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

	de Tank Registration or Closur	
ls pit or below-grade tan Type of action: Registration of a pit o	k covered by a "general plan"? Yes No or below-grade tank Closure of a pit or below-grade	∆i e tank ⊠
•	172_443_6489e-mail address: zfarris@magnumhunter	com
Address: P.O. Box 140907, Irving, Tx 75014-0907	20562	- 26E
,	33563 U/L or Qtr/Qtr E Sec 23 T 25	
County: Eddy Latitude 320707.60 N Longitude 10416	NAD: 1927 🔀 1983 🗋 Surface Ow	mer Federal 🗌 State 🔲 Private 🔲 Indian 🗍
Pit	Below-grade tank	
Type: Drilling 🔀 Production 🗌 Disposal 🗌	Volume:bbl Type of fluid:	
Workover    Emergency	Construction material:	
Lined V Unlined	Double-walled, with leak detection? Yes I If not	explain why not
Liner type: Synthetic X Thickness 12 mil Clay Volume	Podoto Water, Wild roam detection. Too Ell A no.	, aupture may now
bbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)
water elevation of ground water.)	100 feet or more	(10 points)
>70' See water well record	100 teet of more	( o points)
Wellbead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)
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,	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)
	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) Indica	te disposal location:
onsite 🔀 offsite 🔲 If offsite, name of facility	(3) Attach a general description of remedial acti	on taken including remediation start date and en
date. (4) Groundwater encountered: No XI Yes I If yes, show depth bel	ow ground surfaceft. and attach sample	e results. (5) Attach soil sample results and a
diagram of sample locations and excavations.	ccordance with NMOCD guidelines when D	ietriot approval is received
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 .	f my knowledge and belief. I further certify that the a general permit [], or an (attached) alternative O	above-described pit or below-grade tank has CD-approved plan .
Printed Name/Title Zeno Farris Manager Operations Administration	Signatura Zeno Family	•
Your certification and NMOCD approval of this application/closure does no otherwise endanger public health or the environment. Nor does it relieve the regulations.	t relieve the operator of liability should the contents of	the pit or tank contaminate ground water or
Approval: MAY 0 4 2006		
Date:		
Printed Name/Title	Signature	
		- · · · · · · · · · · · · · · · · · · ·

# Surface Pit Closure Plan

## Pit Parameters

Well site: Wigeon 23 Federal Com #1

Legal Description: 1650FNL, 1650FEL

Section 23 25S 26 E

Eddy County, New Mexico

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 +/- 1200 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

File	Number:		

# NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

1.OWN	ER OF WEL					
	Name:	Gruy Petroleum M	lanagement Co.		Work Phone:	972-443-6489
	Contact:	Zeno Farris			Home Phone:	
	Address:	Zeno Farris P.O. Box 140907				
		Irving			State: <b>TX</b>	Zip: <b>75014-0907</b>
		WELL (A,B,C,or D				26E N. N. D. N.
Α.	in Eddy					ange: 26E N.M.P.M.
	In <u>Eury</u>					County.
В.		one in the	et, Y =		feet, N.M	. Coordinate System Grant.
		Quad Map				
С.	Latitude:	32 d 07 m	<b>07.60</b> s	Longitude	e: <u>104</u> d <u>16</u>	m <u>05.90</u> s
D.	East	(m), North		(m), UTM 2	Zone 13, NAD _	(27 or 83)
E.	Tract No.	, Map No.	of th	e	Ну	drographic Survey
F.	Lot No.	. Block No	. of Uni	t/Tract		of the
		Su	bdivision reco	rded in		County.
				<del></del>		
G.	Other:					
		e Engineer File N				
3. DR	LLING CON	TRACTOR				
Li		r: <u>WD-1456</u>			•	
		ne: White Drilling C				
		t: John W. White			. Home Phone:	325-893-2950
Mai	ling Addres	ss: P.O. Box 906			-	
	Cit	y: Clyde		····	State: TX 2	Zip: 79510
Dr	illing bega	CORD: WIGEON 23 n: 3/21/06 ;	Completed: 3	/22/06	; Type tools:	Air Rotary ;
		6 1/8 in.; Tota				
		l is: <b>shallow</b> r upon completion				
ne]	pen to wate	r upon completion	u or weil: Did		ft.	
•						
File N	Number:				Trn Number:	
	Form: wr-2	!0	nage 1 of 4			

Depth in Fee		hickness in feet		ption of bearing fo	ormation		Es	timated (GPM)	
RECORD OF C	ASING Pounds	Threads	Denth	in Feet	Lengtl	Type o	f Choe	Derfo	rations
(inches)		per in.	_	Bottom	(feet)		. Blice	From	To
	020	4.0	60.0		10.0			60.0	70.0
PECOPD OF 1									
	TITATATA	AND CEM	RNTTNC						
Depth in F	eet D	iameter	Sacks of mud	Cubic Fo	nt	Method o		nent	
Depth in F	eet  0 6 6	Hole iameter 1/8 1/8	Sacks of mud 19.0 6.0	1.997	B H	entonite Pel and Mix - ce	lets ment	ment	
Depth in F From To 70.0 10.0  10.0 0.0  PLUGGING RI Plugging Co	eet D 6. 6. CCORD ntractor Address Method	Hole iameter 1/8 1/8	Sacks of mud 19.0 6.0	1.997	B H	entonite Pel and Mix - ce	lets ment	ment	
Depth in F From To 70.0 10.0  10.0 0.0  PLUGGING RI Plugging Co	CORD  Address  Method  Plugged	Hole iameter 1/8 1/8	Sacks of mud 19.0 6.0	of Ceme:	B H	entonite Pel and Mix - ce	lets ment	nent	
Depth in F From To 70.0 10.0 10.0 0.0  PLUGGING RI Plugging Co  Pluggin Date Well	CCORD  Address  Method  Plugged  roved by  No. De	Hole iameter 1/8 1/8  iiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Sacks of mud 19.0 6.0	of Ceme	Engineer  Cement	entonite Pel and Mix - ce	lets ment	ment	
Depth in F From To 70.0 10.0 10.0 0.0  PLUGGING RI Plugging Co  Pluggin Date Well	CORD  Address Method Plugged  Top  Top  1 2 3 4	Hole iameter 1/8 1/8 1/8  iii: ii: ii: ii: ii:	et Cub:	of Ceme	Engineer Cement	entonite Pel and Mix - ce	lets ment	ment	

File Number: \_

				;	File Number:	
NEW	MEXICO		THE		ENGINEER	

### 9. LOG OF HOLE: WIGEON 23 FED COM 1

Depth in From	feet To	Thickness	Color and Type of Material Encountered
0.0	2.0	in feet 2.0	Clark house and a star
2.0	11.0	9.0	Light brown sandy clay.
11.0	12.0	1.0	Limestone.
12.0			Reddish brown silty shale.
	17.0	5.0	Limestone.
17.0	21.0	4.0	Reddish brown silty shale.
21.0	22.0	1.0	Reddish brown clay.
22.0	30.0	8.0	Reddish brown silty shale.
30.0	42.0	12.0	Caliche.
42.0	56.0	14.0	White limestone.
56.0	57.0	1.0	Reddish brown silty shale.
57.0	59.0	2.0	Limestone.
59.0	60.0	1.0	Reddish brown silty shale.
60.0	70.0	10.0	Limestone.
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	File Number:	
	NEW MEXICO OFFICE OF THE STATE ENGINEES WELL RECORD	R
ADDITIONA Temporary w	AL STATEMENTS OR EXPLANATIONS: WIGEON 23 FED Cell set to measure ground water then all casing pulled and	юм 1 plugged borehole.
The undersibelief, the	gned hereby certifies that, to the best of his foregoing is a true and correct record of the Drilfer    3 28 06	knowledge and above described
		•
<b></b>	==== <b>========================</b> =========	<del></del>
	FOR STATE ENGINEER USE ONLY	

Quad ;FWL ;FSL ;Use ;Location No.

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Trn Number: