

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-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 Yates Petroleum Corporation Telephone 505-748-4500 e-mail address mikes@yepcm.com

Address 105 South 4th Street, Artesia, NM 88210

Facility or well name Glow Worm ALX Federal #11 API # 30-015-35313 U/L or Qtr/Qtr C Sec 3 T 23S R 31E

County Eddy Latitude 32.33973 Longitude 105.76676 NAD 1927 ☒ 1983 ☐

Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

DEC 20 2007  
OCD-ARTESIA

**Pit**  
Type: Drilling ☒ Production ☐ Disposal ☐  
Work over ☐ Emergency ☐  
Lined ☒ Unlined ☐  
Liner type: Synthetic ☒ Thickness 12 mil Clay ☐  
Pit Volume 20,000 bbl

**Below-grade tank**  
Volume \_\_\_\_\_ bbl Type of fluid \_\_\_\_\_  
Construction material \_\_\_\_\_  
Double-walled, with leak detection? Yes ☐ If not, explain why not \_\_\_\_\_

MAR 07 2008  
OCD-ARTESIA

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) XXXX
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) XXXX
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) XXXX
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 (check the onsite box, if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility NA (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: Closure workplan for drilling pit. The drilling pit contents will be mixed to stiffen the pit contents. A encapsulation trench will be excavated and lined with a 12 mil synthetic liner on former drilling pit site. Drilling pit contents will then be emplaced into the encapsulation trench. A 20 mil synthetic liner will then be placed over the pit contents with a minimum of a 3' over lap of the underlying trench areas. The encapsulation trench will then be backfilled to grade using a minimum of 3' of clean soil and like material. A one call and 48 hour notice will be provided to the Oil Conservation Division before pit closure actions begin.

Pit Closure actions to begin by: NA Ending date: NA

TRENCH BURY

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 12/17/2007

Printed Name/Title Mike Stubblefield / Environmental Regulatory Agent

Signature Mike Stubblefield

Our 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.

RR 12/17/07

Signed By Mike Stubblefield

Signature

Date DEC 20 2007

blamed from  
submitted to  
X-filing  
HOURS  
G SAMPLES.

If burial trench is to be constructed in pit area, samples are to be obtained and analyses submitted to OCD PRIOR to lining trench.

PIT CLOSURE FINAL

Accepted for record  
NMOCD

DATE 2/28/2008  
MAR 11 2008

I certify that on 2/25/2008 tests were conducted on soil samples from the  
 Following are the results of those tests:  
Glow Worm ALX Federal #11.

SAMPLE POINT	TPH (EPA Method 9074)	CHLORIDES (EPA Method 9253)	BTEX (PID Meter)
NW corner drilling pit Cleaned out drilling pit bottom. 10' depth			
NE corner drilling pit Cleaned put drilling pit bottom. 10' depth			
SE corner drilling pit Cleaned out drilling pit bottom. 10' depth			
SW corner drilling pit Cleaned out drilling pit bottom. 10' depth			
Middle drilling pit. Cleaned out drilling pit Bottom 10' depth	48 ppm	113 ppm	0 ppm

ALL RESULTS ARE PPM

Memo note; Soil samples taken for the 10' depth were from the bottom of the cleaned out drilling pit area. Vertical delineation was the maximum with equipment on location.

All testing was done at Yates Petroleum Corporation or on location.

Respectfully,

*Mike Stubblefield*

Mike Stubblefield

Environmental Regulatory Agent

2/27/2008 8:30 AM

\* Verbal approval was given by OGD/Mike Brather to Mike Stubblefield  
 To start backfill on cleaned out drilling pit area.

I certify that on 2/20/2008 tests were conducted on soil samples from the  
 Following are the results of those tests:  
Glow Worm ALX Federal #11.

SAMPLE POINT	TPH (EPA Method 9074)	CHLORIDES (EPA Method 9253)	BTEX (PID Meter)
NW corner drilling pit Cleaned out drilling pit bottom. 10' depth	77 ppm	70 ppm	0 ppm
NE corner drilling pit Cleaned put drilling pit bottom. 10' depth 14' depth	123 ppm	562 ppm 255 ppm	0 ppm
SE corner drilling pit Cleaned out drilling pit bottom. 10' depth 14' depth	123 ppm	680 ppm 453 ppm	0 ppm
SW corner drilling pit Cleaned out drilling pit bottom. 10' depth 18' depth	77 ppm	562 ppm 538 ppm	0 ppm

ALL RESULTS ARE PPM

Memo note; Soil samples taken for the 8' depth were from the bottom of the  
 cleaned out drilling pit area. Vertical delineation was the maximum with  
 equipment on location.

All testing was done at Yates Petroleum Corporation or on location.

Respectfully,

Mike Stubblefield  
 Environmental Regulatory Agent

2/21/08 DCD/Mike Bratcher gave Mike Stubblefield approval  
 re. backfill drilling pit.