

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

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TX 79705		² OGRID Number 4323
³ Property Code 29923		⁴ API Number 30 - 025-02958
⁵ Property Name CENTRAL VACUUM UNIT		⁶ Well No. 49
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. C	Section 31	Township 17-S	Range 35-E	Lot Idn	Feet from the 660'	North/South line NORTH	Feet from the 1980'	East/West line WEST	County LEA
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no. A	Section 36	Township 17-S	Range 34-E	Lot Idn	Feet from the 620'	North/South line NORTH	Feet from the 130'	East/West line EAST	County LEA
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Additional Well Information

¹¹ Work Type Code Horizontal	¹² Well Type Code O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3987' GL
¹⁶ Multiple NO	¹⁷ Proposed Depth 4750'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ Spud Date 07-01-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> SEE ATTACHED C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

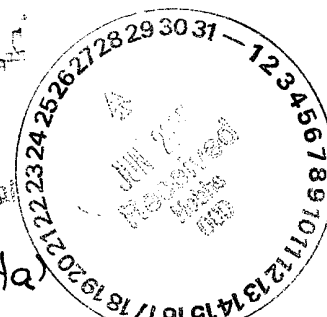
21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

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.

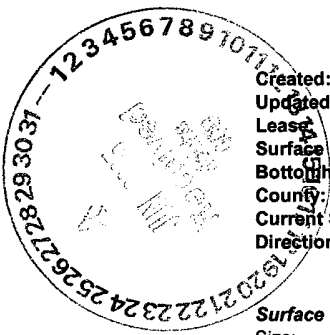
KICK OFF POINT - 4051'
TOP OF WINDOW - 4041'
BOTTOM OF WINDOW - 4056'
TARGET INTERVAL - 4575' - 4750'
LENGTH OF LATERAL - 2010'
PERFORATIONS - OPEN HOLE LATERAL

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Horizontal



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 <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: DENISE PINKERTON <i>Denise Pinkerton</i>		Approved by: <i>[Signature]</i>	
Title: REGULATORY SPECIALIST		Title: PETROLEUM ENGINEER	
E-mail Address: LEAKEJD@CHEVRONTTEXACO.COM		Approval Date: Expiration Date:	
Date: 6-22-2005	Phone: 432-687-7375	Conditions of Approval <input type="checkbox"/>	

**CURRENT
WELLBORE DIAGRAM**



Created: 8/26/2003 By: SMG
 Updated: By:
 Lease: Central Vacuum Unit
 Surface Location: 660' FNL & 1980' FWL
 Bottom Hole Location: None
 County: Lea St: NM
 Current Status: Active Oil Well
 Directions to Wellsite: Buckeye, New Mexico

Well No.: 49
 Unit Ltr: C
 Unit Ltr:
 St Lease: B-1334
 Elevation: 3987' GL
 Sec: 31
 Sec:
 API: 30-025-02958
 Field: Vacuum Grayburg
 TSHP/Range: 17S-35E
 TSHP/Range:
 Cost Center:
 TEPI: BCT493000
 MVP: BCT494500

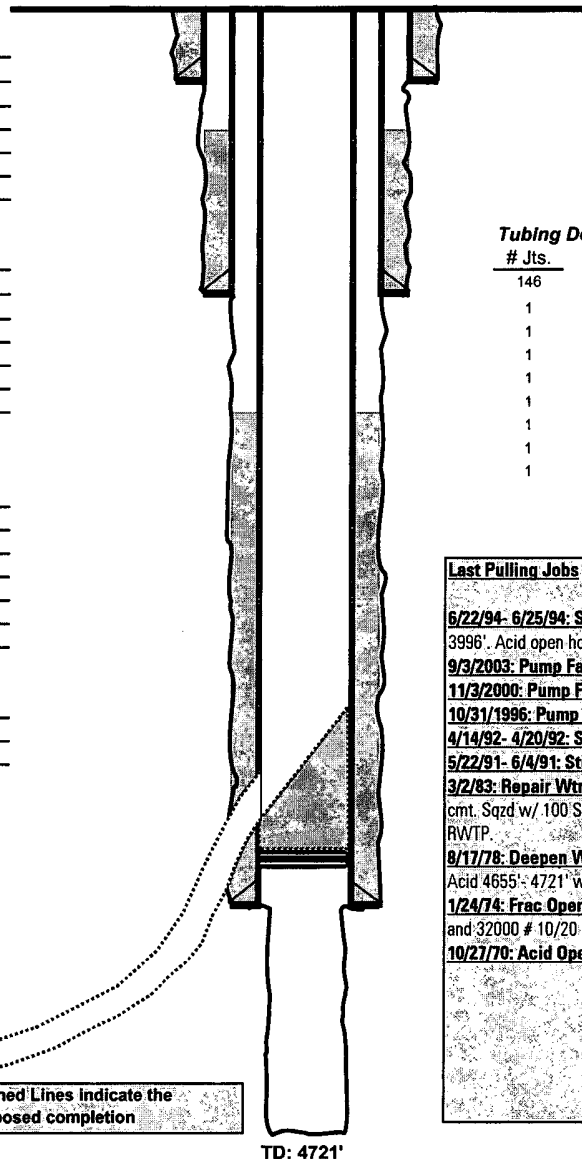
Surface Csg.
 Size: 16"
 Wt.: 70#, LW
 Set @: 172'
 Sxs cmt: 150
 Circ: Yes
 TOC: Surface
 Hole Size: 19 3/4"

Intermediate Csg.
 Size: 10 3/4"
 Wt.: 40#, SS
 Set @: 1545'
 Sxs Cmt: 300
 Circ: Yes
 TOC: 952'
 Hole Size: 13 3/4"

Production Csg.
 Size: 7"
 Wt.: 24#, SS
 Set @: 4109'
 Sxs Cmt: 350
 Circ: Yes
 TOC: 2700'
 Hole Size: 8 1/4"

Open Hole
 Hole Size: 6 1/4"
 Depth: 4109'-4721'
 TD: 4721' FT

Horizontal Completion Proposal:
 CIBP: 4,056'
 Top of Window: 4,041'
 Bottom of Window: 4,056'
 Kick Off Point: 4,051'
 Landing Point: 4,575'
 Target Interval: 4,575'-4750'
 Perforations: Open Hole
 Size Of Hole: 8 1/4"



KB: 3987'
 DF: 3987'
 GL: 3987'

Original Spud Date: 11/19/1937
 Original Compl. Date: 12/28/1937

Tubing Detail		Date:	
# Jts.	Size		Footage
146	2 7/8" J55 bare cl. 'B'		4542.40
1	Drain Valve		0.53
1	2 7/8" J55 Tbg Sub		2.25
1	Check Valve		0.53
1	2 7/8" Tbg Sub		2.1
1	4" pump		15.56
1	4" pump		4.4
1	4" Seal		5.63
1	4.5" Motor		12.28
Pump @:			4567.77

Last Pulling Jobs

6/22/94- 6/25/94: **Stimulation:** Tagged @ 4720'. Set pkr @ 4050'. Reset Pkr @ 3996'. Acid open hole w/ 5400 gls 20% NEFE. SIS:RWTP.
 9/3/2003: **Pump Failure:** Power Outage: Fish Stuck Unit.
 11/3/2000: **Pump Failure:** Changed Pump.
 10/31/1996: **Pump Failure:** Caused not found.
 4/14/92- 4/20/92: **Stimulation:** C/O to 4721'. Acid w/ 4000 gls 15%.
 5/22/91- 6/4/91: **Stimulation:** C/O 4690'- 4721'. Acid OH w/ 7000 gls 15%.
 3/2/83: **Repair Wtr Flow:** Perf 7" csg @ 1570'. Cmt to surface w/ 500 Sx cl "H". cmt. Sqzd w/ 100 Sx cl "H". cmt. Sqzd w/ 100 sx cl "C". cmt. Remove RBP @ 3900'. RWTP.
 8/17/78: **Deepen Well:** deepen to 4721'. Original TD was 4560'. Set pkr @ 4655'. Acid 4655'- 4721' w/ 6000 gls 15%.
 1/24/74: **Frac Open Hole:** frac open hole 4109'- 4545' w/ 30000 gls K1 superfrac and 32000 # 10/20 sand.
 10/27/70: **Acid Open Hole:** Use 2000 gls 28% acid and 1000 gls 3% NE acid.

Dashed Lines indicate the proposed completion

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-1003
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-02958		² Pool Code 62180		³ Pool Name VACUUM GRAYBURG SAN ANDRES	
⁴ Property Code 29923		⁵ Property Name CENTRAL VACUUM UNIT			⁶ Well Number 49
⁷ OGRID No. 4323		⁸ Operator Name CHEVRON U.S.A. INC.			⁹ Elevation 3987' GL

¹⁰ Surface Location

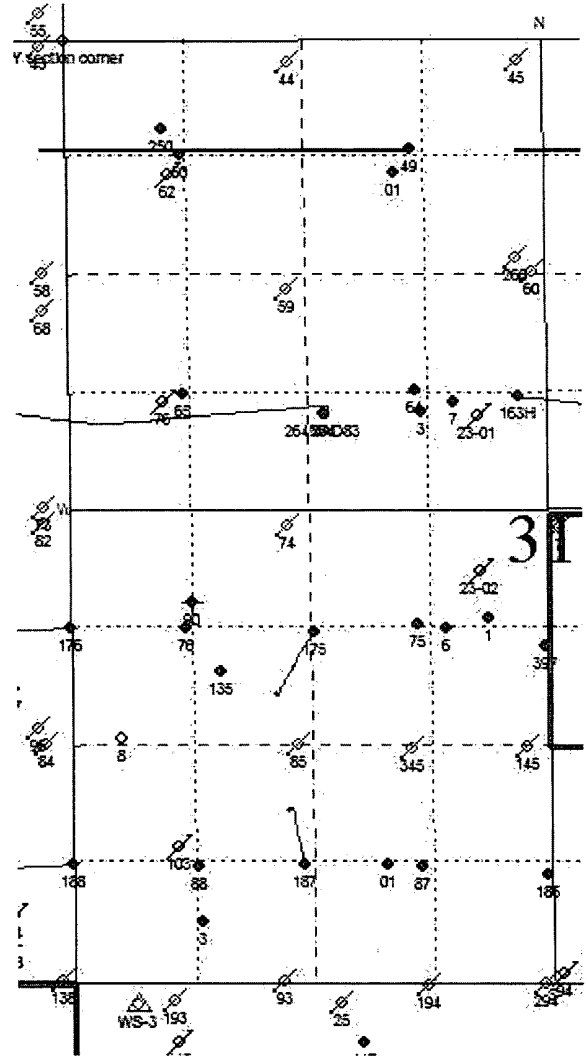
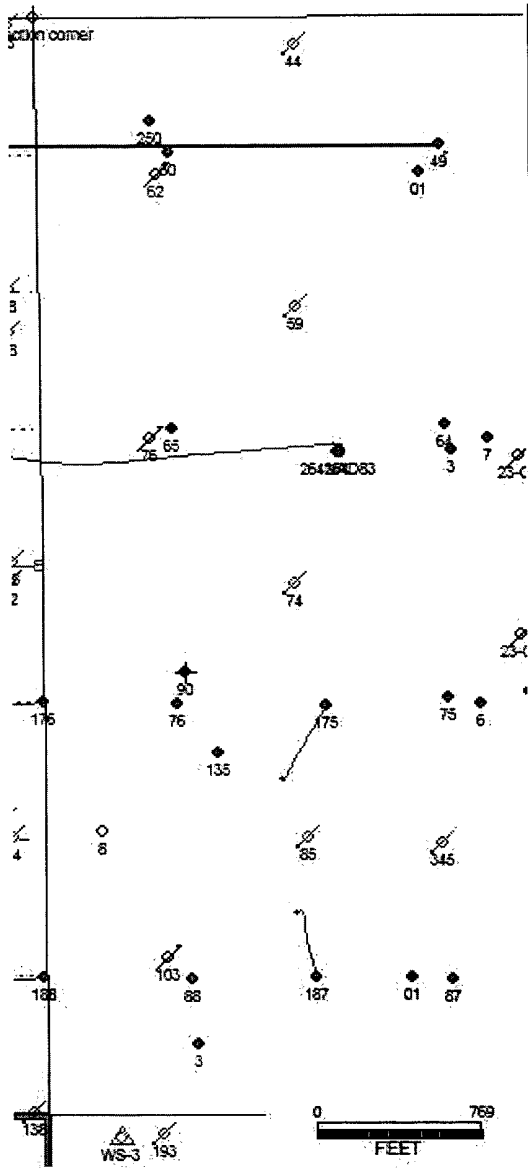
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	17-S	35-E		660'	NORTH	1980'	WEST	LEA

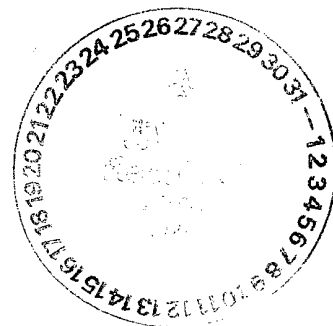
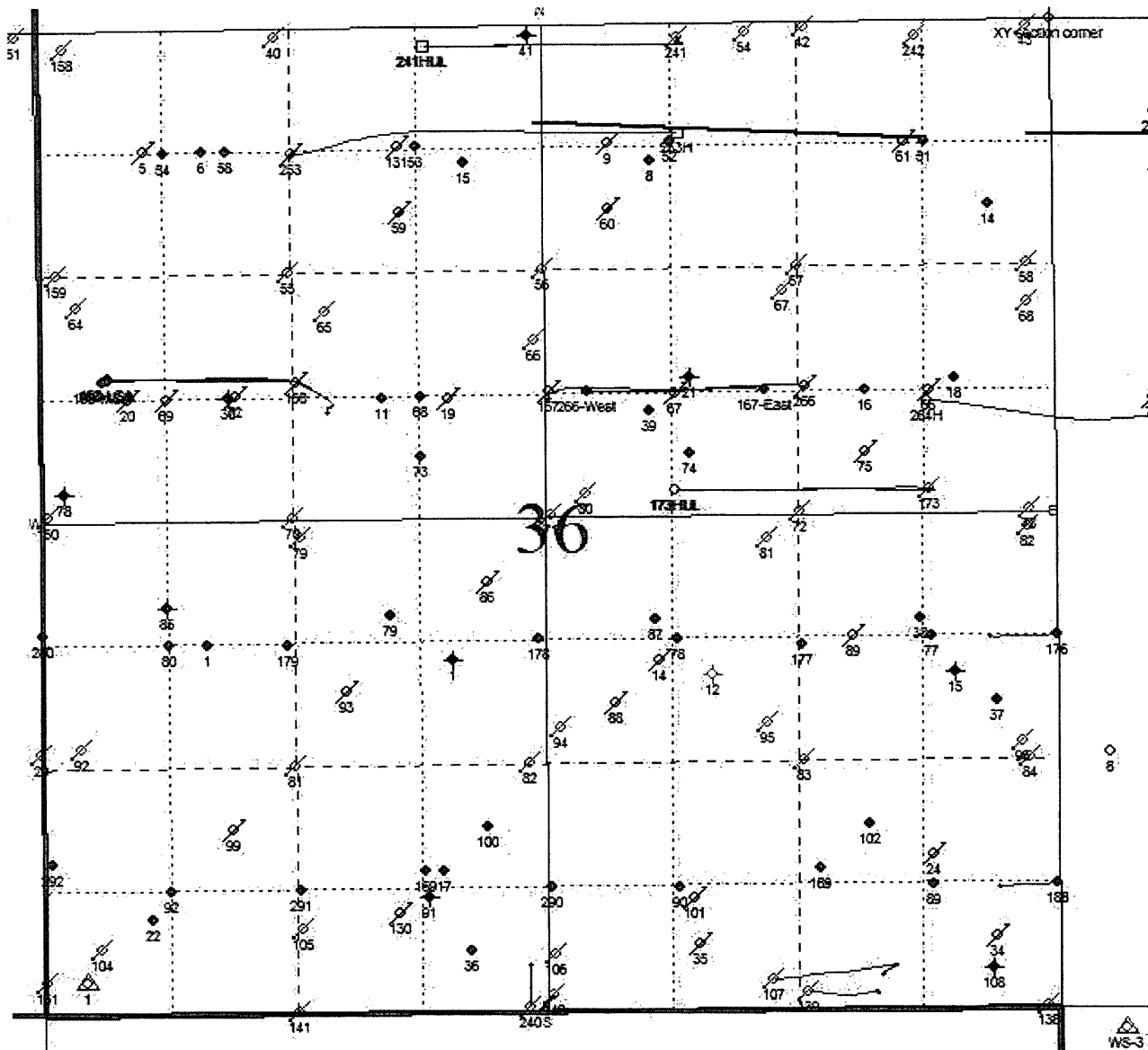
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	17-S	34-E		620'	NORTH	130'	EAST	LEA
¹² Dedicated Acres 120		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

¹⁶ <i>B / sec 36</i> ¹⁷ <i>A #49 BHL</i> ¹⁸ <i>D sec 31</i> ¹⁹ <i>C #49 SHL</i> ²⁰ <i>1980'</i> ²¹ <i>130'</i> ²² <i>620'</i>				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Denise Pinkerton</i> Signature DENISE PINKERTON Printed Name REGULATORY SPECIALIST LEAKEJD@CHEVRONTXACO.COM Title and E-mail Address 6-22-2005 Date	
¹⁸ 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. <i>In Unit</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number					





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State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

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: 432-687-7375 e-mail address: LEAKEJD@CHEVRONTXACO.COM
Address: 15 SMITH ROAD, MIDLAND, TX 79705
Facility or well name: CENTRAL VACUUM UNIT #49H API #: 30-025-02958 U/L or Qtr/Qtr C Sec 31 T 17-S R 35-E
County: LEA Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: STATE

Pit

Type: Drilling

Lined

Liner type: Synthetic ☐ Thickness 20mil Clay ☐

Pit Volume 1965 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.)

50 feet or more, but less than 100 feet

(10 points)

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

No

(0 points)

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

1000 feet or more

(0 points)

Ranking Score (Total Points)

10 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: (check the onsite box if you are burying in place) 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.

Additional Comments:

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: 6-23-2005

Printed Name/Title MARK GARZA DRILLING ENGINEER

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:

Printed Name/Title

PETROLEUM ENGINEER

Signature

Date: JUN 29 2005

Key #117 Pit Design

Cvu #49 Horizontal

