

**III**

**Well Data**

# VGSAU 132 WIW

API # 30-025-36682

2630' FSL & 660' FWL

SEC 2, UL "I", TWN 18-S, Range 34-E, County Lea

ELEVATION: 4002' GL, 4008' KB

Completed:

## Surface Casing:

12 1/4" hole

34 JTS 8 5/8" csg - 24#, J55

set @ 1550'. Cemented w/ 695 sx 35:65 POZ class "C" cmt +6% gel+ 2% CaCl<sub>2</sub>, 12.8 ppg, followed by 200 Sx cl "C" + 22% CaCl<sub>2</sub> cmt 14.8 ppg. 140 Sx cement to surface. (5/10/04)

## Production Casing:

7-7/8" hole

100 JTS 5-1/2" csg - 15.5#, J55, LTC

set @ 4599'

Lead: 500 sx 35:65 POX cl "C" +5% Salt, 12.8 ppg cmt

Tail: 375 sx 50:50 POX cl "C" + 5% Salt 14.2 ppg cmt

Circulated 14 Sx of cmt to surface. Well was dead after Job. (5/16/04)

TOC @ Surface.

## Perforation Intervals & Initial Stimulation:

4370'-4383' (13'), 4426'-4484' (58'), 4488'-4526' (38'), 4530'-4548' (18'), 4558'-4563' (5'), 4567'-4572' (5'), with 2 jspf density

8,000 gls acid 15% HCL 2000 gls acid per stage w/ 55 ball sealers per stage, 8-10 bpm, 4 Stages and a total of 3000# Rock Salt (500, 1000 and 1500 # in between stages).

## Last Workover:

8-16 May-2004: Drilled 10 Aer Injector: Hit first flow @ 4469' w/ 28 bph. Drilled to 4533'. Flow increased to 40 bph. TD @ 4600'.

## INJECTION EQUIPMENT:

4300'- 2 7/8" Duofined Tubing

1- 5 1/2" Packer

Packer Estimated Setting Depth: 4300'

## Zones

Top	Depth	Interval
GB Marker		
GB Dol Top	4,350	60
GB Dol Bott	4,400	10
San Andres	4,410	220
Lovington	4,630	42
LSA	4,672	38
O/W	4,710	

TOTAL

370

PBTD @ 4590'

## COMMENTS AND RECOMMENDATIONS:

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. 1st Street, Artesia, NM 88210  
District III  
1000 Rio Urazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

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

Form C-101

Revised March 17, 1999

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 Chevron U.S.A. Inc. 15 Smith Road - Midland, Texas 79705		<sup>2</sup> OGRID Number 4323
<sup>4</sup> Property Code 30022	<sup>3</sup> Property Name Vacuum Grayburg San Andres Unit	<sup>3</sup> API Number 30-025-366813 <sup>5</sup> Well No. 132

<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
I	2	18-S	34-E		2630	South	660	East	Lea

<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

Vacuum Grayburg San Andres

<sup>10</sup> Proposed Pool 2

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

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	1550'	1200	0
7 7/8"	5 1/2"	15.5#	4850'	850	0

<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 Ont + 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.

Signature: *Laura Skinner*

Printed name: Laura Skinner

Title: Regulatory Specialist

Date: 4/23/04

Phone: (432) 687-7355

## OIL CONSERVATION DIVISION

Approved by: *S/PAUL F. KAUTZ*

Title:

Approval Date: 4/27/04

Expiration Date:

Conditions of Approval:

Attached ☒

Chevron Number HD9424

API number:	30-025-36682	
OGRID:	4323	Operator: CHEVRON U S A INC. 15 SMITH ROAD MIDLAND TX 79705
Property:	VACUUM GB-SA UNIT	# 132

ULSTR:	1	2	T 18S	R 34E
		2630 FSL	660 FEL	

XXXXXX	Pit must be lined with a minimum of a 12 mil re-enforced or 20 mil 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 20 mil re-enforced liner
	When using a 12 mil 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 20 mil 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 does not release the operator of its responsibilities for compliance with any other federal, state, or local laws and/or regulations.

505-393-6161  
ext 111 lwjohnson@state.nm.us  
ext 113 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 GD SA Unit No. 132 API#: \_\_\_\_\_ U/I. or Qtr/Qt: 1 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 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)
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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.

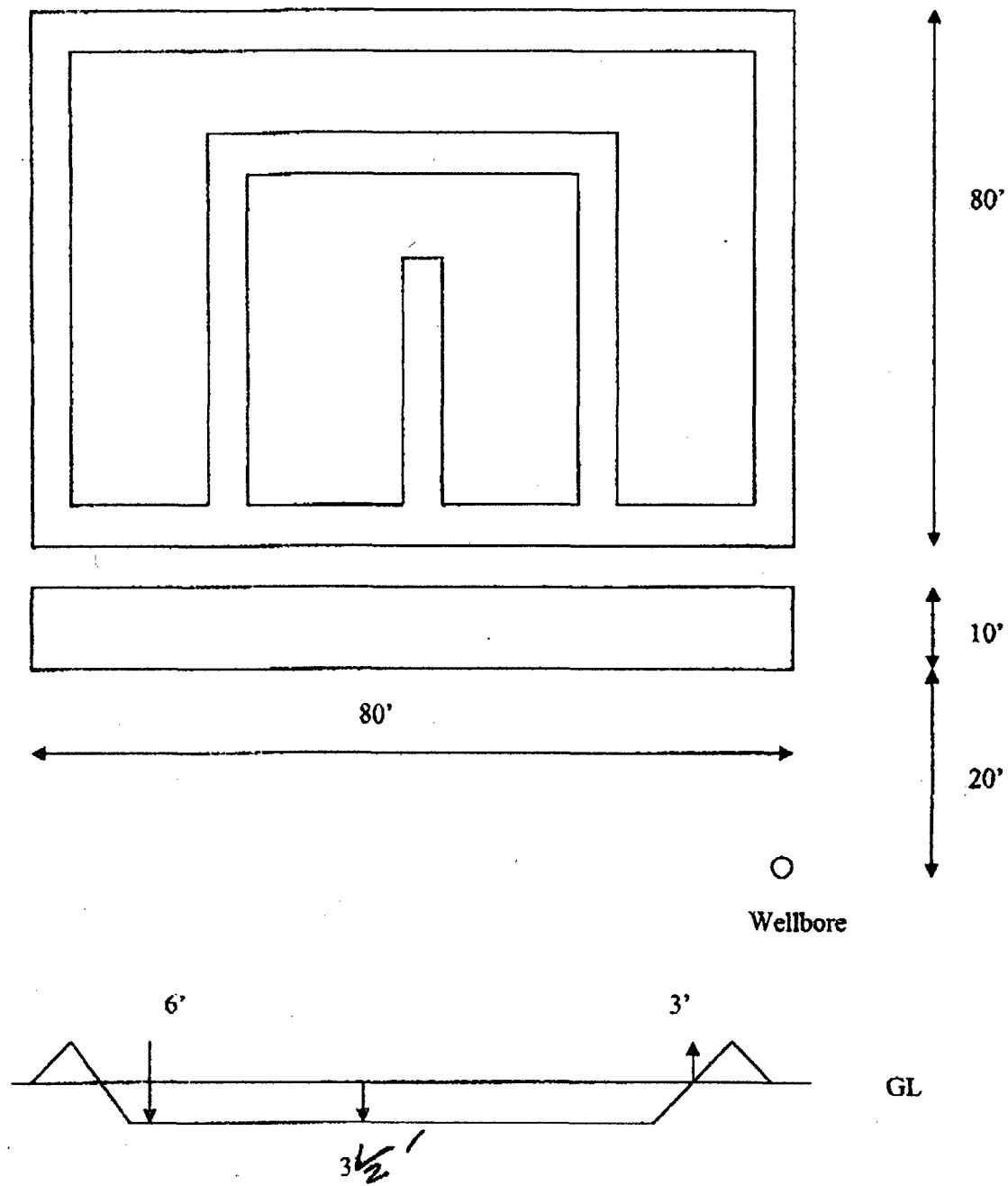
Approval:

Date: \_\_\_\_\_

Printed Name/Title: \_\_\_\_\_

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  
RMCD guidelines*

CONTRACT  
 1. Date: 1980, Leases: NM 88210  
 DISTRICT  
 1. O. Drawer DO, Artesia, NM 88210  
 DISTRICT  
 1. PO Box 2088, Santa Fe, NM 87504-2088  
 DISTRICT  
 1. PO 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-1021  
 Revised May 17, 2002

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies

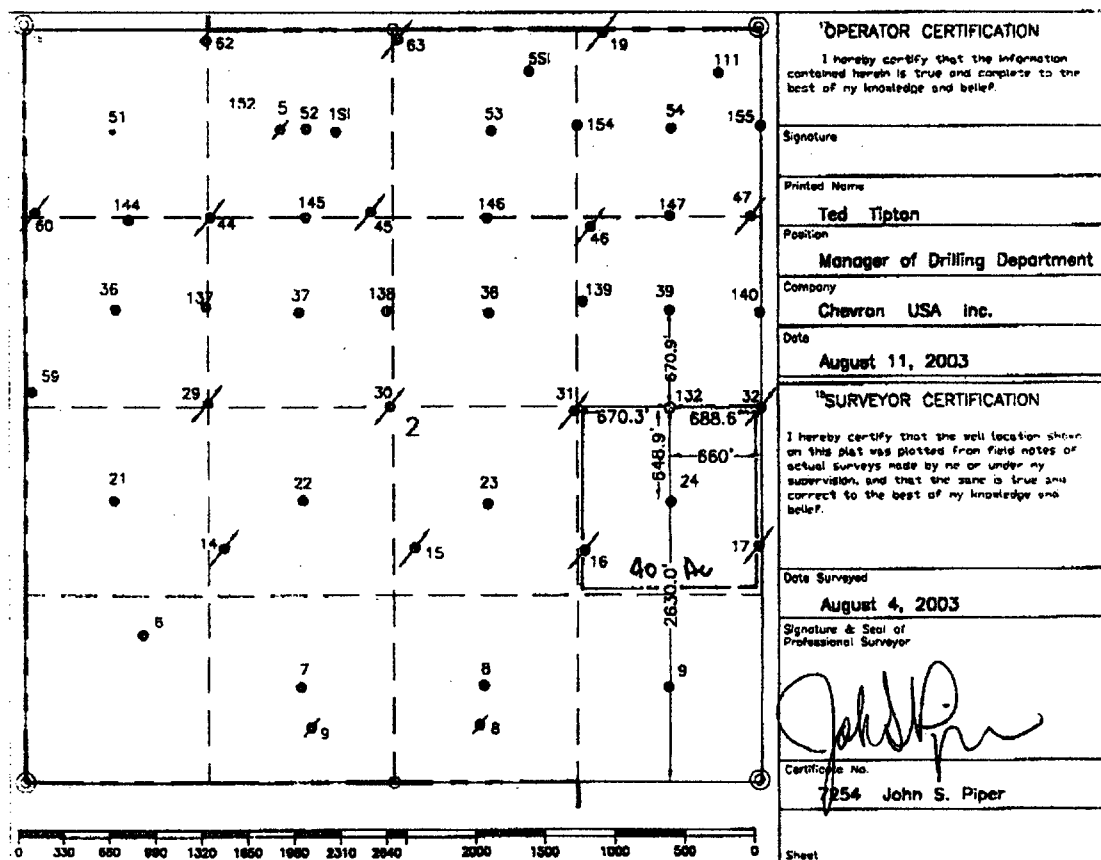
Fee Lease-3 copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

1. Well Number <b>30-025-36682</b>		2. Pool Code <b>62180</b>		3. Pool Name <b>POOL</b>	
4. Property Code <b>30022</b>		5. Property Name <b>Vacuum Grayburg San Andres Unit</b>			6. Well Number <b>132</b>
7. GSRD No. <b>4323</b>		8. Operator Name <b>Chevron USA Inc.</b>			9. Elevation <b>4002</b>
10. Surface Location					
11. Section <b>I</b>	12. Township <b>2</b>	13. Range <b>18-S</b>	14. Lot Idn <b>34-E</b>	15. Feet from the <b>2630</b>	16. North/South line <b>SOUTH</b>
			17. Feet from the <b>660'</b>	18. East/West line <b>EAST</b>	19. County <b>Lea</b>
20. Bottom Hole Location If Different From Surface					
21. Section <b>I</b>	22. Township <b>2</b>	23. Range <b>18-S</b>	24. Lot Idn <b>34-E</b>	25. Feet from the <b>2630</b>	26. North/South line <b>SOUTH</b>
			27. Feet from the <b>660'</b>	28. East/West line <b>EAST</b>	29. County <b>Lea</b>
30. Acres <b>40</b>		31. Right of Infill		32. 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.

Signature

Printed Name

**Ted Tipton**

Position

**Manager of Drilling Department**

Company

**Chevron USA Inc.**

Date

**August 11, 2003**

## 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

**John S. Piper**

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			
Northings	647292.294 (1927=647227.377)	Eastings	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	Buckeye.cr5
Drawing File	Field Book		
VGSAU132.dwg	Lea County 23, pg. 27		



**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Box Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-36683
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No.	132
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES

<p align="center"><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMITS" (FORM C-101) FOR SUCH PROPOSALS.)</p>	
1. Type of Well:	OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER INJECTION <input type="checkbox"/>
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH ROAD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>I</u> : <u>2630'</u> Feet From The <u>SOUTH</u> Line and <u>660'</u> Feet From The <u>EAST</u> Line Section <u>2</u> Township <u>18-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	4002'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

<p><b>NOTICE OF INTENTION TO:</b></p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p><b>SUBSEQUENT REPORT OF:</b></p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPERATION <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOB <input type="checkbox"/></p> <p>OTHER: <input checked="" type="checkbox"/> NEW WELL-SPUD &amp; CSG REPORT</p>
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12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-08-04: MIRU CAPSTAR RIG #16. SPUD 12 1/4" HOLE @ 1830 HRS. DRLG 10'-296', 315, 566, 807, 867, 1057, 1311, 1550.

5-10-04: RAN 34 JTS (1552') 8 5/8" 24#, J-55, STC CSG. WASH LAST 2 JTS. CMT @ 1550' W/695 SX 35/65 POZ C, 6% GEL, 2% CACL2, 0.25 PPS CELLOFLAKE, FOLLOWED W/200 SX CL C, 22% CACL2. BUMP PLUG W/1000 PSI @ 1145 HRS. FLOAT HELD. CIRC 140 SX CMT TO SURF. WOC.

5-11-04: DRILG 1550-1579, 1675, 1736, 2088, 2596, 2715, 3104, 3265, 3612, 3679, 3685, 3772, 3828, 3866, 4120, 4175, 4406, 4469, 4533, 4600.

5-15-04: RUN #1 PLATFORM EXPRESS W/HRLA LOGGERS TD @ 4600.

5-16-04: RAN 100 JTS (4601) 5 1/2" 15.5#, K055 LT&C CSG TO 4599. FC @ 4550. CMT CSG @ 4599. MIX & PUMP 15 BLW, 20 BBLS CW100, 15 BFW, 500 SX 35/65 POZ C + 5% SALT, 6% SALT, 0.25 PPS CELLOFLAKE FOLLOWED BY 375 SX 50/50 POZ C, 5% SALT, 2% GEL, 0.25 PPS CELLOFLAKE. BUMP PLUG @ 1130 HRS W/1750 PSI. FLOAT HELD. CIRC 14 SX CMT TO SURF. RIG RELEASED @ 1600 HRS.

WAIT ON COMPLETION

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

SIGNATURE Denise Leake TITLE Regulatory Specialist DATE 5/24/2004

TYPE OR PRINT NAME Denise Leake Telephone No. 915-687-7375

(This space for State Use)

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE \_\_\_\_\_