

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-101  
Revised March 17, 1999

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. 1st Street, 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 S. St. Francis Dr.  
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**

<sup>1</sup> Operator Name and Address <b>Chevron U.S.A. Inc. 15 Smith Road - Midland, Texas 79705</b>		<sup>2</sup> OGRID Number <b>4323</b>
		<sup>3</sup> API Number <b>30-25-3668 3</b>
<sup>4</sup> Property Code <b>30022</b>	<sup>5</sup> Property Name <b>Vacuum Grayburg San Andres Unit</b>	<sup>6</sup> Well No. <b>132</b>

<sup>7</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>I</b>	<b>2</b>	<b>18-S</b>	<b>34-E</b>		<b>2630</b>	<b>South</b>	<b>660</b>	<b>East</b>	<b>Lea</b>

<sup>8</sup> 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

<sup>9</sup> Proposed Pool 1 <b>Vacuum Grayburg San Andres</b>	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>Injection</b>	<sup>13</sup> Cable/Rotary <b>Rotary</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>4002'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>4600'</b>	<sup>18</sup> Formation <b>San Andres</b>	<sup>19</sup> Contractor	<sup>20</sup> Spud Date <b>4/26/04</b>

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12 1/4"</b>	<b>8 5/8"</b>	<b>24#</b>	<b>1550'</b>	<b>1200</b>	<b>0</b>
<b>7 7/8"</b>	<b>5 1/2"</b>	<b>15.5#</b>	<b>4850'</b>	<b>850</b>	<b>0</b>

<sup>22</sup> 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.

**CEMENTING PROGRAM:**

**SURFACE CASING: LEAD:** 545 sx Poz Class C Cement + 6% Bentonite + 2% Calcium Chloride + 0.25 pps Celloflake. **TAIL:** 200 sx Class C Cement + 0.25 pps Celloflake + 2% Calcium Chloride.  
**PRODUCTION CASING: LEAD:** 320 sx Poz Class C Cement + 6% Bentonite + 5% Sodium Chloride + 0.25 lb/sx Celloflake. **TAIL:** 305 sx Poz Class C Cmt + 5% Sodium Chloride + 2% Bentonite + 0.25 lb/sx Celloflake.

**BOP PROGRAM:** Type Working Pressure Test Pressure Manufacturer  
Pipe 3000 1500 Shaffer  
Blind 3000 1500 Shaffer

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		<b>OIL CONSERVATION DIVISION</b>	
Signature: <i>Laura Skinner</i>		Approved by: <i>[Signature]</i>	
Printed name: <b>Laura Skinner</b>		Title: <b>PETROLEUM ENGINEER</b>	
Title: <b>Regulatory Specialist</b>		Approval Date: <b>APR 27 2004</b>	Expiration Date:
Date: <b>4/23/04</b>	Phone: <b>(432) 687-7355</b>	Conditions of Approval: Attached <input checked="" type="checkbox"/>	

# C-101/C-144 DRILLING PIT REGISTRATION CODITIONS OF APPROVAL

API number:	30-025- 36683	
OGRID:	4323	Operator: CHEVRON U S A INC.
		15 SMITH RAOAD
		MIDLAND TX 79705
Property:	VACUUM GB-SA UNIT	# 132

surface	ULSTR:	I	2	T 18S	R 34E
		2630	FSL	660	FEL

XXXXXX	Pit must be lined with a minimum of a <b>12 mil</b> re-enforced or <b>20 mil</b> re-enforced liner.
XXXXXX	The pit must be deep enough so that when pit is closed it can be covered with 3 feet of dirt and surface leveled
XXXXXX	If the pit is to be encapsulated in place, the liner is to be a minimum thickness of <b>20 mil</b> re-enforced liner
	When using a <b>12 mil</b> nylon re-enforced liner. The contents of the pit must be removed along with the liner and disposed of in an approved facility within 6 months of completion of the well.
XXXXXX	When using a <b>20 mil</b> liner. The pit must be closed within 6 months of completion of the well.
	This site has a <b>Ranking Score of 20 points or higher.</b> The contents of the pit must be removed along with the liner and disposed of in an approved facility within 6 months of completion of the well.
XXXXXX	Before pit is closed, submit a subsequent Form C-144 along with any additional information which may be applicable to the appropriate NMOCD District Office for approval.
XXXXXX	Notify appropriate NMOCD District Office by E-mail 48 hrs prior to closing pit.
XXXXXX	The operator is required to comply with NMOCD guidelines.
XXXXXX	OCD approval <i>does not</i> release the operator of its responsibilities for compliance with any other federal, state, or local laws and/or regulations.

## Drilling Pit Registration Approval

District Supervisor Chris Williams  
District Geologist Paul F Kautz

505-393-6161

ext 102

ext 104

## Drilling Pit closure

Environmental Spec Larry Johnson  
Environmental Spec Paul Sheeley

505-393-6161

ext 111 [lwjohnson@state.nm.us](mailto:lwjohnson@state.nm.us)

ext 113 [psheeley@state.nm.us](mailto:psheeley@state.nm.us)

District I  
1625 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

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

Operator: Chevron U. S. A. Inc. Telephone: \_\_\_\_\_ e-mail address: \_\_\_\_\_  
Address: 15 Smith Road - Midland, Texas 79705  
Facility or well name: Vacuum GB SA Unit No. 132 API #: \_\_\_\_\_ U/L or Qtr/Qtr I Sec 2 T 18S R 34E  
County: Lea Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

**Pit**

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 20 per 1.5 mil Clay ☐ Volume  
3856 bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction material: \_\_\_\_\_

Double-walled, with leak detection? Yes ☐ If not, explain why not. \_\_\_\_\_

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

(0 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

(0 points)

**Ranking Score (Total Points)**

(0 points)

**If this is a pit closure:** (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location:

onsite ☐ offsite ☐ If offsite, name of facility \_\_\_\_\_ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 4/23/04

Printed Name/Title Jason LaGrega - Drlg Engr. Signature \_\_\_\_\_

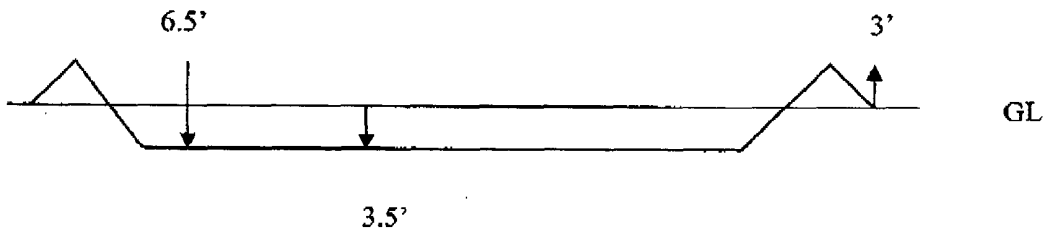
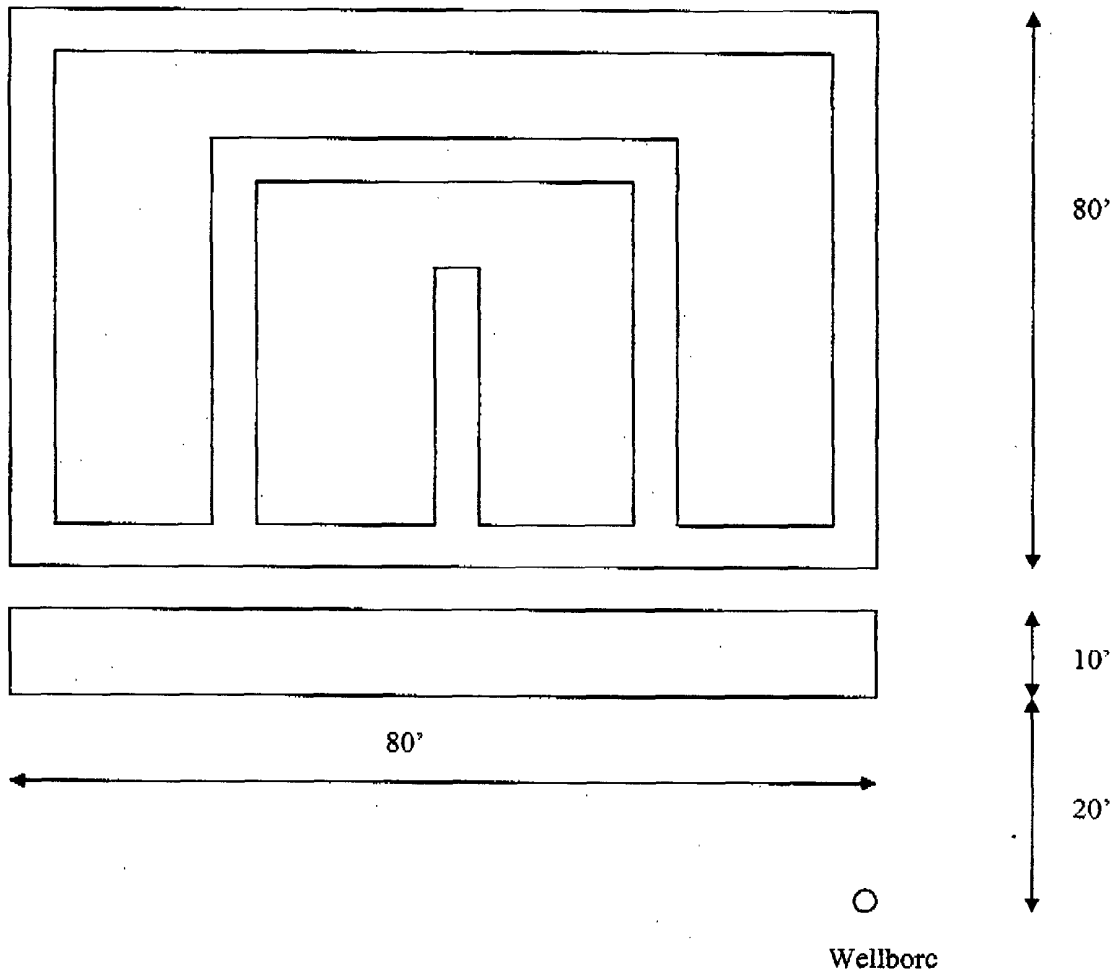
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Date: 4/27/04 **PETROLEUM ENGINEER**  
Printed Name/Title PAUL F. KAUTZ

Signature \_\_\_\_\_

# **VGSAU Pit Design**



# ChevronTexaco

April 23, 2004

To whom it may concern,

I, Jason LaGrega, Drilling Engineer for ChevronTexaco, hereby certify that the pit design and construction for the Vacuum Grayburg San Andres Unit wells #132 and #134 are according to the guidelines for a standard pit for CapStar Rig #16.

Sincerely,

Jason LaGrega

*must meet NMOC guidelines*

DISTRICT I  
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P. O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised May 17, 2002

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025- API 36683		<sup>2</sup> Pool Code CODE		<sup>3</sup> Pool Name POOL					
<sup>4</sup> Property Code 30022		<sup>5</sup> Property Name Vacuum Grayburg San Andres Unit				<sup>6</sup> Well Number 132			
<sup>7</sup> GRID No. 4323		<sup>8</sup> Operator Name Chevron USA Inc.				<sup>9</sup> Elevation 4002			
<sup>10</sup> Surface Location									
UL or lot no. I	Section 2	Township 18-S	Range 34-E	Lot Idn	Feet from the 2630	North/South line SOUTH	Feet from the 660'	East/West line EAST	<sup>7</sup> County Lea
<sup>11</sup> 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	<sup>7</sup> County
<sup>12</sup> Dedicated Acres 40		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

	<sup>1</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	Signature
	Printed Name Ted Tipton
	Position Manager of Drilling Department
	Company Chevron USA Inc.
	Date August 11, 2003
	<sup>16</sup> 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.
	Date Surveyed August 4, 2003
	Signature & Seal of Professional Surveyor 
	Certificate No. 7254 John S. Piper
Sheet	

○ = Staked Location • = Producing Well = Injection Well ◊ = Water Supply Well ◆ = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

ADDITIONAL INFORMATION ON THE LOCATION

State Plane Coordinates			
Northing	647292.294 (1927=647227.377)	Easting	789878.552 (1927=748699.529)
Latitude	1983=32°46'36".587 1927=32°46'36".142	Longitude	1983=103°31'28".834 1927=103°31'27".045
Zone	North American Datum	Combined Grid Factor	Coordinate File
East	1927	.99979145	Buckekye.cr5
Drawing File	Field Book		
VGSAU132.dwg	Lea County 23, pg. 27		