

NM OIL CONSERVATION

ARTESIA DISTRICT Form C-147
Revised March 31, 2015

APR 15 2015

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

FAB1514141999
NAB1514142272

Recycling Facility Only

Type of action: Permit Registration Modification Closure Other (explain) _____

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: Concho Oil & Gas (For multiple operators attach page with information) OGRID #: 229137
 Address: 600 West Illinois Ave. Midland Texas 79701
 Facility or well name (include API# if associated with a well): Willow 17 State SWD#1, API# 30-015-41806
 OCD Permit Number: ZRF-101 (For new facilities the permit number will be assigned by the district office)
 U/L or Qtr/Qtr P Section 17 Township 25 S Range 28 E County: Eddy
 Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.

Recycling Facility:
 Location of recycling facility (if applicable): Latitude 32° 7' 29.09" N Longitude 104° 6' 4.61" W NAD: 1927 1983
 Proposed Use: Drilling* Completion* Production* Plugging*
 *The re-use of produced water may NOT be used until fresh water zones are cased and cemented
 Other, requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.
 Fluid Storage
 Above ground tanks Activity permitted under 19.15.17 NMAC explain type _____
 Activity permitted under 19.15.36 NMAC explain type: _____ Other explain _____
 Closure Report (required within 60 days of closure completion): Recycling Facility Closure Completion Date: _____

3.

Variiances:
 Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.
 Check the below box only if a variance is requested:
 Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.
 If a Variance is requested, it must be approved prior to implementation.

4.

Operator Application Certification:
 I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.
 Name (Print): T. Richard Crawford Title: Sr. Operations Engineer
 Signature: [Signature] Date: 4-14-15
 e-mail address: rcrawford@concho.com Telephone: 432-631-1011

5.

OCD Representative Signature: [Signature] Approval/Registration Date: 5/21/15
 Title: Environmental Specialist OCD Permit Number: ZRF-101
 OCD Conditions Permit C-148 to Artesia office monthly
 Additional OCD Conditions on Attachment

COG PW Frac Water Storage Tank (AST)



Specifications:

- Water Container Ring 600133 (600134 Individual Panel). Consisting of 15 individual panels made of G40.21-44W Steel plates, bolted together with 1"-8UNC Grade 8 bolts with 400ft-lbs tightening Torque.
- Flooring of each ring is a 10 oz./cubic yard, 96.4 mil thick Geotextile ASTM D5261 pad.
- Double liner system is Brawler 30 mil LLDPE, Extrusion laminated with scrim reinforcement. Puncture resistance 105 lbs/ft (ASTM D4833), Tensile strength 170 lbs/f MD to 168 lbs/ft TD (ASTM D7003), Max temp rating 180 deg. F, Weight 144 lbs/Msf.
- Each liner is fastened to the top edge of each tank with lip clamps on 10 foot spacing. A second ½" high tensile cable is strapped around the circumference of the tank on top of the liner skirt.
- Leak detection between the primary and secondary liner with a float notification and connection for pump out capability.
- Bird netting covering the surface of each tank with elevated supports set through the entire tank to prevent water to net contact.
- A forth 20,000 bbl tank is empty and held in reserve in the event emergency water transfer is needed, (with the exception of 2' of water to prevent wind disturbance).
- Each tank, piping connections and leak detection system is monitored hourly by on site personnel.