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

Form C-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Proposed Alternative Method Permit or Closure Plan Application

- +
Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
lease 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 avironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
i. Operator: Steward Energy II LLC OGRID #: 371682
Address: 2600 N Dallas Pkwy Suite 400 Frisco, TX 75034
Facility or well name: Saul Goodman Fee #2H
API Number: 30-025-45129 OCD Permit Number:
U/L or Qtr/Qtr A Section 2 Township 14S Range 38E County: Lea
Center of Proposed Design: Latitude 33.14055 Longitude 103.06249 NAD83
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
2.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ⊠ Drilling □ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management ☐ Low Chloride Drilling Fluid ☐ yes ☒ no
☑ Lined ☐ Unlined Liner type: Thickness 30 mil ☑ LLDPE ☐ HDPE ☐ PVC ☐ Other
☑ String-Reinforced 2- Slit Pits One Fresh & One Brine
Liner Seams: ☐ Welded ☐ Factory ☐ OtherSlit Pit Volume: 6400 bbl/pit Dimensions: 2 x (150' x 20' x 12' (deep))
3.
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume:bbl Type of fluid:
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thicknessmil
4.
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
5.
institution or church)
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7.	
i ::	
Signs: Subsection C of 19.15.17.11 NMAC	
☑ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☐ Signed in compliance with 19.15.16.8 NMAC	
8.	
Variances and Exceptions:	
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank: ☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accepta material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	able source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☑ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ⊠ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ⊠ No
Society; Topographic map	☐ Yes ⊠ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☒ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	□ Yes □ No
from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
	☐ Yes ☐ No
application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	☐ Yes ⊠ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.	
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit	NMAC 15.17.9 NMAC
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number:	

12.	
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the of	documents are
attached. ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
☐ Climatological Factors Assessment ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Quality Control/Quality Assurance Construction and Installation Plan ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
 Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan 	
☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan	
Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl	luid Management Pit
Proposed Closure Method: Waste Excavation and Removal	
 Waste Removal (Closed-loop systems only) ✓ On-site Closure Method (Only for temporary pits and closed-loop systems) 	
☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method	
14.	attacked to the
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	unacnea to the
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)	
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P	
19.15.17.10 NMAC for guidance.	ieuse rejer to
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ⊠ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste	☐ Yes ⊠ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes XNo □ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ⊠ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.	☐ Yes ⊠ No
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site Written confirmation or verification from the municipality. Written approval obtained from the municipality.	
Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 300 feet of a wetland.	☐ Yes ⊠ No
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ⊠ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ⊠ No
Within an unstable area.	
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☑ No
Within a 100-year floodplain.	☐ Yes ⊠ No
- FEMA map "On Site Observation and Landowner Experience"	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.13 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Sipposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believe	ef.
Name (Print): Wayne Price-Ingm Price LLC_ Title: Agent for SEII	
Signature: Date:	
e-mail address: wayneprice@q.com Telephone: 505-715-2809	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment)	
OCD Representative Signature: Approval Date: 10/2/	/18
Title: Environmental Bureau Chief OCD Permit Number:	
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:	
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-local If different from approved plan, please explain.	op systems only)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please into mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure)	dicate, by a check

22. Operator Closure Certification: I hereby certify that the information and attachments submitted with this closs belief. I also certify that the closure complies with all applicable closure requ	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

Attachment to C-144 for Steward Energy II LLC Saul Goodman Fee

August 21, 2018-resubmitted September 28, 2018 which incorporates OCD draft comments and recommendations.

Note: The below text is descriptive in nature, Steward Energy II will ensure that all aspects of the Pit Rule 19.15.17 NMAC are complied with concerning installing Slit Pits. Steward's personal and consultants has made a good faith effort to investigate and supply the actual facts, but cannot discount certain unintended omissions or errors.

Pit Design and Construction:

Steward Energy plans to use two separate "Slit Pits (i.e Trenches)", one for fresh water drilling and the other for brine/mud drilling. Each pit will be approximately 150 feet long by 20 feet wide and 12 feet deep. Each end will be sloped for access and the sidewalls will be shear. The pit contents will not be co-mingled.

Akome Liner Company located in Hobbs NM will be the installer. The excavation of pits will ensure that all virgin top and vadose zone soils (i.e. non-contaminated soils) are segregated and retained for future backfill. Additional soils may be utilized in and around the drill and production site. The end slopes (3:1 maximum) and bottom of the pits will be compacted to a minimum of 2000 lbs/ft². Sidewall stability will be ensured by measuring the wall compression and making sure it exceeds 1000 lbs/ft², along with site field judgments. Soils Classified as Class C (USCS) will have safety shoring if encountered. All stocked-piled soils and heavy loads will be maintained a minimum of 10 feet from the the pit sidewalls.

Geo-textile materials will be installed first and then a continuous liner with no field seams will be installed with appropriate slack on the surface and in the trench side walls, and anchor trenches to exceed the design required pursuant to 19.15.17.11 (F)(7) (24" deep x 24" wide) and compacted to exceed the rule requirements for temporary pits. (Anchor trench design in included in Fig. 1B)

(a field pocket penetrometer will be used to take compaction readings or the field thumb test will be used.)

The liner will be an extra heavy-duty 30 mil string reinforced LLDPE (spec sheet attached). The pump in-out areas will have a double liner (30 mil) installed for impingement to meet the requirements under 19.15.17.11 (F)(8) and 19.15.17.12 (A)(6).

To meet the requirements of 19.15.17.12.A.6, piping in and out of the pit will be supported by a header system where the discharge and suction piping will be 6" from the liner bottom and in the double liner area.

Attached hereto is a typical rig site layout and sketch of the cross-sections. (See Fig 1&1A) A berm will be installed to ensure no run-on or run-off.

Pursuant to the current rule 19.15.17 requirements concerning side slopes, Steward is requesting a variance for the vertical sidewalls of the Slit Pits. To ensure equal or better protection requirement, we have chosen to use a liner with 50% more thickness than is required. In addition, we plan on ensuring that slack liner materials are installed to prevent undue tensional stresses. Please find attached the liner specification sheet that is planned on being used for OCD review.

Operating/Maintenance Procedures:

The rig water/mud pumps will pump fluids from the pits and discharge down hole with fluid drill cuttings returning to the opposite end of the pits. Exit and entry points will ensure protection of the liner, as these areas will have a double liner installed.

The pit fluid levels shall maintain a minimum of 2 feet freeboard at all times. While not expected, If any oils collect on the pits, they will be skimmed off and recycled within 48 hours. Appropriate equipment will be on hand to accomplish this feat. Flags will be used to deter migratory birds. A daily inspection record will be maintained and monitored for any damage to the liner, any breach of fluids, any skim oils, freeboard measurements, pit fluid levels, and any other pertinent issues, especially unexpected loss or gain.

Pursuant to 19.15.17.12 (A)(5) any release or damage to liner shall be reported to OCD pursuant to the 19.15.29 (Release rule). The pit system shall be shut down immediately and not returned to operation until OCD approves repair of the liner.

The site will be fenced to prevent un-authorized entry and protection of livestock and wildlife, in addition, per OCD Draft response recommendation, a safety ladder will be installed in the pits for emergency egress.

Hydro-Geologic Data:

The primary aquifer in the vicinity of the well and pit sites is the High Plains Aquifer, which is generally an unconsolidated and unconfined aquifer composed of clay, silt, sand, and gravel. The sediments have been cemented locally near the land surface forming a caliche. Top soils in the area are typical sandy loam.

Based on well records in the area and a map of the bedrock geology underlying the high plains aquifer by Weeks and Gutentag (1981), it appears that there are cretaceous-age geological formations that lie between the High Plains Aquifer and Triassic-age red beds in some locations. It is reported that the lower Cretaceous rocks are generally composed of sandstones, shales, and limestones that have a lower permeability and storage relative to the High Plains Aquifer.

Price LLC, (Steward's Consultant) has previous experience in this area and would like to point out that generally the Lower Cretaceous aquifer is confined and when comingled with the upper aquifer, water levels can rise indicating a false shallow depth to groundwater in the area. The groundwater gradient for both formations dips to the southeast into Texas. (Ref Ash 1963 Groundwater Contours of Northern Lea County-USGS see Attached map Fig 2)

The Saul Goodman Fee well will be located in the far northeastern part of Section 2- TS 14S-R38E. The closest active known water well in New Mexico is a crop-circle irrigation well located approximately 1800 feet to the southeast of the site. (See attached aerial photo Fig 3.)

This well has been identified from the NM Office of the State Engineer as L559-POD6. Included herein is a copy of the well log record, which indicates the well was drilled to depth of 250 feet and the static water level was noted at 110 feet BGL. (See Fig 4)

Steward Energy's field personal confirmed the depth to water from the current landowner to be approximately 110 feet BGL. In addition, Steward's field personal shot water levels in other wells located to the southeast and obtained field measurements in Section 10; Well #1 water level at 96.4' Lat 33* 07' 21.2088" Long 103* 04; 49.7604 and Well #2 water Level at 90.3' Lat 33* 06' 55.0620" Long 103* 04'49.9008.

In addition, when OCD reviewed the draft C-144 permit, it noted the following findings: E-mail dated 9-24-18 JGriswold OCD to WPrice-Steward Agent.

"On Page 2, in Box 9 for General Siting, you checked the "No" box to the question "Groundwater is less than 50 feet below the bottom..." Stated depth of pits is 12 feet below surface, that would place the depth to groundwater limitation at no deeper than 62 feet. Your attachment Figures 3, and 4 are about the water supply well in the center of the crop irrigation circle and comes from the Office of the State Engineer (L 00559 POD6). The well was initially drilled in 2008 to a total depth of 185 feet and a depth to water of 125 feet. The well was re-entered to deepen via cable tool during 2011 to a total depth of 253 ft with a static level of 110 ft. Perforations in the well are from 133 to 253 ft.

There is another well (OSE L 11623) in Section 2 that was drilled in 2004 with a total depth of 150 ft and a depth to water of 70 ft. Perforations are from 110 to 150 ft. The driller's log notes the shallowest water bearing unit as a fine sand beginning at 80 ft.

_

There is a third well in the Section (OSE L 12263 POD1) drilled in 2008 with a total depth of 170 ft. It says the depth to water is 170 feet, but I think this is in error. Perforations are from 105 to 170 ft. The log indicates a water bearing sand at a depth of 105 ft.

The two other wells you speak of are between 1.5 to 2 miles to the southwest (not southeast) in Section 10 of the same township and have water levels of 96 and 90 feet and appear to be at higher surface elevation (~20 ft).

In all cases, depth to groundwater is greater than 62 feet, so you appear good.

Siting Compliance Demonstration:

Steward's field personal has reviewed the entire area and looked at Google aerial views to demonstrate there are no free flowing streams, playa lakes, wetlands, buildings in proximately, water wells within 300 ft., no surface-subsurface mines, unstable areas, not in a town or sub-division, or in an area that would flood.

OCD Draft Comments agree with this assessment.

Closure Plan:

Once the drilling of the well is complete, the pits will be decanted of all free fluids and disposed of at an approved facility or recycled into Steward's SWD disposal system located in Texas, all within the time constraints of the rule. The drill cuttings will be allowed to dry for 30 days and tested to determine if they will pass a paint filter test.

The solid contents will then be sampled pursuant to EPA SW-846 random stratified composite protocols for pits and tested for the constituents found in Table II (51-100 ft) of 19.15.17.

If the sample results show the levels exceed the levels allowed in Table II then Steward will mix clean soil with the contents at a ratio not to exceed a 3:1 until the Table II constituents are met. If cannot be met, then Steward will dispose of the pit contents at the Gandy-Marley landfill NMOCD permit #NM1-19.

All notifications will be made per the Rule (19.15.17) and landowner notifications at the timing required in the rule.

Once the pit contents have been stabilized and meet the closure standards, including the paint filter test, then the pit liner shall be folder over the left-in-place solids, and then clean backfill soil shall be placed and compacted over the drill cuttings. A 30 mil SR-LLDPE liner will be used to cover the pits in a convex manner so drainage will be directed away from the pits. The overlay shall be a 3-foot minimum. OCD will be notified and invited to inspect and/or witness sampling, or any aspect of the job, before covering or final backfilling.

Then a minimum of four feet of virgin top soil (i.e. "non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg..." as required in 19.15.17 and 19.15.29) shall be placed over the top liner and contoured to the existing surface. (See Fig 1A for a graphic representation of closure with recommended engineering specifications).

Once closed, Steward will submit a final C-144 closure report items 19-22, with GPS readings, plats, required markers, closure progress photos, deed verification, landowner and OCD notifications, confirmation lab samples, details on soil covers, and any pertinent information that OCD may require for approval.

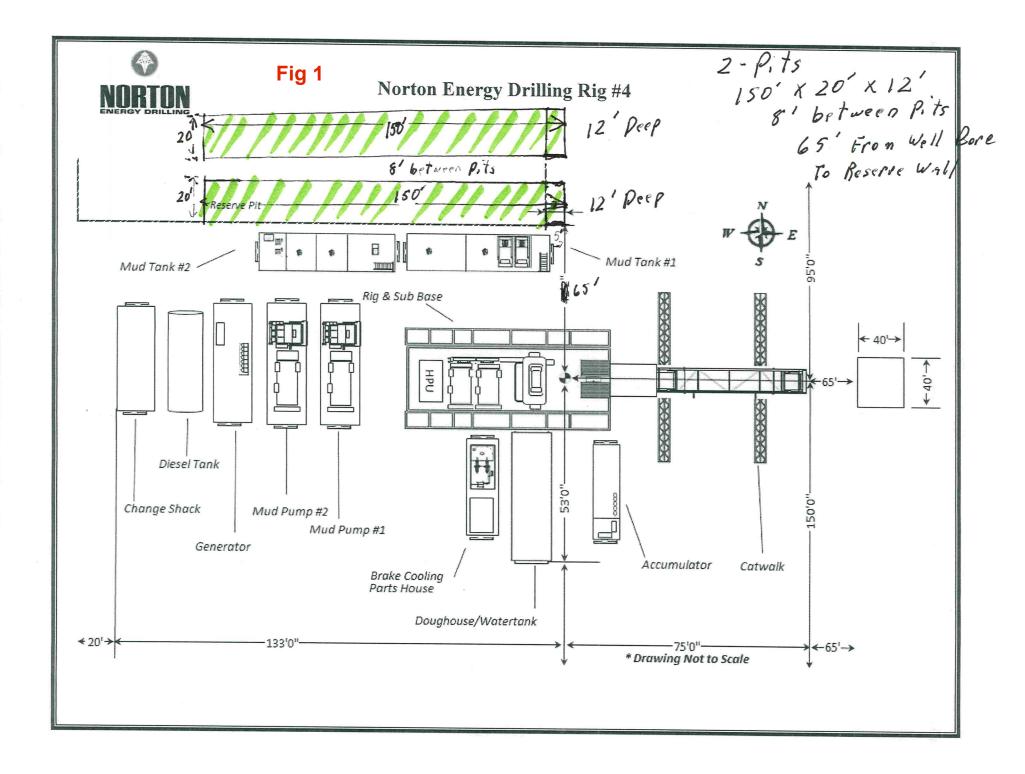
Final Site Reclamation and Re-Vegetation:

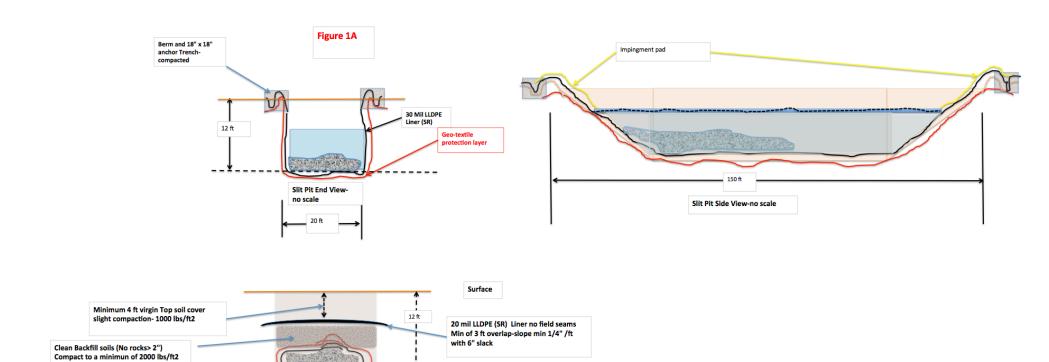
Steward Energy II will perform final site closure requirements as described above when the drilling and completion operations are completed within allowed rule time frames. The final reclamation and re-vegetation, pursuant to the rule 19.15.17.13.H (5), will be implemented when the well site area is no longer in use, i.e. right after P&A of the well.

OCD made the following observation and commented as follows"

"For instance, Section (H)(1)(c) says even a production pad still in use "shall be compacted, covered, paved, or otherwise stabilized and maintained in a way as to minimize dust and erosion to the extent practicable." If the surface contouring is not properly established and maintained, you WILL get ponding on top of the buried pit simply due to subsidence. "

Steward Energy hereby acknowledges the requirements and will perform actions as required.





Bottom

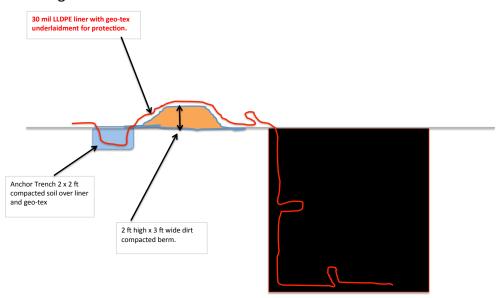


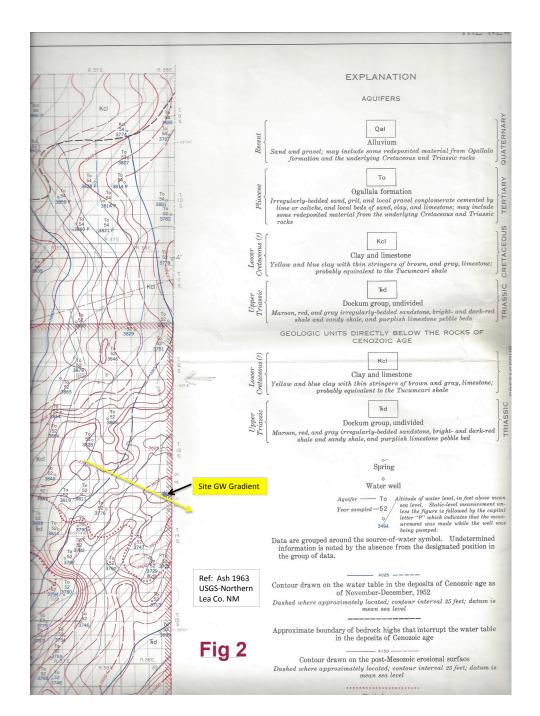
Anchor Trench

Run-on Protection Berm

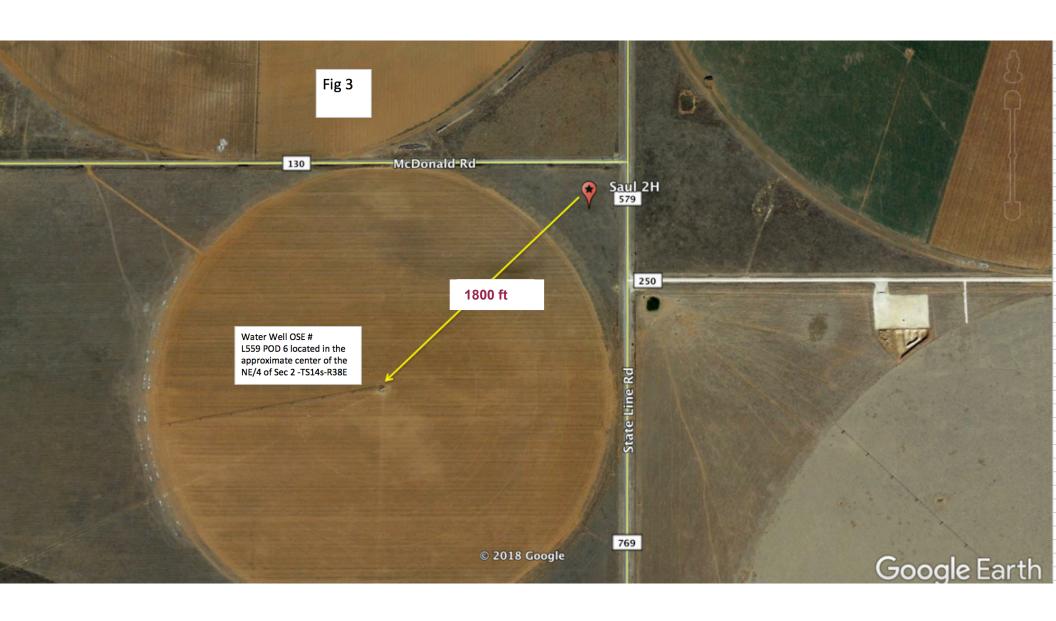
Slit Pit

Fig 1B





f



STATE ENGINEER OFFICE

WELL RECORD

本	561800
	PODG

veil //at	han lo	Brow	1610			Owner's W	EII NOZ-S	59 (T)
ost Office Add	1855 <u>-373</u>	79	401	· V			The same of the sa	Commission of the second
1 d you consider the	1-55	9 (7)					
							-06	
							394	N.M.P.K.
Vo	_ of Map No		of	the	1509	345	<u></u>	raera drillinasteriora (esc. "ala, e ro
rision, recorded	in C	2	of	theCour	ity.	09 01	8	
	feet, Y=		feet	, N.M.	Coordinate S	/stern		Zone in Grant
Contractor P	URAW	DBIL	LING	,		License No. WI	7-160	7
								and and the second
nd surface or _			a!	well is		_ ft. Total depth of	well Z5	3
lis 🗶 si	hellow 🗆 ar	tesian.		De	pth to water	upon completion of	well //	0 .
			CIDAL III				wife manuscrapes are en	TORREST AND
in Feet ·	Thickness						Petimete	A Visid
То	in Feet		Description	of Wa	ter-Bearing F	ormation	(gallons pe	
185	10		San	1		,	50	
225	15	1	IMC	S	lone		50	
250	25	C		F		1		•
			~~~		Ora			manuscraphy and an angelia, a
1	1							
D	T. m.			ORD O	FCASING			
per foot	per in.	-	-	m	Length (feet)	Type of Shoe	Annual and district the profit	forations
28		0	1	-	253		management of the state of	253
	<del>                                     </del>		- 23	-			117	23.3
	1 1			- 1				
		April 1 miles and	-				-	
The second secon	Sectio	n 4. RECO	RD OF MI	JDDIN	G AND CEM	ENTING		
in Feet	Hole	Sac	ks	Cub	G AND CEM		of Black	399
-	Section Hole Diameter	530	ks	Cub			of Placement	2 02.4 Em
-	Hole	Sac	ks	Cub	c Feet			(3)
-	Hole	Sac	ks	Cub	c Feet			25
-	Hole	Sac	ks	Cub	c Feet			NE BOOKER
-	Hole	Sac	ks	Cub	c Feet			NAME OF THE PARTY
To	Hole Diameter	Ssc of M	ks	Cubi of C	c Feet ement			NE BOOKER
To	Hole Diameter	Ssc of M	ks ud	Cubi of C	c Feet ement			NAME OF THE PARTY
To	Hole Diameter	Ssc of M	ks ud	Cubi of C	c Feet ement	Method  Depth in F	681	NE ENCORE EN TETRE
ractor	Hole Diameter	Ssc of M	ks ud	Cubi of C	c Feet ement	Method  Depth in F	1	NAME OF THE PARTY
ractor	Hole Diameter	Ssc of M	ks ud	Cubi of C	RECORD	Method  Depth in F	681	Cubic Feet
ractor	Hote Diameter	Ssc of M	ke jud	Cubi of C	c Feet ement	Method  Depth in F	681	Cubic Feet
factorodoved by:	Hote Diameter	Section Sectio	ke ind	Cubing C	RECORD  No.  1 2 3 4	Depth in F	681	Cubic Feet
ractor	Hote Diameter	Section Sectio	ke lud on 5. PLU(	Cubin of C	RECORD  No.  1 2 3 4	Depth in F	eef Boltom	Cubic Feet of Cement
	under Permit No. 24 NE 1/4 No. 25 No.	under Permit No. 2-556  R. WE W W W  No. of Map No. of Block Xc. of Bl	under Permit No. 2-559 (7  R. WEW W W Sof Sec  No. of Block Xc.  rision, recorded in Ca  feet, Ya  Contractor PURAN DRIL  Box 1561 Se  Social Section 2. PRIN  in Feet Thickness in Feet  185 10  225 15  250 25  Section Pounds Threads Depth per foot per in. Top	under Permit No. 2-559 (T)  Ry NE y	No of Map No. of the Job of the Job of Block Xc. of the Job of	under Permit No. 2-559 (T)  Ry NE 4	under Permit No. 4559 (T)  and is located in the:  24 NE 4	under Permit No. 4 S 9 (T)  and is located in the:  Range 39E  No. of Map No. of Section 2 Township 145 Range 39E  No. of Block Yo. of the 33 08 345  Do. of Block Yo. of the 103 04 016  Section, recorded in Ca. County.  I feet, Y= feet, N.M. Coordinate System  Contractor PURGN DBILLING  License No. WP - 16 of the 10 of the 1

, vepth i	s Feet i	Thickness	The state of the s
From	Te	m Fee	Color and Topo of Meusse, Encountered
0	175		n Hole
175	185	Śar	
185	210		Line
210	225	Line	e Stone
225	250	San	di Gravel
250	253	Bed	Bed
للمحصوب ودوانين واداء الن			
management for talking a pale of the cost			
~	-	<u> </u>	
A part of the William Property and the P		·	
and the same of th	<u> </u>		
	1		
	-		
	-		
ر المراجع المر		-	
مسترسيسين والمدالية المستدينة والمستديدة		4	13
in order too	<del></del>		
- 4		-	

Section 7. REMARKS AND ADDITIONAL INFORMATION

e undersigned hereby certifies that, to the best of his knowledge and bullst, the lovegoing is a true and constitute of the above

Synth

U.S. Postal Service TIFIED MAIL® RECEIPT Certified Return Receipt # 0000 6421 August 20, 2018 19 Services & Fees (check box To: El Ray Salt Co. Return Receipt (hardcopy) Postmark Return Receipt (electronic) 2313 Broadway Here Certified Mail Restricted Delivery Lubbock, TX 79401 Adult Signature Required Adult Signature Restricted Delivery \$ 1.000 From: Steward Energy II LLC El Ray Salt Company Total P 2600 N Dallas Pkwy Suite 400 2313 Broadway 7017 Frisco, Tx 75034 Lubbock, TX 79401 Street i Reference: Saul Goodman 2H Well City, St. NE/4 NE/4 Section 2-Ts 14S-R38E

Dear Mr. Lowe

Please note Steward Energy II is planning on drilling a well located on your private land at the location referenced above. The planned drilling of this well will commence in October of 2018 with an anticipated spud date of October 15, 2018.

In order to improve and have better control of the well, Steward is planning on using what's called Slit Pits (i.e. trenches). These trenches will be 150 ft x 20 ft x 12 ft (deep). There will be one for fresh water drilling and one for drilling with brine-laden mud. They will not be co-mingled.

The trenches will be lined with a protection fabric and 30 mil string reinforced polyethylene heavy duty liner. The closure of the pits will consist of making sure the contents of the pit meets OCD closure standards and the liner will be folded over the pit contents and then another liner will be placed over the pits. The rule requires we provide a minimum of four feet virgin soils over the entire pit to ensure that you may farm the area if every anticipated. Actual re-seeding of the site will not occur until the well site is deemed closed.

Per the New Mexico State rules administered by the Oil Conservation Division (19.15.17) requires Steward to make notification to the landowner. In addition, Steward is required to provide you and the OCD a prenotification of a minimum - 6 72-1notify you again when this COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature In addition, the State requi ■ Complete items 1, 2, and 3. ☐ Agent pit burier and place an on Print your name and address on the reverse ☐ Addressee so that we can return the card to you.

If you have any questions Maxey Brown District Sup

Sincerely,

Taylor Warren **Steward Energy** Land Manager

If YES, enter delivery address I	below: 🗖 No
3. Service Type  Adult Signature  Adult Signature Restricted Delivery  Certified Mail®  Certified Mail Restricted Delivery  Collect on Delivery	☐ Priority Mail Express®☐ ☐ Registered Mail™☐ ☐ Registered Mail Restricted ☐ Delivery☐☐ Return Receipt for ☐ Merchandise☐☐ Signature Confirmation™
7624 stricted Delivery	Signature Confirmation Restricted Delivery  Domestic Return Receipt
	☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery ☐ Collect on Delivery ☐ Stricted Delivery ☐ Cover \$5000

PS Form 3800, April 2015 PSN 7530-02-000-9047

PS Form 3811, July 2015 PSN 7530-02-000-9053

DRAFT Hand Delivered: Certified Return Receipt #
August 20, 2018
To:
From: Steward Energy II LLC 2600 N Dallas Pkwy Suite 400 Frisco, Tx 75034
Reference: Saul Goodman 2H Well NE/4 NE/4 Section 2-Ts 14S-R38E
Dear Mr
Please note Steward Energy II is planning on drilling a well located on your private land at the location referenced above. The planned drilling of this well will commence in October of 2018 with an anticipated spud date of October 15, 2018.
In order to improve and have better control of the well, Steward is planning on using what's called Slit Pits (i.e. trenches). These trenches will be $150$ ft x $20$ ft x $12$ ft (deep). There will be one for fresh water drilling and one for drilling with brine-laden mud. They will not be co-mingled.
The trenches will be lined with a protection fabric and 30 mil string reinforced polyethylene heavy duty liner. The closure of the pits will consist of making sure the contents of the pit meets OCD closure standards and the liner will be folded over the pit contents and then another liner will be placed over the pits. The rule requires we provide a minimum of four feet virgin soils over the entire pit to ensure that you may farm the area if every anticipated. Actual re-seeding of the site will not occur until the well site is deemed closed.
Per the New Mexico State rules administered by the Oil Conservation Division (19.15.17) requires Steward to make notification to the landowner. In addition, Steward is required to provide you and the OCD a prenotification of a minimum of 72 hours, but not more than a week, before the pit closure begins. So we will notify you again when this occurs.
In addition, the State requires that we file a deed with the county clerk specifying the exact location of the pit burier and place an on-site marker and file a plat with OCD.
If you have any questions please do not hesitate to call me at or feel free to contact the Mr. Maxey Brown District Supervisor, Hobbs OCD office at 575-393-6161 x102.
Sincerely,

Taylor Warren Steward Energy Landman

SCRIM REINFORCED POLYETHYLENE

#### PRODUCT DESCRIPTION

DURA SKRIM® J30BD is a linear-low-density polyethylene geomembrane with an encapsulated polyester scrim reinforcement. In addition to excellent dimensional stability the tri-directional reinforcement provides exceptional tear and puncture resistance.

DURA SKRIM® J30BD is a versatile black/gray geomembrane. The gray outer layer minimizes thermal expansion while providing a cooler working surface. The black layer includes carbon black and thermal stabilizers to assure exposed longevity. Contrasting colors also provide a vital function for ease of damage detection during installation.

#### **PRODUCT USE**

DURA♦SKRIM® J30BD is used in applications that demand high tear strength and resistance to thermal expansion.

DURA SKRIM® J30BD is manufactured from a chemicallyresistant, linear-low-density polyethylene with excellent environmental stress crack resistance.

#### SIZE & PACKAGING

DURA SKRIM® J30BD is available in a variety of widths and lengths to meet the project requirements. Large diameter mill rolls are available to assure an efficient seaming process. Factory welded panels are produced in a quality controlled environment and are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



#### **PRODUCT**

PART #

#### **APPLICATIONS**

Waste Lagoon Liners

Floating Covers

Daily Landfill Covers

Modular Tank Liners

Tunnel Liners

Remediation Liners

Earthen Liners

Interim Landfill Covers

Remediation Covers

**Erosion Control Covers** 

Canal Liners

Disposal Pit Liners

Water Containment Ponds

Heap Leach Liners



		DURA♦SKRIM® J30BD			
		TYPICAL			
PROPERTIES	TEST METHOD	IMPERIAL	METRIC		
Appearance		Black,	/Gray		
THICKNESS, NOMINAL	ASTM D5994	30 Mil	0.76 mm		
WEIGHT	ASTM D751	125 lbs/MSF	610 g/m²		
Construction		Extrusion laminated with scrim reinforcement			
² Grab Tensile Strength	ASTM D7004	150 lbs	667 N		
² Grab Tensile Elongation	ASTM D7004	50 %	50 %		
³ TONGUE TEAR	ASTM D5884	50 lbs	222 N		
CBR Puncture Resistance	ASTM D6241	375 lbs	1668 N		
WVTR	ASTM E96	0.011 grains/ft²•hr	0.184 g/m²•day		
Perm Rating	ASTM E96	0.027 Perms	0.018 g/m²•day•mm Hg		
Hydraulic Conductivity	ASTM E96	2.2x10 ⁻¹⁰ cm/sec			
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C		

² Tests are an average of primary reinforcement directions.

MINIMUM STATIC USE TEMPERATURE



DURA SKRIM® J30BD is a linear-low-density polyethylene geomembrane with an encapsulated polyester scrim reinforcement. In addition to excellent dimensional stability the tri-directional reinforcement provides exceptional tear and puncture resistance.

-70° F

DIIDA A CVDIM® 120PC

DURA♦SKRIM® J30BD is a versatile black/gray geomembrane. The gray outer layer minimizes thermal expansion while providing a cooler working surface. The black layer includes carbon black and thermal stabilizers to assure exposed longevity. Contrasting colors also provide a vital function for ease of damage detection during installation.



Scan QR Code to

download technical data sheets. Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MÉRCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com

#### RAVEN ENGINEERED FILMS



-57° C

³ Tests are an average of machine and transverse directions.



State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re. Non-Employee Agent Listing

This letter is to inform the New Mexico Oil Conservation Division of our agreement with Price LLC, Wayne Price, a non-employee of Steward Energy II, LLC, to represent our organization regarding any and all matters pertaining to the State of New Mexico. Price LLC has the authority to sign documents for the OCD representing Steward Energy, LLC.

Contact Information:

Price LLC
Wayne Price
312 Encantado Ridge Ct NE
Rio Rancho, NM 87124
505-715-2809
wayneprice@q.com

Thank you,

William McMann

Executive Vice President – Engineering

Line Wheten.

214-297-0500