips. There is no none H2S problems, none the less monitoring equipment will be installed out from under intermediate. PVT will be installed prior to the Wolfcamp.)

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: JOHN W. WOLF

Title:

E-mail Address:

Date: 7/26/05

Phone: 432-685-5001

Approved by:

OIL CONSERVATION DIVISION

Jim W. Wolf
District II Supervisor

Title:

Approval Date:

AUG 03 2005

Expiration Date:

AUG 03 2006

Conditions of Approval At

NOTIFY OCD OF SPUD & TIME TO
WITNESS CEMENTING OF
SURFACE & INTERMEDIATE
CASING

State of New Mexico

DISTRICT I

1420 N. FRANKLIN DR., ROSA, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 77000	Pool Name
Property Code	Property Name BERMUDA	Well Number 1
GRID No. 4378	Operator Name CHI OPERATING, INC.	Elevation 3365'

Surface Location

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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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

Dedicated Acres 320	Joint or Infill	Consolidation Code	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

LOT 1									
39.34 AC LOT 2									
39.51 AC LOT 3									
39.67 AC LOT 4									
39.84 AC									

GEODETIC COORDINATES
NAD 83 NME
Y=611305.8 N
X=475087.1 E
LAT.=32°40'49.99" N
LONG.=104°24'51.49" W

660'

660'

OPERATOR CERTIFICATION

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

Signature: *John W. Wolf*

Printed Name: John W. Wolf

Title: _____

Date: 7/27/05

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.

JULY 25, 2005

Date Surveyed: _____

Signature: *Gary Edson*

Professional Surveyor

NEW MEXICO

05.11.1148

Certificate No. GARY EDSON 12041