

District I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6161 Fax (505) 393-0720

Form C-101
Permit 61023

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

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

1 Operator Name and Address CHEVRON U S A INC 11111 S. WILCREST HOUSTON, TX 77099		2 OGRID Number 4323
		3 API Number 30-025-38784
4 Property Code 30022	5 Property Name VACUUM GRAYBURG SAN ANDRES UNIT	6 Well No 412

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
1	1	18S	34E	1	2196	S	296	E	LEA

8. Pool Information

VACUUM:GRAYBURG-SAN ANDRES	62180
VACUUM:GRAYBURG-SAN ANDRES	62180

Additional Well Information

9 Work Type New Well	10 Well Type OIL	11 Cable/Rotary	12 Lease Type State	13 Ground Level Elevation 3983
14 Multiple Y	15 Proposed Depth	16 Formation San Andres	17 Contractor	18 Spud Date
Depth to Ground water 120		Distance from nearest fresh water well		Distance to nearest surface water
Pit Liner Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume bbls Drilling Method. Closed Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	42	1500	1010	
Intl	11	8.625	24	2800	835	
Prod	7.875	5.5	15.5	5200	585	

Casing/Cement Program: Additional Comments

SURF:755SX,13.5PPG,1.74FT3/SX,9.09GAL/SX,CL C,4%BENTONITE,0.1PPS
 POLYFLAKS...255SX,14.8PPG,1.34FT3/SX,6.29GAL/SX,CL C INTL: 550SX, 14.8PPG,1.36FT3/SX,6.43GAL/SX,CL C
 LEAD185SX,13.5PPG,1.73FT3/SX,9.08GAL/SX,CL C,TAILOO5SX,14 8PPG,1.33FT3/SX,6.3GAL/SX,CL C PROD: 350SX,
 12.4PPG, 2 15FT3/SX,11.98GAL/SX,35:65POZ,CL H,TAILOO 235 SX,14.2PPG,1.35FT3/SX 50:50 POZ CL H

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	2500	
Blind	3000	2500	
Pipe	3000	2500	

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 NMOC guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐

Printed Name: Electronically filed by Denise Pinkerton

Title: Regulatory Specialist

Email Address: leakejd@chevron.com

Date: 3/3/2008

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved By:

Title: **OCD DISTRICT SUPERVISOR/GENERAL MANAGER**

Approved Date: **MAR 03 2008** Expiration Date:

Conditions of Approval Attached

District I

1625 N French Dr. Hobbs, NM 88240
Phone (505) 393-6161 Fax (505) 393-0720

District II

1301 W Grand Ave Artesia, NM 88210
Phone (505) 748-1283 Fax (505) 748-9720

District III

1000 Rto Brazos Rd. Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV

1220 S. St Francis Dr. Santa Fe, NM 87505
Phone (505) 476-3470 Fax (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division

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

Form C-102
Permit 61023

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-38784	2 Pool Code 62180	3 Pool Name VACUUM.GRAYBURG-SAN ANDRES
4 Property Code 30022	5 Property Name VACUUM GRAYBURG SAN ANDRES UNIT	6 Well No 412
7 OGRID No 4323	8 Operator Name CHEVRON U S A INC	9 Elevation 3983

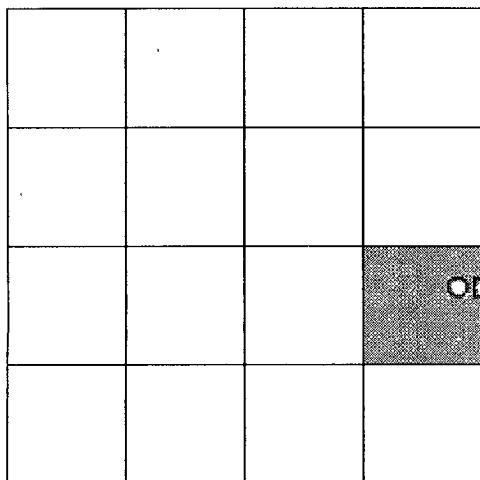
10. Surface Location

UL - Lot 1	Section 1	Township 18S	Range 34E	Lot Idn	Feet From 2196	N/S Line S	Feet From 296	E/W Line E	County LEA
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11. Bottom Hole Location If Different From Surface

UL - Lot 1	Section 1	Township 18S	Range 34E	Lot Idn 1	Feet From 2200	N/S Line S	Feet From 10	E/W Line E	County LEA
12 Dedicated Acres 40.00		13 Joint or Infill		14 Consolidation Code		15 Order No			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Denise Pinkerton
Title: Regulatory Specialist
Date: 3/3/2008

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: JOHN PIPER
Date of Survey: 7/18/2007
Certificate Number: 7254

District I

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District III

1000 Rio Brazos Rd. Aztec NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV

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Phone (505) 476-3470 Fax (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources

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Form C-102
Permit 61023

WELL LOCATION AND ACREAGE DEDICATION PLAT

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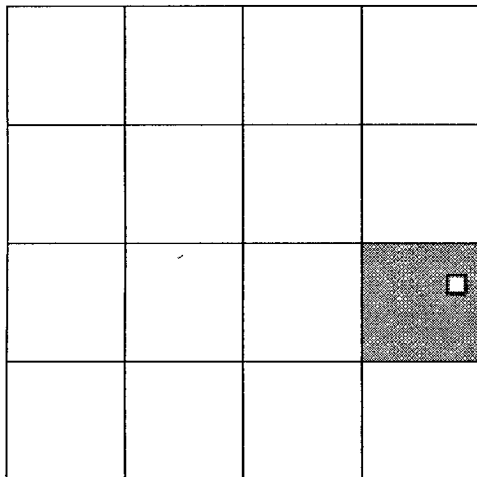
10. Surface Location

UL - Lot I	Section I	Township 18S	Range 34E	Lot Idn	Feet From 2196	N/S Line S	Feet From 296	E/W Line E	County LEA
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E-Signed By: Denise Pinkerton

Title: Regulatory Specialist

Date: 3/3/2008

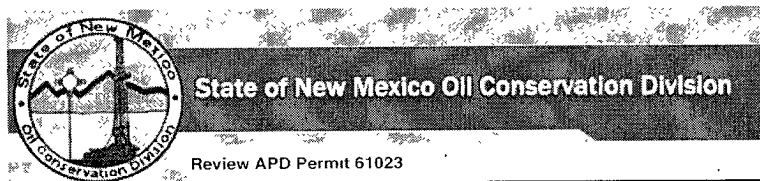
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Date of Survey: 7/18/2007

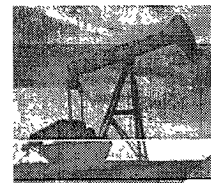
Certificate Number: 7254



OCD Rules

Help

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**Operator Data**

- Permit Status
- Well List
- Inactive Well List
- Financial Assurance
- C-115 Reports

OCD Review

- Pending Permits
- User Signup
- Op Registration

OCD Reports

- Compliance

Miscellaneous

- Administration

UserID: OWB L AMS
 Title: Palmer Shady's
 Operator: OCD
 Sign-out

Surface InformationBottomHole/
PoolCasing/
Cement/BOPMiscellaneousWarnings/
ApprovalView
FormsClose

Operator CHEVRON U S A INC 4323
 Well VACUUM GRAYBURG SAN ANDRES UNIT #412
 Surface Location I-1-18S-34E
 API 30-025-38784

General Information**Element Operator Entry****OCD Entry**

API County*

25

API Well ID*

38784

Property ID 30022

30022

Well Name* VACUUM GRAYBURG SAN ANDRES UNIT

VACUUM GRAYBURG SAN ANDRES UNIT

[Change](#)

Well Number*

412

412

Well Type*

OIL

Oil

Direction

Directional

Directional

Deepest Formation*

San Andres

San Andres

Total Depth*

5200

5200

feet

Ground Elevation*

3983

3983

feet

☒ Check bonds Selected By DMULL On 2/28/2008☒ Check for duplicate Well Number Selected By DMULL On 2/28/2008☒ Validate well type Selected By pkautz On 9/18/2007**Surface Location****Element Operator Entry****OCD Entry**

Lease Type*

State

State

County*

LEA

Lea

Unit*

1

1

Lot

Section*

1

1

Township*

18S

18S

Range*

34E

34E

NS Footage*

2196 feet from S line

2196

feet from N S

EW Footage*

296 feet from E line

296

feet from E W

Longitude

Latitude

POTASH Waiver

[Browse](#)[Replace](#)[Remove](#)

NAD

1927 1983

Proposed SPUD
DateOperators in Q/Q
were notified?

Municipality Name

Has municipality
been notified?Water wells within
300'

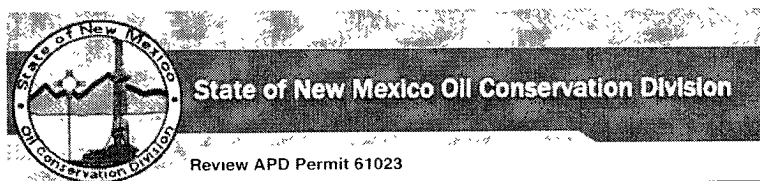
Structures within
300'

- ☒ Check land type Selected By DMULL On 2/28/2008
- ☐ Check notification if other operators in Q/Q
- ☒ Check for sensitive areas Selected By DMULL On 2/28/2008
- If spacing violation, check if planned plugging will remedy

PIT Information

Element	Operator Entry	OCD Entry
Closed Loop System *	Y	Y
Depth to Groundwater (ft)	120	120
Distance Surface Water (ft)		
Distance Fresh Water Well (ft)		
Pit Liner		Mils Thick if Synthetic
Drilling Method	Air	Air
Pit Volume (bbls)		
Plan Information	According to OCD Guidelines	<input checked="" type="radio"/> According to OCD Guidelines <input type="radio"/> General Plan on File <input type="radio"/> Specific Well Plan
Diagram	closed_loop_system.tif	closed loop system.tif

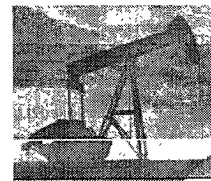
[Browse ..](#)[Replace](#)[Remove](#)[Conditions](#)[Comments](#)[Help](#)



OCD Rules

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**Operator Data**

- Permit Status
- Well List
- Inactive Well List
- Financial Assurance
- C-115 Reports

[Surface Information](#)
[BottomHole/Pool](#)
[Casing/Cement/BOP](#)
[Miscellaneous](#)
[Warnings/Approval](#)
[View Forms](#)
[Close](#)

Operator: CHEVRON U S A INC 4323
 Well: VACUUM GRAYBURG SAN ANDRES UNIT #412
 Surface Location: I-1-18S-34E
 API: 30-025-38784

OCD Review

- Pending Permits
- User Signup
- Op Registration

OCD Reports

- Compliance

Miscellaneous

- Administration

UserID: CWILLAMS
 Title: District Supervisor
 Operator: OCD
 Sign-out

Bottom Hole I-1-18S-34E Completion #1**Element Operator Entry**

Pool ID: 62180
 Pool Name*: VACUUM,GRAYBURG-SAN ANDRES

County*: LEA

Unit*: I

Lot

Section*: 1

Township*: 18S

Range*: 34E

NS Footage*: 2196 feet F SL

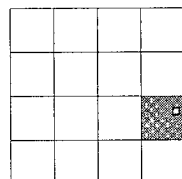
EW Footage*: 296 feet F EL

Longitude

Latitude

NAD

Dedicated Acres*



Entered 40.00
 NS Loc
 NS SPU
 Op Warned No

Plat Attach: [c102 vgsau #412.tif](#)

OCD Entry

62180

VACUUM,GRAYBURG-SAN ANDRES [Change](#)

Lea

I

1

18S

34E

2196

296

1927 1983

[View/Edit](#)

[c102 vgsau #412.tif](#)

[Browse](#)

[Replace](#)

Consolidation Code

OCD Orders

Bottom Hole I-1-18S-34E Completion #2**Element Operator Entry**

Pool ID: 62180

Pool Name*: VACUUM,GRAYBURG-SAN ANDRES

County*: LEA

Unit*: I

Lot

Section*: 1

Township*: 18S

Range*: 34E

NS Footage*: 2200 feet F SL

EW Footage*: 10 feet F EL

OCD Entry

62180

VACUUM,GRAYBURG-SAN ANDRES [Change](#)

Lea

I


1

18S

34E

2200

10

 E W



Longitude

Latitude

NAD

Dedicated
Acres*

Entered 40.00

 1927  1983

View/Edit

NS Loc

NS SPU

Op Warned No

Plat Attach

Browse

Replace

Consolidation Code

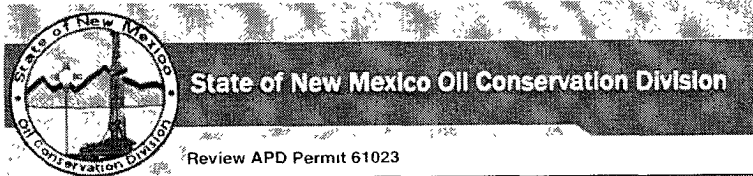
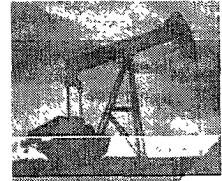
OCD Orders

- ✓ Check correct pool Selected By pkautz On 9/18/2007
- ✓ Check mineral ownership Selected By DMULL On 2/28/2008
- ✓ Check dedicated acreage Selected By pkautz On 9/18/2007

Conditions

Comments

Help

[OCD Rules](#)[Help](#)[Contact](#)

Review APD Permit 61023

Operator Data

- Permit Status
- Well List
- Inactive Well List
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[Surface Information](#)[BottomHole/Pool](#)[Casing/Cement/BOP](#)[Miscellaneous](#)[Warnings/Approval](#)[View Forms](#)[Close](#)

Operator: CHEVRON U S A INC 4323
Well: VACUUM GRAYBURG SAN ANDRES UNIT #412
Surface Location: I-1-18S-34E
API: 30-025-38784

OCD Review

- Pending Permits
- User Signup
- Op Registration

OCD Reports

- Compliance

Miscellaneous

- Administration

UserID: OWLLAMS
Title: District Supervisor
Operator: OCD
Sign-out

Casing Type*	Fluid Type	Hole Size*	Casing Size*	Casing Grade	Casing Wt/ft*	Top MD	Setting Depth*	Sacks Cement*	Est TOC
Surf		14 75	11 75		42		1500	1010	
Surf		14 75	11 75		42		1500	1010	
Int1		11	8 625		24		2800	835	
Int1		11	8 625		24		2800	835	
Prod		7 875	5 5		15 5		5200	585	
Prod		7 875	5 5		15 5		5200	585	

☒ Check casing/cement program Selected By pkautz On 9/18/2007

Enter Any Additional Information On The Proposed Casing/Cement Program:

SURF:755SX,13.5PPG,1.74FT3/SX,9.09GAL/SX,CL C,4%
BENTONITE,0.1PPS
POLYFLAKS....255SX,14.8PPG,1 34FT3/SX,6.29GAL/SX,CL C INTL:
550SX, 14.8PPG,1.36FT3/SX,6 43GAL/SX,CL C
LEAD185SX,13.5PPG,1.73FT3/SX,9.08GAL/SX,CL
C,TAIL100SX,14.8PPG,1 33FT3/SX,6.3GAL/SX,CL C PROD: 350SX,
12.4PPG, 2.15FT3/SX,11.98GAL/SX,35:65POZ,CL H,TAIL:235
SX,14.2PPG,1.35FT3/SX 50:50 POZ CL H

Enter Data For Each Blowout Prevention Unit:

BOP Type*	Working Preasure Rating*	Test Preasure Rating*	Manufacturer
Annular	3000	2500	
Annular	3000	2500	
Blind	3000	2500	
Blind	3000	2500	
Pipe	3000	2500	
Pipe	3000	2500	

☒ Check BOP program Selected By pkautz On 9/18/2007[Conditions](#)[Comments](#)[Help](#)