<u>District 1</u> 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. For drilling and production facilities, submit to appropriate NMOCD District Office.

For downstream facilities, submit to Santa Fe

Form C-144 March 12, 2004

Santa Fe, NM 87505

Pit or Below-Gra	de Tank Registration or Closur	<u>re</u>
Is pit or below-grade tank	k covered by a "general plan"? Yes No	X
Type of action: Registration of a pit o	r below-grade tank 📋 Closure of a pit or below-gra	de tank 🔼
Operator; Gruy Petroleum Management Co. Telephone: 9	72_443_6480e-mail address: zfarris@cimarex.com_	
Address: P.O. Box 140907, Irving, Tx 75014-0907		<del> </del>
Facility or well name: Grynberg 11 Federal Com No. 4 API #: 30-015-3	4197 U/L or Qtr/QtrD Sec_11 T25	S R26E
County: Eddy Latitude 320856.49 N Longitude 10416	04.60 W NAD: 1927 X 1983 ☐ Surface O	wner Federal 🗌 State 🗌 Private 📗 Indian 🔲
Pit	Below-grade tank	
Type: Drilling Z Production Disposal D	Volume:bbl Type of fluid:	
Workover  Emergency	Construction material:	
Lined X Unlined	Double-walled, with leak detection? Yes   If no	t, explain why not.
Liner type: Synthetic ☑ Thickness 12 mil Clay ☐ Volume		
bbl		
Depth to ground water (vertical distance from bottom of pit to seasonal high	Less than 50 feet	(20 points)
water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)
> 70' See water well record	100 feet or more	( 0 points)
	Yes	(20 points)
Wellhead protection area: (Less than 200 feet from a private domestic	(No)	( ( 0 points)
water source, or less than 1000 feet from all other water sources.)	<u> </u>	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)
digation causis, differes, and perchinal and epitemetal watercourses.)	1000 feet or more	0 points
	Ranking Score (Total Points)	-0-
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Indic	ate disposal location:
onsite offsite I If offsite, name of facility	(3) Attach a general description of remedial act	tion taken including remediation start date and en
date. (4) Groundwater encountered: No 🛛 Yes 🔲 If yes, show depth belo	ow ground surfaceft, and attach samp	le 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 been/will be constructed or closed according to NMOCD guidelines , a Date: 05-03-06	general permit 🔲, or an (attached) alternative O	CD-approved plan .
Printed Name/Title Zeno Farris Manager Operations Administration	Signature Zeno Fami	<b>'</b>
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.	relieve the operator of liability should the contents of	f the pit or tank contaminate ground water or
Approval:	$\sim$	
Date:MAY 0 4 2UU6		
Printed Name/Title	Signature	

### Surface Pit Closure Plan

### Pit Parameters

Well site: Grynberg 11 Federal Com. #4

Legal Description: 880FNL, 1270 FWL

Section 11 25 S 36 E

Eddy County, New Mexico

80-015-34197 32685649N 04160460W

The reserve pit insitu on this leasehold is being permitted to close as per New Mexico OCD "Pit and Below Grade Tank Guidelines" dated November 1, 2004.

This pit was excavated and formed to the dimensions roughly 120 feet x 115 feet x 6 feet deep. A 12 mil membrane liner and pad was used to prevent leakage to the surface soils. A visual examination of the membrane liner indicates that the liner has maintained its integrity.

The well bore penetrated a salt/anhydrite section causing the drilling fluid to saturate to a concentration weight of > 9.5 ppg.

After the drilling and completion phase of this project, the water phase of the pit contents were pumped and hauled to an approved water injection facility. The remaining solids were mechanically pulled to the corners of the containment area to allow them to dry and leach out as much liquid phase as possible. Again these liquids we hauled to an approved water injection facility. It is estimated that the volume of solids remaining are to +/- 2500 yards. The burial cell is to

be excavated and lined with a minimum 12 mil membrane that complies with ASTM Standard(s): D 5747, D 5199, D-5994, and D-4833. The cuttings will be loaded as to allow for > 36" freeboard to ground level. After the cuttings are loaded, the 12 mil liner will be folded over the top. A 20 mil minimum thickness liner meeting the minimum requirements as outlined in ASTM Standard Methods: D-5747, D-5199, D-5994, D-4833; will be used to cap and cover to an extended area that exceeds three feet in all directions from the edge of the burial cell. This cap will be constructed as to slope and allow for water runoff from burial cell.

A minimum of 36" of top soil will be used to cover the burial cell. This soil must be capable of supporting native plant growth. A seed mixture will be used as to conform to local BLM as well as New Mexico OCD requirements. The seeding and propagation of required native plants will be monitored as to insure that growth is reestablished.

After the drilled solids are buried, the natural contour of the surrounding soils will be mechanically shaped as prevent erosion of the well site until vegetation is established.

The caliches and soils will be pulled from the well site pad to allow for a 200 X 300 pad dimension for production use. The remaining materials will be used to maintain lease roads and other drill sites

${\tt File}$	Number:	

# NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

Work Phone: 972-443-6489
Home Phone:
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State: <b>TX</b> Zip: <b>75014-0907</b>
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ship: 25S Range: 26E N.M.P.M.
County.
feet, N.M. Coordinate System
Grant.
e: <u>104</u> d <u>16</u> m <u>04.60</u> s
Zone 13, NAD (27 or 83)
Hydrographic Survey
of the
County.
- Work Phone: <b>325-893-2950</b>
Work Phone: 325-893-2950 Home Phone: 325-893-2950
Home Phone: 325-893-2950
Work Phone: 325-893-2950  Home Phone: 325-893-2950
Home Phone: 325-893-2950
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Home Phone: 325-893-2950  State: TX Zip: 79510  ; Type tools: Air Rotary ; ft.; ian);

Depth in F		hickness in feet		ption of bearing fo	ormation	-	Es	timated (GPM)	
RECORD OF	CASING								
Diameter (inches)	Pounds	Threads per in.		in Feet Bottom <b>60.0</b>	Length (feet)	Type of	Shoe	Perfor From	ration: To
2.0	.020	4.0	60.0	70.0	10.0			60.0	70.0
RECORD OF  Depth in  From T	Feet	AND CEM Hole iameter	Sacks	Cubic Fe		Method of	Placem	nent	
	0 0			of Cemer	IL.				
70.0 <u>1</u>	0.0 6	1/8	17.0 6.0	1.997	Ben	tonite Pelle d Mix - cen			
10.0 0	0.0 6 .0 6	1/8	17.0 6.0	1.997	Ben Han	d Mix - cen	nent		
PLUGGING Plugging (	0.0 6 .0 6 RECORD Contractor Addressing Method	1/8 1/8 ::::::::::::::::::::::::::::::::	17.0 6.0	1.997	Ben Han	d Mix - cen	nent		
PLUGGING Plugging (	RECORD Contractor Addressing Method	1/8 1/8 ::: ::: ::: ::: ::: ::: :::	17.0	1.997	Ben Han	d Mix - cen	nent		
PLUGGING Plugging ( Plugg	RECORD Contractor Addressing Method 11 Plugger	1/8 1/8 ::::::::::::::::::::::::::::::::	17.0	1.997	Ben Han	d Mix - cen	nent		
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File Number:	
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## NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

#### 9. LOG OF HOLE: GRYNBERG 11 FED COM 4

Depth in	feet To	Thickness in feet	Color and Type of Material Encountered
0.0	2.0	2.0	Caliche.
2.0	18.0	16.0	Limestone.
18.0	25.0	7.0	Tan silty shale.
25.0	28.0	3.0	Limestone.
28.0	30.0	2.0	Reddish brown silty shale.
30.0	39.0	9.0	Limestone.
39.0	41.0	2.0	Reddish brown silty shale.
41.0	42.0	1.0	Reddish brown clay.
42.0	45.0	3.0	Reddish brown silty shale.
45.0	46.0	1.0	Clay stringer.
46.0	52.0	6.0	Tannish brown silty shale.
52.0	58.0	6.0	White limestone.
58.0	70.0	12.0	Light gray limestone.
	10.0	12.0	Eight gray limestone.
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File Number:		Trn Number:	
Form: wr-20	page 3 of 4		

	ADDITIONAL STATEMENTS OR EXPLANATIONS: GRYNBERG 11 FED COM 4
1	Temporary well set to measure ground water then all casing pulled and plugged borehole.
_	
_	
_	
_	
-	
-	
•	
	The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.  Driffer (mm/dd/year)
	- 

Quad ; FWL ; FSL ; Use ; Location No.

page 4 of 4

File Number:

Form: wr-20

Trn Number:

File Number: