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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Farmington Field
Bureau of Land Management

5. Lease Serial No.
SF-080384B
6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Merrion Oil & Gas Corporation

3a. Address
610 Reilly Ave Farmington, NM 87401

3b. Phone No. (include area code)
505-486-1171

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980 FSL & 660 FWL S3 T26N, R12W

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Hickman A 2

9. API Well No.
30-045-06037

10. Field and Pool or Exploratory Area

11. Country or Parish, State
San Juan County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The location was inspected on 3/31/2016 please see the attached SUPO of work to be done.

OIL CONS. DIV DIST. 3
AUG 08 2016

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Philana Thompson

Title Regulatory Compliance Specialist

Signature

Date 07/28/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

MB
7/29/16

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD

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P&A Reclamation Plan

PURPOSE AND SCOPE

The purpose of this Reclamation Plan is to ensure final reclamation of the **Hickman A 2** well pad site and associated access road based on the BLM/Merrion Oil & Gas on-site inspection conducted on **3/31/16** and in accordance with Onshore Order #1 and the FFO Bare Soil Reclamation Procedures.

PROPOSED RECLAMATION PLAN

Merrion Oil & Gas Corporation will comply with the requirements in accordance with the approved Sundry Notice associated with this submittal.

- Contact BLM 48 hours prior to commencing earthwork.
- Reclamation to be completed within 1 year of plugging date. (N/A, plugged 7/13/94)
- Remove all underground production piping. (Completed at the time of original reclamation)
- Remove Power poles, rectifier and radio equipment. (Completed at the time of original reclamation)
- Remove all rig anchors on the location.
- Strip available topsoil from areas that will be disturbed during the reclamation of this well site.
- Remove all gravel on well pad surface. Gravel may be used as fill material at the base of the cut slope to re-establish the natural topography.
- Use fill material on the location to reconstruct natural topography. If enough fill material is available, excess material will be used to build up the access road AFTER ripping the road base to eliminate surface compaction hard pan.

 **Per Farmington BLM Environmental Protections Specialist, and inspection conducted on 3/31/16**

- **Remove contaminated soil- sample before filling in**
- **Disc & Re- Seed**

NOTE: NO disturbance will occur outside the areas currently disturbed by the well location access road boundaries.

- After location has been re-contoured, rip, disk and seed the location with a disk type seed drill.
- Install a sign on seeded areas, i.e. Seeded Area -- Do Not Disturb.

Waste Material Handling and Disposal

All surface equipment and trash, if any, will be removed from the location and disposed of at an approved waste disposal facility.

If contaminated soil is discovered during the reclamation of this well location, Merrion Oil & Gas Corporation will follow NTL 93-1 "Guidelines for Unlined Surface Impoundments Closure" for testing requirements and allowable threshold limits.

Surface Reconstruction and Stabilization

The long term objective of final reclamation is to set the course for eventual ecosystem restoration including the restoration of natural vegetation. Merrion Oil & Gas Corporation will avoid disturbance to the mature vegetation that has become well established on the pad perimeter to the extent practicable, and will focus reclamation efforts toward de-compaction, removing sharp, angular features to more closely approximate the natural contours, re-establishing natural drainage patterns, and re-vegetating the abandoned well pad and associated access road.

Well Pad Reclamation

(Note: some steps may occur in a different sequence than listed below or may occur simultaneously as the case may be):

1. The following activities would take place before commencing with any dirt work to restore the pad surface:

- The BLM Authorized Officer will be notified at least 48 hours prior to construction;
- Pre-construction conditions will be documented and pictures taken from the four cardinal directions for future reference;
- The P&A marker will remain as is. All pertinent well information is permanently imprinted onto the marker for future reference.
- Temporary and/or permanent stormwater and erosion control BMPs will be employed at appropriate locations around the pad as dictated by local drainage patterns and expected areas of disturbance and slopes AND across the access road. BMP selection will be determined by local factors and will be a combination of sediment and erosions controls that are deemed effective and low maintenance. Straw wattles, diversion ditches, mulch, soil blankets, and/or other suitable BMPs may be used in various combinations, as appropriate, during and after construction activities;
- Remove all gravel on well pad surface. Gravel may be used at the base of the cut slope underneath the fill material to re-establish the natural topography; except for red rock.
- Use fill material to reconstruct natural topography.
- If enough fill material is available, excess material will be used to build up the access road (which is lower in depth than the natural grade due to compaction and erosion) AFTER ripping the road base to eliminate surface compaction hard pan;
- Those areas where healthy, mature, and weed-free vegetation has established along the pad perimeter will remain undisturbed to the extent possible;
- Natural drainage patterns will be restored, as practical, as near as possible to pre-disturbance conditions;
- The pad surface will be ripped by Bulldozer or Grader to reduce compaction and to establish a suitable root zone in preparation for topsoil replacement;
- Topsoil will be redistributed across the pad surface and disked to prepare the soil for seeding;
- After location has been re-contoured, rip, disk and seed the location and access road with a disk type seed drill;
- All disturbed areas will be seeded in accordance with the FFO Bare Soil Reclamation Procedures.

Access Road Reclamation

Upon completion of all well pad reclamation activities, the associated access road will be reclaimed using much the same methods as described above. The road will be ripped and scarified to reduce compaction, and any sharp or angular cuts or fills would be restored as near as possible to pre-disturbance contours. Natural drainage patterns will be restored, to the extent practical, as near as possible to pre-disturbance conditions. **NO disturbance will occur outside the areas currently disturbed by the access road boundaries.**

Established vegetation along the roadsides will remain undisturbed where possible to encourage native plant growth onto the new disturbance and to maintain erosion and sediment control. Straw wattles and/or diversion ditches will be placed at appropriate locations along the road as needed to prevent sediment transport to local drainages. Other suitable BMPs may be used in various combinations, as appropriate, during and after construction activities.

All disturbed areas will be re-seeded in accordance with BLM FFO Bare Soil Reclamation Procedures.

To discourage future use of the road, a temporary fence consisting of woven wire fence at and across the access road leading to the well site at the intersection of the main road and take off point(s) to discourage access on rehabilitated access road and will serve as a barricade to discourage access to the newly reclaimed road and will be left in place until the road & well pad have been stabilized.

A sign will be installed on the fence, i.e. "Seeded Area -- Do Not Disturb" or equivalent.

Re-establishing Surface Hydrology

Natural drainage patterns will be restored as near as possible to pre-construction conditions, except where restoring the natural drainage will cause excessive disturbance and disrupt the natural rehabilitation processes that have already established. In those areas, additional means for ensuring proper drainage, such as water bars or diversion ditches, may be employed.

Eroded areas will be filled in using fill material from the well location and Best Management Practices (BMP's) for Storm water pollution prevention such as silt traps, excelsior mats, wattles/sediment control logs and straw distributed on the surface and crimped or harrowed into the soil after drill seeding.

Given that the well pad will effectively be inaccessible following road reclamation and because the only potential pollution source will be runoff sediment; the temporary stormwater BMPs will be removed upon completion of construction activities. Drainage, sediment, and erosion controls will be managed through vegetative practices and/or biodegradable materials (i.e. soil blankets, straw wattles, crimped straw, mulch, brush and woody debris, pocking, etc..).

All drainage, sediment, and erosion controls will be implemented in accordance with Merriam Oil & Gas standard Stormwater Management Plan.

Site Preparation, Soil Management and Handling

Prior to seeding, all disturbed areas will be left with a rough surface to facilitate moisture and seed retention, and vegetative slash/brush will be placed at expected discharge areas to minimize sediment transport. The topsoil in the area is generally deep and no soil amendments are expected or proposed.

Final Reclamation Inspection/Monitoring - Environmental

Case #:		Multi-Well Location Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Well Name:	
Lease #:			Well #: HICKMAN A2	
Operator: MERRION Present: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			API #:	
			Well Status:	
			Plugged Date:	
Twn:	Rng:	County: SAN JUAN		Facility ID:
Sec:	Qtr:	State: NM		Facility Name:
N/S Foot:	E/W Foot:	Lat:	Long:	H2S: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Surface Owner:				Inspection Activity: ES/ SA
Present: Yes <input type="checkbox"/> No <input type="checkbox"/>				
Office Time: .5		Travel Time: .5	Inspection Time: .25	Trips: 1
Inspection Open Date: 3/31/2016		Inspection Close Date: 4/11/2016		Inspector: Bullock

Inspected: Well/Facility Location ☒; Road ☐; Pipeline ☐; Power Line ☐; Other ☐

Inspection Items	Met	Not Met	N/A	Order/ INC
1. All Facilities Removed for Final Reclamation (Including cement, surface and shallow pipes, risers, markers, signs, fences, culverts, gates, cattleguards, trash, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
2. Surfacing Material Removed from Location and Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3. Free of Oil or Salt-Contaminated Soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
4. Compacted Areas Ripped/Disked (Locations, Roads, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
5. All Original Disturbance Areas Recontoured Back to Original Contour	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
6. Adequate Topsoil Replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
7. Seeded Drill Seeded <input type="checkbox"/> Broadcast Seeded <input type="checkbox"/> Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
8. Adequate Surface Roughness	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
9. Erosion and Runoff Controlled Methods	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
10. Mulch Type	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
11. Reclamation Fence: Follow-up needed to ensure fence removal? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
12. Dry-hole Marker: Surface Monumented <input checked="" type="checkbox"/> Subsurface Monumented (preferred) <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
13. Free of Noxious or Invasive Weeds Treatment Needed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Species Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
14. Revegetation Success & Desired Species Density/Cover Measurement and % Species Types and % Reference Site Density/Cover Measurement and % Reference Site Species Types and % Transect Sheets Completed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
15. Overall Site Stability (Wind & Water Erosion, Subsidence, Vegetation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
16. Split Estate: Surface Owner Consultation/Concurrence	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
17. Other: (Describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Summary: All Reclamation Work According to the Approved Reclamation Plan & BLM Policy and Successful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Final Reclamation Approvable - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				

Comments, Inspection/Monitoring Results, and Additional Actions Necessary:

- DISC AND RESEED

- SOIL SAMPLE - CONTAMINATION?

Original Disturbance Acres/Well:
(including location, roads, and pipelines):

Meets Final Reclamation Standards Acres/Well:

Follow-up Requirements:
Choose an item.

Correct problem by: Click here
to enter a date.

Next Inspection date: Click
here to enter a date.

Date AFMSS updated: Click
here to enter a date.

Order/INC No.

The Privacy Act of 1974 and the regulations in 43 CFR 2.48(d) require that you be furnished the following information.

Authority: 30 U.S.C. 181 et seq.; 43 CFR 3160; Onshore Oil and Gas Order No. 1.

Principal purpose: The BLM uses this information to document and track compliance with the terms of a Federal permit and to contact permittees and affected parties.

Routine uses: (1) Document and track compliance with permit conditions. (2) Gather contact information for permittees and parties affected by the permit, for example, split estate surface owners. (3) Track monitoring data. (4) Information from the record and/or the record will be transferred to appropriate Federal, State, or local agencies when relevant to civil, criminal, or regulatory investigations or prosecutions.

Effect of not providing information: Disclosure of the information is voluntary; however, failure to provide the requested information may impede individual participation.

Final Reclamation ES – Photo Log

PHOTO NUMBER	PHOTO INFORMATION
1.	DHM
2.	DHM
3.	DHM
4.	DHM
5.	CONTAMINATION
6.	CONTAMINATION
7.	CONTAMINATION
8.	VEGETATION

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8

