Form C-144 Revised August 1, 2011

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

20	46

Pit, Closed-Loop System, Below-Grade	Tank, or					
Proposed Alternative Method Permit or Closure						
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method						
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop syst	tem. below-grade tank or alternative request					
Please be advised that approval of this request does not relieve the operator of liability should operations result environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable g	in pollution of surface water, ground water or the					
1. Operator: Elm Ridge Exploration Company, LLC	OGRID #: <u>149052</u>					
Address: PO Box 156, Bloomfield, NM 87413						
Facility or well name: South Carson Federal 23-14						
API Number: <u>30-045-34236</u> OCD Permit Number: <u>2046</u>						
U/L or Qtr/Qtr N Section 23 Township 25 N Range 12 W County: San Juan						
Center of Proposed Design: Latitude 36.3816 Longitude -108.9986 NAD: ☐1927 ☒ 1983						
Surface Owner: Federal State Tribal Trust or Indian Allotment						
☐ Pit: Subsection F or G of 19.15.17.11 NMAC	DOID THE GOVE					
Temporary: 🛛 Drilling 🔲 Workover	RCVD JUN 28'12 OIL CONS, DIV.					
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A	DIST. 3					
☑ Lined ☐ Unlined Liner type: Thickness 20 mil ☑ LLDPE ☐ HDPE ☐ PVC ☐ Other	viot, e					
✓ String-Reinforced						
Liner Seams: Welded A Factory Other Volume: 9,939 bbl Dir	manaiama: I 160' n W 40' n D 10'					
Lines Seams. Westeen A Pactory Other Volume: 9,939 bit Dir	nensions: L 100 x w 40 x D 10					
3. Closed-loop System: Subsection H of 19.15.17.11 NMAC						
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities where the control of the	nich require prior approval of a permit or notice of					
intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other						
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC	7 Other					
Liner Seams: Welded Factory Other						
Line Seams: Weided Pactory Outer						
The Property of the Control of the State of						
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 o						
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other						
Liner type: Thicknessmil						
5.						
Alternative Method:						
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environment	ental Bureau office for consideration of approval.					

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify					
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)					
8. 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					
Administrative Approvals 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: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for				
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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	priate district pproval.				
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No				
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 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA				
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits)	☐ Yes ☐ No ☐ NA				
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 					
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					
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site					
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division					
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 FEMA map	☐ Yes ☐ No				

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment 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 documents are 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 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMA and 19.15.17.13 NMAC	С
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
Closed-loop Systems Permit Application Attachment 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 documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 19.15.17.9 NMA and 19.15.17.13 NMAC	٩C
Previously Approved Design (attach copy of design) API Number:	
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use	
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)	
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 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	
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 Closed-loop System Alternative 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)	
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	

16. <u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only</u> : (19.15.17.13.D NMAC) Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.						
Disposal Facility Name: Disposal Facility Permit Number:						
sposal Facility Name: Disposal Facility Permit Number:						
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations? Yes (If yes, please provide the information below) No						
Required for impacted areas which will not be used for future service and operations: 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 I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC						
17. 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 may require administrative approval from the appropriate disticonsidered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justif demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	rict office or may be					
Ground water is less than 50 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 50 and 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 ☐ No ☐ 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						
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 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						
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site						
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 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ 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 FEMA map	☐ Yes ☐ No					
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, 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 5ubsection F of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC 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 Subsection F of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 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 belief.
Name (Print): Title:
Signature:Date:
e-mail address: Telephone:
OCD Approval: Permit Application (including closure plan) Representative Signature: Approval Date: Description of Description
21. Closure Report (required within 60 days of closure completion): Subsection K of 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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: May 30, 2012
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number;
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No
Required for impacted areas which will not be used for future service and operations:
Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
24. <u>Closure Report Attachment Checklist</u> : Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check
mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) - See attached: Closure Notices
Proof of Deed Notice (required for on-site closure) - See attached: Proof of Deed Notice
☑ Plot Plan (for on-site closures and temporary pits) - See attached: Plot Plan
 ☑ Confirmation Sampling Analytical Results (if applicable) – Not Applicable – Waste Material Sampling Results below OCD Closure Standards. ☑ Waste Material Sampling Analytical Results (required for on-site closure) – See attached: Envirotech Analytical Results
Disposal Facility Name and Permit Number -On-Site closure levels met standards - Waste material not removed.
Soil Backfilling and Cover Installation – See attached: Site Photography
 Re-vegetation Application Rates and Seeding Technique - Pursuant to the BLM MOU and Approved Closure Plan Site Reclamation (Photo Documentation) - See attached: Site Photography
On-site Closure Location: Latitude <u>36.3816</u> Longitude <u>-108.998606111111</u> NAD: □1927 ☑ 1983
25. Operator Closure Certification:/
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and
belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Ms. Amy Mackey Title: Administrative Manager
Signature: Date: Date:
e-mail address: amackeyl@elmridge.net Telephone: (505) 632-3476 Ext. 201

Elm Ridge Exploration

Lease Name: South Carson Federal 23-14

API Number: **30-045-34236** Closure Date: **May 30, 2012**

Detailed Closure Report

In accordance with Rule 19.15.17.13 NMAC, the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144.

Documentation includes:

- Details on capping and covering, where applicable (see report)
- Plot Plan (Pit Diagram) (Included as an attachment)
- Inspection Reports (Included as an attachment)
- Sampling Results (Included as an attachment)
- C-105 (Included as an attachment)
- Copy of Deed Notice will be filed with County Clerk (Not required on Federal, State, or Tribal land)

Drill Pit Closure Plan Checklist

1) An operator shall close a pit within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. An operator shall close any other permitted temporary pit within six months from the date that the operator releases the drilling or work over rig. The appropriate division district office may grant an extension not to exceed three months.

The rig release date was February 11, 2012. Closure activities were completed on May 30, 2012.

2) The operator of a temporary pit shall remove all liquids from the temporary pit prior to closure and dispose of the liquids in a division approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division office approves. All free standing liquids will be removed before backfilling the pit and disposed of at an Elm Ridge Disposal Well or at Basin Disposal's evaporation pond.

All recovered liquids were removed and disposed of at Carson WDW 242 prior to closure sampling on May 30, 2012.

3) On-Site Burial. The operator shall demonstrate and comply with the siting requirements in Subsection C of 19.15.17.10 NMAC and the closure requirements and standards of Subsection F of 19.15.17.13 NMAC if the proposed closure method of a temporary pit involves on-site burial. The preferred method of closure will be on-site, in place burial, assuming all criteria outlined in 19.15.17.13 (B) are met.

The pit was closed using on-site burial. The permit of the pit was approved by the OCD on November 5, 2008. The drill pit met all requirements, and was buried in-place prior to May 30, 2012. One (1) five (5) point composite sample was collected from the drill pit using a hand auger to depths between five (5) and ten (10) feet below ground surface.

4) An alternative interim marking system will be used to allow for safer and more efficient operations. A minimum 4" O.D. steel pipe will be set at least 36" deep at the center of the

Elm Ridge Exploration

Lease Name: South Carson Federal 23-14

API Number: **30-045-34236** Closure Date: **May 30, 2012**

pit. A threaded collar will be on the top of the pipe. A minimum 12" x 12" steel plate will be welded atop the threaded collar. The top of the plate will be flush with ground level. The standard location information listed will be welded onto the plate, plus a notation that it marks an on-site buried, temporary pit. Upon plugging the well, the plate will be removed, and the pit will be marked as described in 19.15.17.13.F(1)(d).

A division approved in-ground marker will be placed with a four (4) foot riser upon P&A of this well location. Information welded onto the marker will include: Elm Ridge Exploration, Lease #NM-25450, South Carson Fed 23-14, Unit Letter N, Sec. 23, Twn. 25N, Rng 12W, onsite burial and the date.

The operator shall report the exact location of the on-site burial on form C-105 filed with the division.

Please find attached the C-105 form that is filed with the division.

6) The operator shall file a deed notice identifying the exact location of the on-site burial with the county clerk in the county where the on-site burial occurs.

Due to the land being located on federal land, managed by the Bureau of Land Management (BLM), a deed notice was not applicable.

7) Elm Ridge Exploration will stabilize or solidify the contents to a bearing capacity sufficient to support the temporary pit's final cover. Elm Ridge Exploration will mix the contents with soil or other material at a mixing ratio of no greater than 3-1, soil or other material: to drill pit contents.

Contents of drill pit were mixed at a 3:1 ratio of soil to contents of drill pit prior to backfill.

8) A five (5)-point composite sample will be taken of the pit, and all samples will be tested per Subsection B of 19.15.17.13(B)(1)(b). If the criteria are not met, then all contents will be handled per subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13. (i.e. dig and haul). If a dig and haul is required, then the disposal facility will be Envirotech's Landfarm (NM01-0011).

Initial sampling on 5/30/12 returned results that were below the NMOCD regulatory standards for all constituents analyzed; see attached laboratory results.

Sample	Chloride	Benzene (8021)	BTEX (8021)	TPH (418.1)	DRO/GRO (8015)
NMOCD Regulatory Standards	1,000 mg/kg	0.2 mg/kg	50.0 mg/kg	2,500 mg/kg	500 mg/kg
Contents	960 mg/kg	0.0496 mg/kg	0.649 mg/kg	251.0 mg/kg	46.3 mg/kg

9) After completing solidification and testing, the pit area will be backfilled with compacted, waste free, earthen material. At least four (4) feet of cover will be achieved. The cover will include one (1) foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

Site was backfilled using one (1) foot of topsoil and approximately four (4) feet of non-waste containing earthen material used for cover.

Elm Ridge Exploration

Lease Name: South Carson Federal 23-14

API Number: **30-045-34236** Closure Date: **May 30, 2012**

10) Re-contouring of the location will match the fit, shape, line, form, and texture of the surrounding area. Re-shaping will control drainage and prevent ponds and erosion. Natural drainages will be unimpeded. Water bars and/or silt traps will be placed where needed to prevent erosion on a large scale. Final re-contour will have a uniform appearance with smooth surface, fitting the natural landscape.

The site was re-contoured to match the fit, shape, line and form of the surrounding area. It was re-shaped to prevent ponding and erosion, and in such a way that natural drainage was unimpeded. Water bars or silt traps were not needed to prevent erosion. The final recontour has a uniform appearance and a smooth surface, and fits the natural landscape. See attached photos of site re-contouring.

11) Notice will be sent to the OCD when the reclaimed area is seeded.

Elm Ridge Exploration will comply with the BLM's re-seeding requirements in this area in accordance with the federal rules and regulations as allowed by the BLM/OCD Memorandum of Understanding. Reseeding will occur or has occurred on (Date: 6/13/12).

12) The operator shall notify the surface owner by certified mail, return receipt requested, that the operator plans to close a temporary pit, a permanent pit, a below grade tank or where the operator has approval for on-site closure. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement.

See attached Land Owner Notification.

13) After approval of this application, Elm Ridge Exploration will notify the OCD verbally, or by other means, at least 72 hours, but not more than one week, prior to any closure operations. The notice shall include the operator's name and the location to be closed by unit letter, section, township and range, well name and number and API number.

See attached OCD notification.

14) Elm Ridge Exploration will close the pit in accordance with OCD rules 19.15.17.12 &13. Post closure documents will be submitted within 60 days of pit closure and will include forms C-105 and C-144, cover details, pit diagram, inspection report and closure sampling results.

See attached C-105, C-144, pit diagrams, closure sampling results. Cover was installed in accordance with 19.15.17.12 &13.

DISTRICT ! 1825 N: Franch Dr., Hobbs, N.M. 88240 State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South Pirst, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brasos Rd., Astec. N.M. 87410

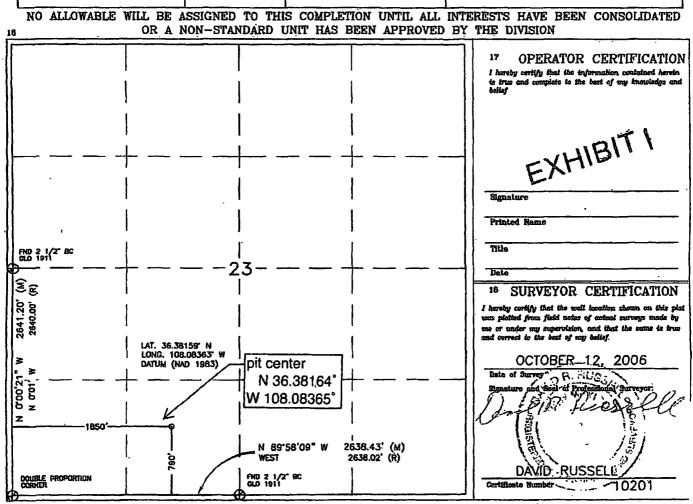
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACKEAGE DEDICATION FLAT									
'API	Number	² Pool Code			1	^a Pool Name			
40			Property Name 9 Well Number						
⁴ Property Co	ode				Property	name			Ber Kumper
	ł			SC	OUTH CARSON	FEDERAL 23		j	14
OGRID No					⁶ Operator	Name			^o Elevation
				EU	A RIDGE EXPL	ORATION, LLC			6372'
10 Surface Location									
UL or lot no.	Section	Township	Range	iot idn	Feet from the	North/South line	Feet from the	Best/West li	ne County
N	23	25N	12W		790'	SOUTH	1850'	WEST	SAN JUAN
			" Bott	om Hole	Location	If Different Fro	om Surface		
UL or lot no.	Section	Township	Range	Lot idn	Pest from the	North/South line	Feet from the	Bast/West 11	ine County
" Dedicated Acre	8		n joint or	Infill	²⁶ Consolidation	Code	¹⁵ Order No.		
Ĺ					<u> </u>		<u> </u>	···	



LATITUDE: 36.38159°N **ELM RIDGE EXPLORATION, LLC** LÓNGITUDE: 108.08363°W **SOUTH CARSON FEDERAL 23 #14 DATUM: NAD 83** 790' FSL & 1850' FWL LOCATED IN THE SE/4 SW/4 OF SECTION 23, T25N, R12W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO **GROUND ELEVATION: 6372', NAVD 88** 25' 50' FINISHED PAD ELEVATION: 6371.7', NAVD 88 SCALE = 50' C-2.3 VURICING SIDE В C-0.0 F+2.0 C-0.3 F+0.3 EXHIBITG 979 LF OF NEW ACCESS TO EXISTING DIRT ROAD 1 FOOT CONTOUR INTERVAL SHOWN Russell Surveying 1409 W. Aztec Blvd. #5 Aztec, New Mexico 87410 (505) 334-8637 SCALE: 1" = 50' JOB No.: ERE002 DATE: 11/13/06; REV1



Report Summary

Client: Elm Ridge

Chain of Custody Number: 14836

Samples Received: 05-30-12

Job Number: 03056-0375

Sample Number(s): 62208

Project Name/Location: Drill Pit Closure: South Carsen Fed 23-14

Entire Report Reviewed By: Aunt Date: 06-07-12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Elm Ridge	Project #:	03056-0375
Sample ID:	Pit Comp	Date Reported:	06-05-12
Laboratory Number:	62208	Date Sampled:	05-30-12
•		•	
•			
•			
		•	
Chain of Custody No: Sample Matrix: Preservative: Condition:	14836 Sludge Cool Intact	Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	05-30-12 05-30-12 05-30-12 06-05-12 8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	
Gasoline Range (C5 - C10)	ND	0.2	
Diesel Range (C10 - C28)	46.3	0.1	
Total Petroleum Hydrocarbons	46.3		

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Drill Pit Closure: South Carsen Fed 23-14





EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client: QA/QC Project #: N/A Sample ID: 0605TCAL QA/QC Date Reported: 06-05-12 **Laboratory Number:** 62241 Date Sampled: N/A Sample Matrix: Methylene Chloride Date Received: N/A Preservative: N/A Date Analyzed: 06-05-12 Condition: N/A Analysis Requested: **TPH**

I-Cal Date I-Cal RF: C-Cal RF: % Difference Accept. Range Gasoline Range C5 - C10 0 - 15% 06-05-12 9.9960E+02 1.0000E+03 0.04% Diesel Range C10 - C28 06-05-12 9.9960E+02 1.0000E+03 0.04% 0 - 15%

Blank Conc. (mg/L-mg/Kg)

Gasoline Range C5 - C10

Diesel Range C10 - C28

ND

O.1

Total Petroleum Hydrocarbons

ND

Obetection Limit

O.2

ND

O.3

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	285	114%	75 - 125%
Diesel Range C10 - C28	ND	250	289	116%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 62207-62208, 62241 and 62277-62278



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Elm Ridge	Project #:	03056-0375
Sample ID:	Pit Comp	Date Reported:	06-04-12
Laboratory Number:	62208	Date Sampled:	05-30-12
Chain of Custody:	14836	Date Received:	05-30-12
Sample Matrix:	Sludge	Date Analyzed:	06-04-12
Preservative:	Cool	Date Extracted:	05-30-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
	(-33/	(0 0)	
Benzene	49.6	10.0	
Toluene	152	10.0	
Ethylbenzene	58.5	10.0	
p,m-Xylene	289	10.0	
o-Xylene	100	10.0	
Total RTFX	649		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	101 %
	Bromochlorobenzene	92.5 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846.

USEPA, December 1996.

Comments:

Drill Pit Closure: South Carsen Fed 23-14





EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A		Project #:		N/A		
Sample ID:	0604BCAL QA/0	ac .	Date Reported:		06-04-12		
Laboratory Number:	62244		Date Sampled:		N/A		
Sample Matrix:	Soil		Date Received:		N/A		
Preservative:	N/A		Date Analyzed:		06-04-12		
Condition:	N/A			BTEX			
			Dilution:		50		
Calibration and	I-Cal RF:	Ĉ-Ĉal RF:	%Diff.	Blank	Detect.		
Detection Limits (ug/L)	-	Accept: Range 0-1	5%	Conc	(Limit		
Benzene	4.6842E-05	4.6842E-05	0.000	ND	0.2		
Toluene	5.3853E-05	5.3853E-05	0.000	ND	0.2		
Ethylbenzene	5.8596E-05	5.8596E-05	0.000	ND	0.2		
p,m-Xylene	5.1292E-05	5.1292E-05	0.000	ND	0.2		
o-Xviene	6.2578E-05	6.2578E-05	0.000	ND	0.2		

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	112	97.9	0.12	0 - 30%	10
Ethylbenzene	72.4	81.6	0.13	0 - 30%	10
p,m-Xylene	1160	1100	0.05	0 - 30%	10
o-Xylene	308	292	0.05	0 - 30%	10

Spike Conc. (ug/Kg)	Sample (Amo	unt Spiked Spik	ed Sample %	Recovery	Accept Range
Benzene	ND	2500	2540	102	39 - 150
Toluene	112	2500	2650	101	46 - 148
Ethylbenzene	72.4	2500	2620	102	32 - 160
p,m-Xylene	1160	5000	6090	98.9	46 - 148
o-Xylene	308	2500	2760	98.3	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolonization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

04/001 0 0014 00045 00000 --- 1 00044

Comments:

QA/QC for Samples 62244-62245, 62208 and 62241.

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

5796 US Highway 64, Farmington, NM 87401

envirotech-inc.com laboratory@envirotech-inc.com



Client:	Elm Ridge	Project #:	03056-0375
Sample ID:	Pit Comp	Date Reported:	06-06-12
Laboratory Number:	62208	Date Sampled:	05-30-12
Chain of Custody No:	14836	Date Received:	05-30-12
Sample Matrix:	Sludge	Date Extracted:	05-31-12
Preservative:	Cool	Date Analyzed:	05-31-12
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

251

6.7

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments: South Carsen Fed 23-14 Drill Pit Closure





QUALITY ASSURANCE REPORT

Client:

QA/QC

Project #:

N/A

Sample ID:

QA/QC

Date Reported:

06-06-12

Laboratory Number:

05-31-TPH.QA/QC 62207

Date Sampled:

N/A

TPH

Sample Matrix:

Freon-113

Date Analyzed:

05-31-12

Preservative: Condition:

N/A N/A Date Extracted: Analysis Needed: 05-31-12

Calibration

I-Cal Date

C-Cal Date

I-Cal RF:

C-Cal RF:

% Difference Accept. Range

04-25-12

05-31-12

1,680

1,790

6.6%

+/- 10%

Blank Conc. (mg/Kg)

Concentration

Detection Limit

TPH

ND

6.7

Duplicate Conc. (mg/Kg) TPH

Sample 236

Duplicate 202

% Difference Accept. Range 0.0%

+/- 30%

Spike Conc. (mg/Kg) **TPH**

Sample

236

Spike Added Spike Result % Recovery

2,000

2,290

115%

Accept Range 80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 62207-62208.



Chloride

Client: Elm Ridge Project #: 03056-0375 Sample ID: Pit Comp Date Reported: 05-31-12 Lab ID#: 62208 Date Sampled: 05-30-12 Sample Matrix: Date Received: Sludge 05-30-12 Preservative: Cool Date Analyzed: 05-31-12 Condition: Chain of Custody: Intact 14836

Parameter

Concentration (mg/Kg)

Total Chloride

960

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Drill Pit Closure: South Carsen Fed 23-14



CHAIN OF CUSTODY RECORD

Client: Elm Ridae		Pro	Project Name / Location: South Carsen Drill Pit Closure: red 23-14 Sampler Name: // O							ANALYSIS / PARAMETERS													
Elm Ridge Email results to: Ton: McKrigh Client Phone No.:	1+	Sar	mpler Name: K.	Peir	1e				8015)	1 8021)	8260)	ဖွ				-							
Client Phone No.:		Clie	Client No.: 03056-0375				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE		ļ		Sample Cool	Sample Intact		
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume ontainers	\vdash	eserva HCI	tive	трн ((втех	voc	RCRA	Cation	RCI	TCLP	CO 78	TPH (CHLC		_		Samp	Samp
Pit Comp	5-30-12	9:45	62208	14	oz Jac			X	X	X							X,	Х			1	1	Y
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Relinquished by: (Signature)				Date	Time	Recei	ved h	y: (Si	gnati	ite)										Da	ite	Tim	1e
	Jamy	Nein	7		13:30	A	2	m	re	1	15	ZE	ン							530	12	13:	- 1
Relinquished by: (Signature)	<i></i>					Hecei	ved t	by: (Si	gnati	urej/													
Sample Matrix Soil Solid Sludge	Aqueous 🗆	Other 🔲		l																			
□ Sample(s) dropped off after hours to secure drop off area. envirotech Analytical Laboratory																							
5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com																							

Submit To Appropr Two Copies	riate Distric	ct Office				State of Ne	w N	Лехі	со								rm C-105
District I 1625 N. French Dr.	Hobbe N	N. 992.10	ĺ	End	ergy, l	Minerals and	d Na	itura!	l Re	sources		Revised August 1, 2011					
District II	-		1								ı	1. WELL API NO. 30-04534236					
811 S. First St., Art District III	esia, NM 8	18210	,			l Conservat					ŀ	2. Type of Lease					
1000 Rio Brazos Ro District IV	d., Aziec, NM 87410 1220 South St. Francis Dr.							STA		☐ FEE		ED/IND	IAN				
1220 S. St. Francis						Santa Fe, N						3. State Oil &	Gas	Lease No	. NM-25	450	
		<u>LETIOI</u>	N OR	RECC	MPL	ETION RE	POI	RT A	ND	LOG	_		· ·				
4. Reason for fili	ing;											5. Lease Name	e or U	Init Agree South Ca			
☐ COMPLETI	ION REP	ORT (Fill	in boxes	#1 throu	gh #31	for State and Fed	e well	s only)		ĺ	6. Well Numb	er: I-				
☑ C-144 CLOS	SURE AT	TACHMI	ENT (Fi	ll in boxe	s#ithr	ough #9, #15 Da	ate Ri	g Rele	ased :	and #32 and	/or						
#33; attach this as		t to the C-	44 closu	re report	in accor	rdance with 19.1	5.17.	13.K N	MAG	C)							•
NEW \	WELL D	worke	VER [DEEPE	NING	□PLUGBACE	к <u>П</u>	DIFFE	EREN	IT RESERV	OIR	OTHER_				····	
8. Name of Opera Elm Ridge Explo									_			9. OGRID		149052			
10. Address of O											+	II. Pool name	or W	ldcat			
Post Office Box 1	156, Bloo	mfield, Ne	w Mexic	n, 87413													
12.Location	Unit Ltr	Secti	on	Towns	hip	Range	Lot			Feet from t	he	N/S Line	Feet	from the	E/W Li	ine	County
Surface:		1					ĺ										
BH:																	
13. Date Spudded	l 14. D	ate T.D. Ro	ached	15. 0		Released 11/2012			16.	Date Compl	eted	(Ready to Prod	uce)		. Elevatio Γ, GR, et		and RKB.
18. Total Measure	ed Depth	of Well		19. F	lug Bac	k Measured Dep	oth		20.	Was Directi	ional	Survey Made?		21. Тур	e Electric	and Ot	her Logs Run
22. Producing Int	erval(s), o	of this com	pletion -	Top, Bot	tom. Na	me			L								
23.					CAS	ING REC	OR	D (R	epo	ort all str	ing	s set in we	ell)				· · · · · · · · · · · · · · · · · · ·
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26. Perforation	record (in	nterval, size	e, and nu	mher)				27.	ACI	D, SHOT,	FR/	ACTURE, CE	MEN	T, SQUI	EZE, E	TC.	
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28.		······································					PR	ODU	JC'I	TION							
Date First Produc	tion		Produc	tion Met	nod (Flo	wing, gas lift, p	umpin	ıg - Siz	e and	ł type pump)	,	Well Status	(Proc	t. or Shut-	in)		
Date of Test	Hours	Tested	Ch	oke Size		Prod'n For Test Period		Oil	- Bbl	ı	Gas	- MCF	W:	ater - Bbl.		Cias - C	Dil Ratio
Flow Tubing	Coni-	g Pressure	- C-	iculated 2	24	Oil - Bbl.		<u></u>	Gac	MCF		Water - Bbl.		000	vity - AP	1.10-	
Press.	Casin	g Piessuie		ur Rate	:4-	On - Bbi.		İ	Gas -	MCr	1	water - Dos.		On Gia	vity - AF	1-100	<i>(.)</i>
29. Disposition of	Gas (Soi	d, used for	fuel, ven	ted, etc.)		<u> </u>					•		30. 1	est Witne	ssed By		
31. List Attachme	ents					· · · · · · · · · · · · · · · · · · ·				<u> </u>			···········			-	
32. If a temporary	pit was i	used at the	well, atta	ich a plat	with the	e location of the	temp	orary p	it.								
33. If an on-site h	urial was	used at the	well. re	port the e	xact loc	ation of the on-s	ite bu	rial:									
I hereby certif	Latitude 36.3816 Longitude -108.998606111111 NAD 1927 1983 I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																
Signature	Printed																
E-mail Addres	ss am	ackey1@	elmrid	lge.net													

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

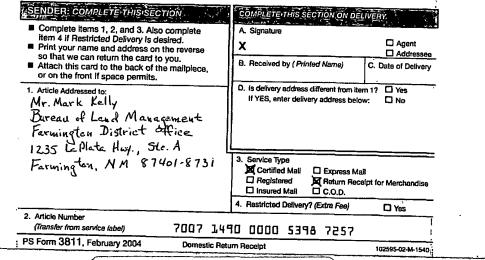
INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	astern New Mexico	Northy	Northwestern New Mexico				
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"				
T. Salt	T. Strawn_	T. Kirtland	T. Penn. "B"				
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"				
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"				
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville				
T. Queen	T. Silurian	T. Menefee	T. Madison				
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert				
T. San Andres	T. Simpson	T. Mancos	T. McCracken				
T. Glorieta	T. McKee_	T. Gallup	T. Ignacio Otzte				
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite				
T. Blinebry	T. Gr. Wash	T. Dakota					
T.Tubb	T. Delaware Sand	T. Morrison					
T. Drinkard	T. Bone Springs	T.Todilto					
T. Abo	T	T. Entrada					
T. Wolfcamp	T	T. Wingate					
T. Penn	T	T. Chinle					
T. Cisco (Bough C)	T	T. Permian_					

-			OIL OR GAS SANDS OR ZONES
No. 1, from	to	No. 3, from	to
		No. 4, from	
	IMPOR	TANT WATER SANDS	
include data on rate of	water inflow and elevation to wh	nich water rose in hole.	
No. 1, from	to	feet	
No. 2, from	to	feet	
· · · · · · · · · · · · · · · · · · ·		feet	
		ODD	

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness In Feet	Lithology	From	То	Thickness In Feet	Lithology
				:			



FROM C S796 U.S. Highway 64
Formington, NM 87401

TO: C Mr. Mark Kelly
Bureau of Land Managment
Farmington District Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401-8731





Form 3160-5 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

5. Lease Serial No. NMNM-25450

SHAPPY NOTICES AND DEDODES ON WELLS

Do not use this fo	orm for proposals to d Use Form 3160-3 (APD)	rill or to re-enter an	6. If Indian, Alle	ottee or Tribe	Name
	TIN TRIPLICATE - Other insti	ructions on page 2.	7. If Unit of CA	/Agreement, i	Name and/or No.
1. Type of Well			0.37.11.11		•
✓ Oil Well Gas W	/ell Other		8. Well Name a South Carson	Federal 23-1	4
2. Name of Operator Elm Ridge Exploration CO LLC			9. API Well No 30-045-34236	•	
3a Address PO Box 156 Bloomfield NM 87413		Phone No. (include area cod	e) 10. Field and Po Bisti Lower-Ga	•	ory Area
4. Location of Well (Footage, Sec., T., F		5-632-3476 Ext 201	11. County or P		
4. Location of Well (Footage, Sec., T., F Nr - Sec.23-T25N-R12W 790 FNL X 1850 FWL	.,.,		San Juan Cou		
12. CHEC	K THE APPROPRIATE BOX(E	S) TO INDICATE NATURE	OF NOTICE, REPORT OR	OTHER DA	ΓΑ
TYPE OF SUBMISSION	<u></u>	TYF	E OF ACTION		
✓ Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production (Start/Resu	me)	Water Shut-Off Well Integrity
	Casing Repair	New Construction	Recomplete	片	Other
Subsequent Report	Change Plans	Plug and Abandon	Temporarily Abandon		
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal		
Attach the Bond under which the w following completion of the involve testing has been completed. Final adtermined that the site is ready for Elm Ridge Exploration, Inc is making activities will begin on Monday, June 14. I hereby certify that the foregoing is to	ed operations. If the operation re Abandonment Notices must be fil r final inspection.) g the necessary surface notifice 4, 2012 and continue for the	sults in a multiple completion ed only after all requirements eation of their intent to close approximately one week.	or recompletion in a new in a	nterval, a Forn e been comple	n 3160-4 must be filed once eted and the operator has
Amy Mackey	The and correct Name (Printed/Typ	Title Administr	ative Manager		
Signature		Date 5	-29-12		
	THIS SPACE FO	R FEDERAL OR ST	ATE OFFICE USE		
Approved by			· · · · · · · · · · · · · · · · · · ·		
Conditions of approval, if any, are attached				Date	
that the applicant holds legal or equitable ti entitle the applicant to conduct operations t	thereon.				
Title 18 U.S.C. Section 1001 and Title 43 fectitious or fraudulent statements or repre	U.S.C. Section 1212, make it a crimisentations as to any matter within i	ne for any person knowingly ar its jurisdiction	d willfully to make to any de	partment or age	ency of the United States any false,

(Instructions on page 2)

Toni McKnight

From: Toni McKnight

Sent: Tuesday, May 29, 2012 2:41 PM To: 'brandon.powell@state.nm.us'

Cc: 'Kelly, Jonathan, EMNRD'; Greg Crabtree

Subject: South Carson 23-14; Drill Pit Closure Notification

Mr. Brandon Powell.

Please accept this email as the required notification for drill pit closure activities to be performed by Elm Ridge Exploration at the South Carson 23-14 well site located in Section 23, Township 25N, Range 12W, Unit N, San Juan County, New Mexico. The API # is 3004534236, and closure activities are scheduled to begin on Monday, June 4, 2012. The BLM has been notified as the surface owner. Thank you for your time in regards to this event.

Envirotech, Inc.
Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com
(505) 947-9179

ELM RIDGE EXPLORATION SOUTH CARSON FEDERAL 23-14 SITE RESTORATION PHOTOGRAPHY JOB NUMBER: 03056-0375

PHOTOS TAKEN: MAY 30, 2012

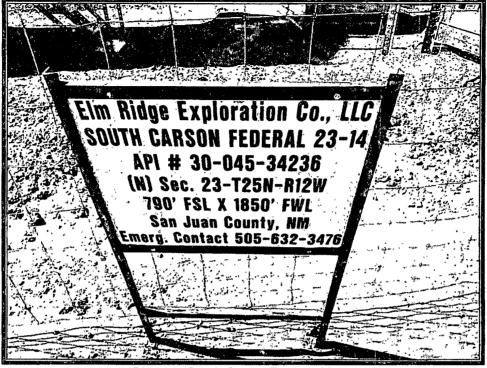


Photo 1: South Carson Federal 23-14

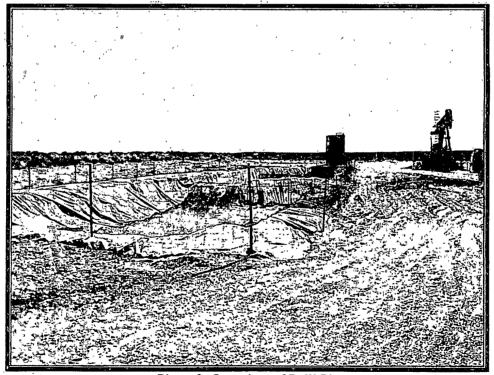


Photo 2: Overview of Drill Pit

ELM RIDGE EXPLORATION SOUTH CARSON FEDERAL 23-14 SITE RESTORATION PHOTOGRAPHY JOB NUMBER: 03056-0375

PHOTOS TAKEN: MAY 30, 2012

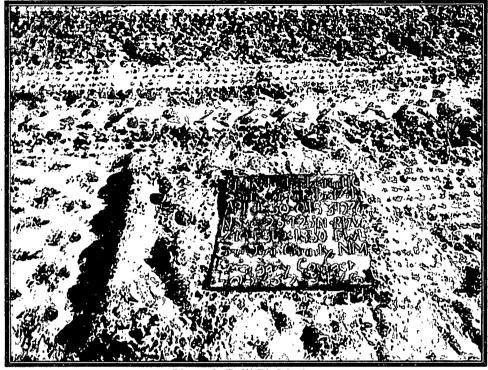


Photo 3: Drill Pit Marker



Photo 4: Re-contoured Site

	L NAME:	OPEN P	IT INSPE	PEN PIT INSPECTION FORM	ORM						
11	20-045- 412 Slo INSPECTOR	SCC.	Check July	M :					,		
\perp	DATE	2.8-12 Week!	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Woek 9	
	Pri Status	Comptess Comptess	Complesed	Properties C	Competed Competed	G Greenup	Dompteted Completed	Oceanty	Completed	S Completed	
NOI	is the location marked with the proper flagging? (Const. Zone, poles, plagfins, ofc.)	G ts □ 10			O 725 C) (80	res leb	매미됐	0, cs () to		or C	
LOCA		GYes □ #e	O Yes O No	_ ve	C Yes C 450	☐ Yes ☐ No	O'Nea Clab	. oil C ex		Ves Pe	
	is the access road in good driving condition? (deep ruts, bladed)	(Z'18 🗆 🖦		0,420	0) Ve. □ 600	O Yes ○ 820	31 D 121 C		0 Yes 0 180		
	Are the culverts tree from debuts or any object preventing flow?	<u>(</u>		ا ت ا ت	01 2v	01 C 54 C			0 tr		
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June 25th, 2012

Mr. Jonathan Kelly New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, NM 87410

RE: Drill Pit Inspections

Dear Mr. Kelly,

The Drill Pit Permit required daily inspections of the pit liner for all open pits. Visual inspections were done during drilling operations, but there was no documentation done. As you are aware there has been little to no drilling activity in the San Juan Basin for the past couple years. Due to the low activity, the employees that were hired by the drilling company are inexperienced and they failed to document the drill pit inspections.

Now that we are aware that the rig crew failed to follow the proper procedures; we have taken measures to ensure that all required paper work is thoroughly read and the rules are followed.

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Best Regard

Lefm Ridge Exploration CO LLC
Amackey1@elmridge.net