RECEIVED

1625 N French Dr., Hobbs, NM 88240

DEC 09 7009

State of New Mexico

Energy Minerals and Natural Resources

More and Avenue, Artesia, NM 88210

Department

District III

1000 Rio Brazos Road Artes NATA 1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S St Francis Dr , Santa Fe, NM 87505

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 July 21, 2008

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.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

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 system, below-grade tank or alternative request					
Please 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 invironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.					
Operator: Lynx Petroleum Consultants, Inc. OGRID #: 013645					
Address P.O. Box 1708, Hobbs, NM 88241					
Facility or well name: Lusk "31" Federal No. 3					
API Number: 30-025-39593 OCD Permit Number: P1-01553					
U/L or Qtr/Qtr NW/4SE/4 Section 31 Township 18S Range 32E County. Lea					
Center of Proposed Design: Latitude 32°42'07.04" N Longitude 103°48'13.75" W NAD: 1927 X 1983					
Surface Owner: 🔀 Federal 🗌 State 🗋 Private 🗋 Tribal Trust or Indian Allotment					
Pit: Subsection F or G of 19.15.17.11 NMAC					
4.					
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					
Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental 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, I institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	nospital,
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)	
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 15.3.103 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 drying 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 X No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	☐ Yes 🙀 No ☐ NA
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	☐ 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 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

-	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 ☐ String 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 15 17.9 NMAC							
	Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17.9 NMAC and 19.15.17.13 NMAC							
	Previously Approved Design (attach copy of design) API Number: or Permit Number							
	12. 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 NMAC and 19.15.17.13 NMAC							
	Previously Approved Design (attach copy of design) API Number:							
l	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 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 Climer 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 H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control 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: Torilling 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)							
`	Waste Excavation and Removal 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. 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 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 G of 19.15.17.13 NMAC							

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.I) NMAC)						
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if if facilities are required.	nore than two						
•							
Disposal Facility Name Disposal Facility Permit Number:							
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							
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 dist considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justi 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						
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	Yes No NA 375¹ NA 375¹						
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							
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							
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 Subsection 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 Subsection F 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 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC							

19. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and c	omplete to the best of my knowledge and belief.
Name (Print): Larry R. Scott	itle. President
Signature: Rarry & Scott	Date: October 1, 2009
e-mail address: lypepet@leaco.net To	elephone:575-392-6950
20. OCD Approval: ⊠ Permit Application (including closure plan) ☐ Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Seoffrey Lokims	Approval Date: 04 08 2010
OCD Representative Signature: Acoffrey Loking Title: Environmental Enjineer OCD I	Permit Number: P[-81553
Closure Report (required within 60 days of closure completion): Subsection K of 19. Instructions: Operators are required to obtain an approved closure plan prior to implement the closure report is required to be submitted to the division within 60 days of the comp section of the form until an approved closure plan has been obtained and the closure ac	nenting any closure activities and submitting the closure report. letion of the closure activities. Please do not complete this
(C	Closure Completion Date:
22. Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Clo ☐ If different from approved plan, please explain.	sure Method Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That U Instructions: Please indentify the facility or facilities for where the liquids, drilling fluit two facilities were utilized.	ds and drill cuttings were disposed. Use attachment if more than
-	sal Facility Permit Number:
Disposal Facility Name:	sal Facility Permit Number:
Yes (If yes, please demonstrate compliance to the items below) \(\subseteq \text{No} \)	and with not be ased for ratary so, they and operations.
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.	
Closure Report Attachment Checklist: Instructions: Each of the following items must mark in the box, that the documents are attached.	st be attached to the closure report. Please indicate, by a check
 □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure) □ 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) □ Disposal Facility Name and Permit Number □ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique 	
	NAD: □1927 □ 1983
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is belief. I also certify that the closure complies with all applicable closure requirements and Name (Print):	
Signature:	Date:
e-mail address:	Celephone Celephone

Lusk '31' Federal No. 3 C-144 Attachments

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All maps submitted with this application were generated utilized the Petroleum Recovery Research Center's "Pit Rule Mapping Portal".

Figure 1 is a topographic map at a 1"=2000' scale showing the area surrounding the proposed location.

Figure 2 was developed with the U.S.G.S. and O.S.E.S. layers turned on demonstrating that there are no ground water resources within several miles of the proposed location.

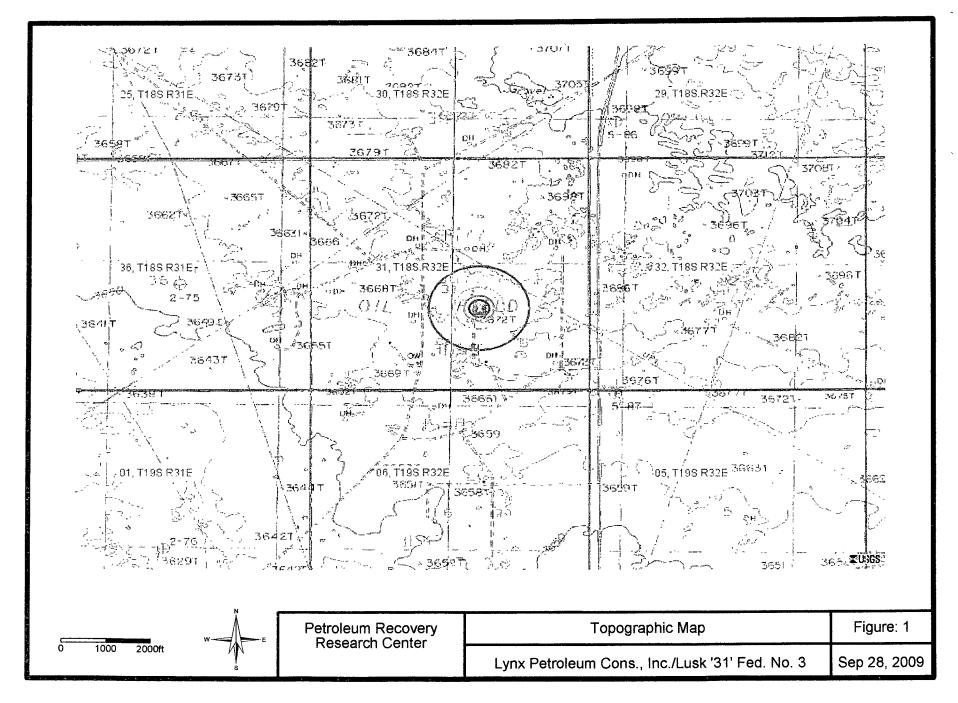
Figure 3 was developed with the surface water layer turned on demonstrating that there is no surface water with several miles of the proposed location.

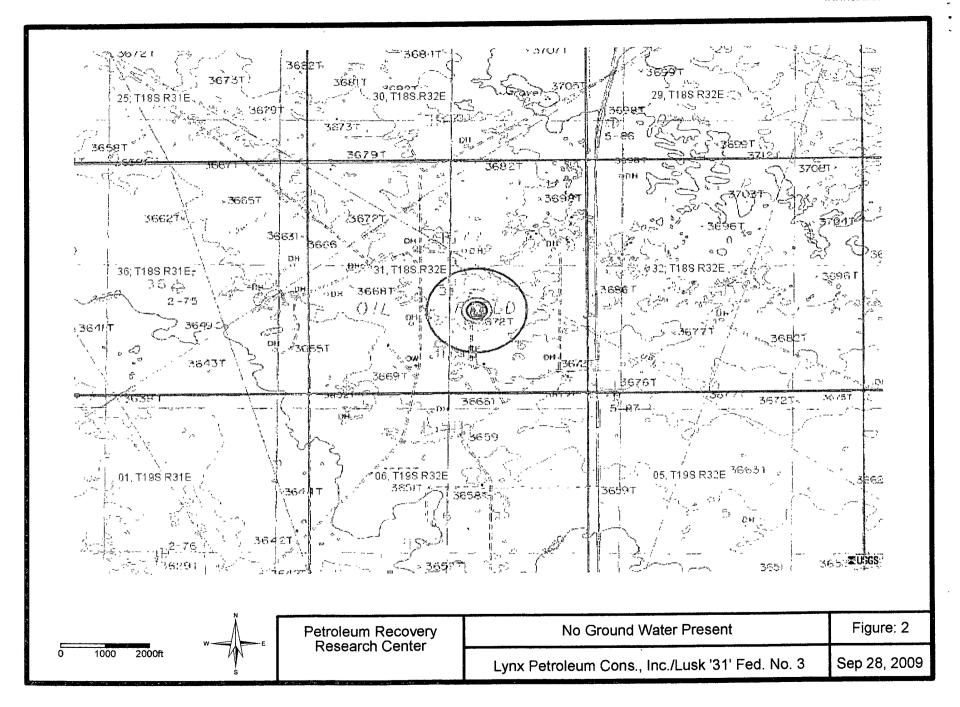
Figure 4 is an aerial photograph demonstrating that there are no structures, municipal boundaries, wetlands, mines, or unstable areas within several miles of the proposed location. The area has not been mapped by FEMA as being within a 100 year floodplain.

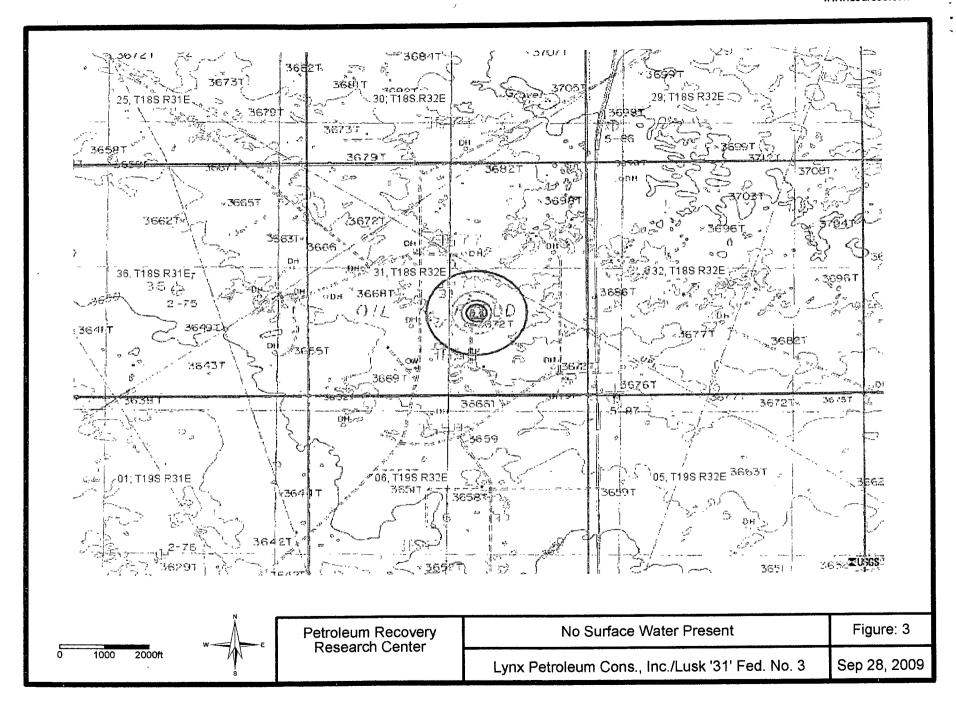
We plan to push the topsoil to the north side of the location to be utilized for recover purposes at the conclusion of the drilling project. The pit will be constructed per the attached diagram and lined as per specifications. The three open sides will be fenced with four strands of barbed wire per specifications. The fourth side (rig side) will be left open until the drilling equipment has been removed from location at which time this will also be fenced.

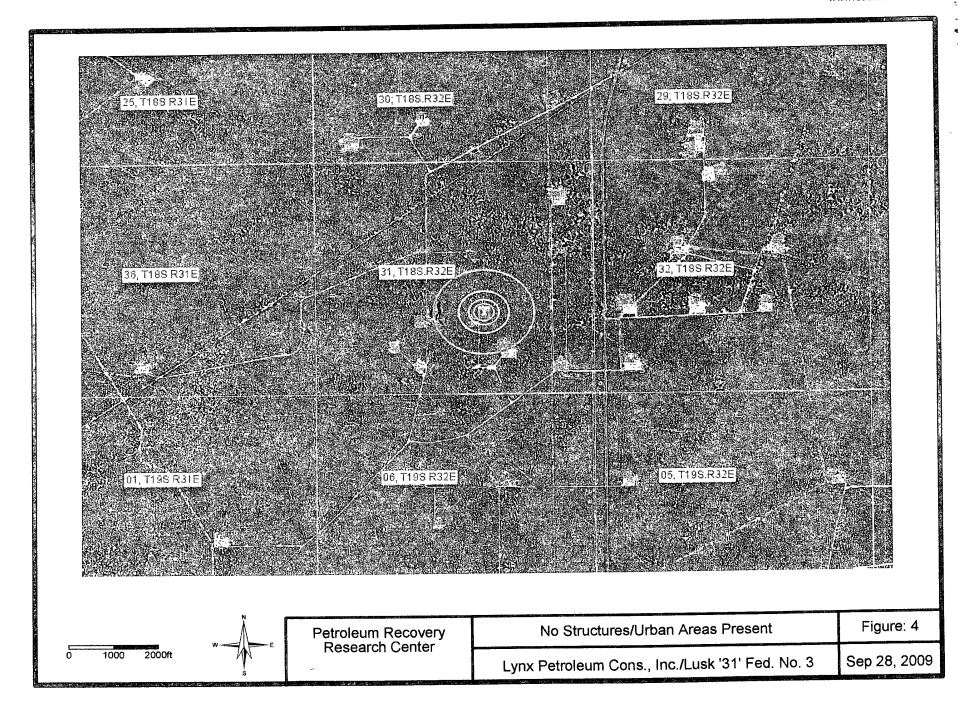
We anticipate that the inner horshoe will contain 10.0 ppg (saturated) brine water to be used for the drilling of the salt section. The outer horshoe will initially contain fresh water but will "brine up" during the drilling of the production hole to a concentration of 60,000-100,000 ppm. Both inner and outer horshoes will be dewatered immediately following drilling operations.

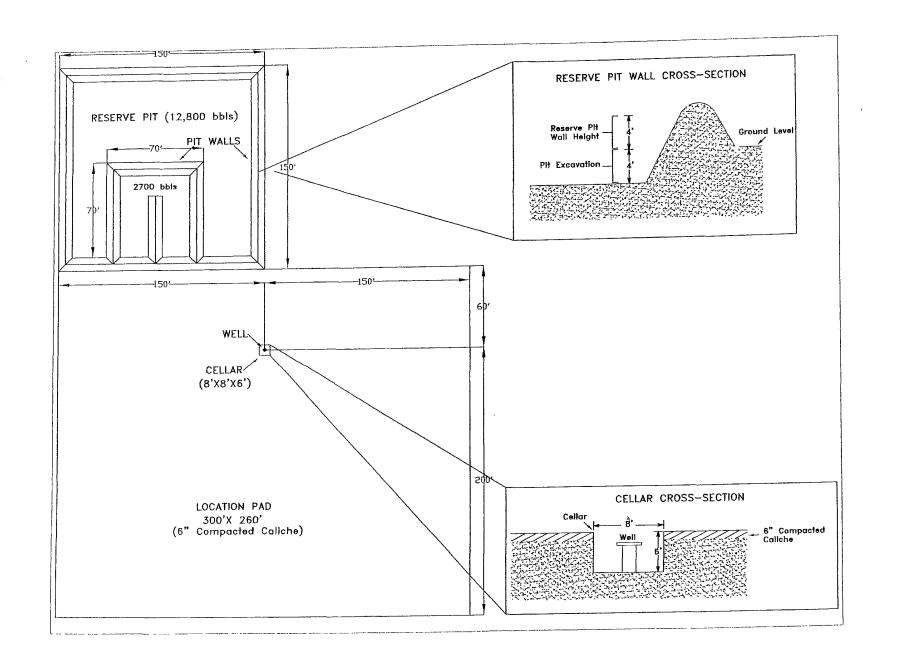
With the pit dry, we plan to cover the drill cuttings with 20 mil LLDPE plastic and then push the previously located topsoil back over the area to cover. Finally, the area will be reseeded with a mixture of seed required by the Bureau of Land Management with their APD approval.

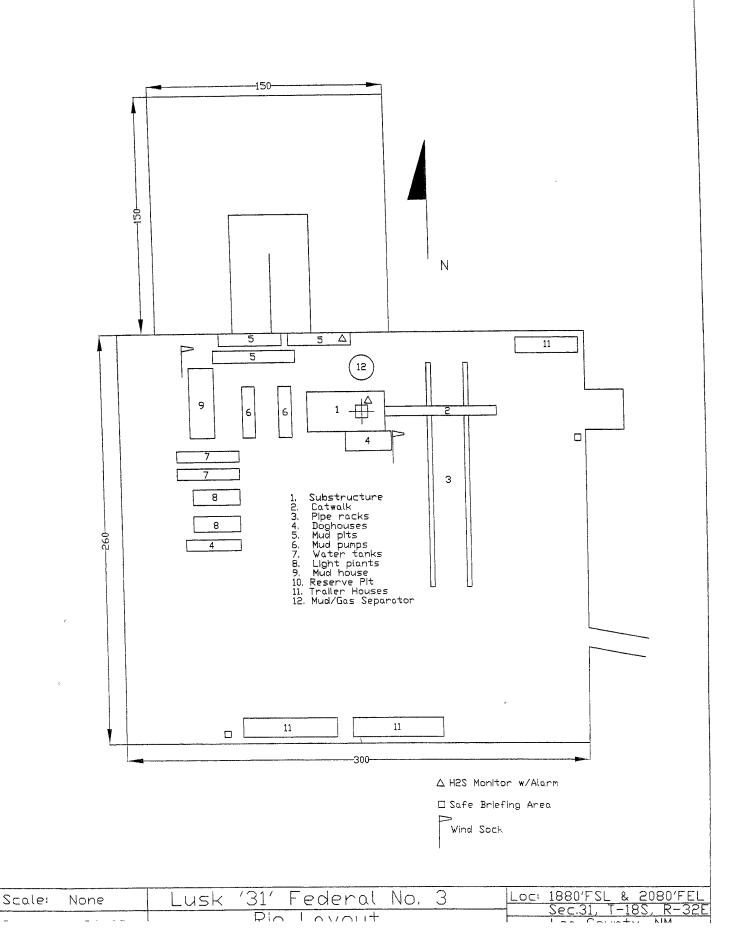




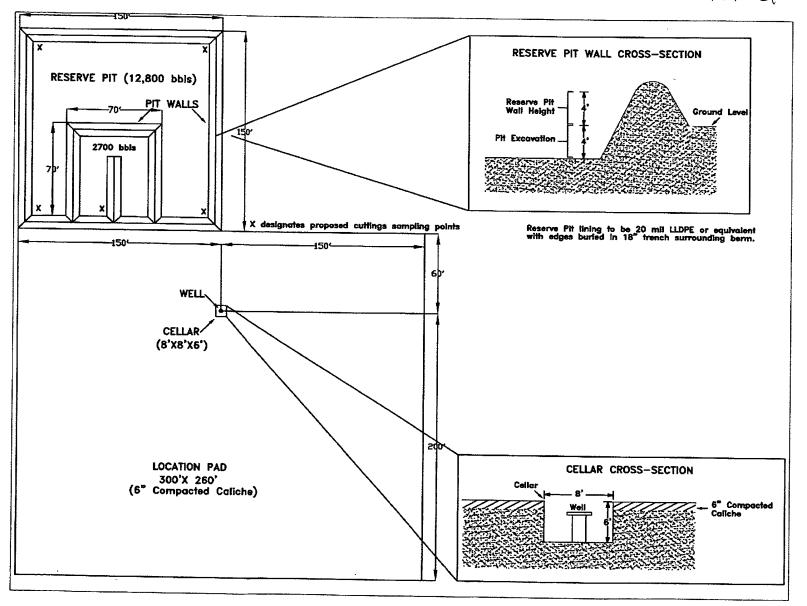








PROPOSED SAMPLING LOCATIONS FOR 5-PT COMPOSITE SAMPLING





SAMPLE OF ANALYSES TO BE PERFURMED ON 5-PT COMPOSITE

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR CAPITAN CHEMICAL, LLC ATTN: LYNX PETROLEUM - LARRY SCOTT P.O. BOX 1200 HOBBS, NM 88241 FAX TO. (575) 392-3689

Receiving Date: 12/17/08
Reporting Date: 12/19/08
Project Number: 11/19/08

Project Number: LUSK 33-2 Project Name: PIT CLOSURE

Project Location: LUSK FIELD

Sampling Date: NOT GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML Analyzed By: AB/HM

LAB NUMBER SAMPLE ID	GRO (C _e -C ₁₀) (mg/kg)	DRO ` (>C ₁₀ -C ₂₈) (mg/kg)	418.1 TOTAL TPH (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE	12/18/08	12/18/08	12/19/08	1 4040000
H16542-1 SW	108	· 		12/17/08
H16542-2 SE		240	2,780	34,000
H16542-3 CENTER	35,3	310	5,880	66,400
	41.2	330	7,530	43,200
	74.8	418	2,850	
H16542-5 NW	12 0	137	1,420	18,000 20,000
Quality Control				
	599	514	323	500
True Value QC	500	500	300	500
% Recovery	120	103	108	100
Relative Percent Difference	8.1	4.7	0.3	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; EPA 418.1; Cl-: Std. Methods 4500-Cl-B *Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H16452 TPH2CL CC

PLEASE NOTS, Liability and Canadages. Cardinal's Hability and client's exclusive relinedy to any client ended in making, whether began in contract or fast, shall be imited to the emount paid by client for analyses. All claims, including those for negligence and any client cause whateover shall be deemed welved unless made in whitey say decided by Cardinal within listly (30) days after completion of the applicable affiliates a surregardy estable of the parternance of services, negligibles or surregardy estables intermiting out of or related to the parternance of services, negligibles of whether such claims beset upon any of the above attack reasons or otherwise. Results only to the samples identical above. The report shell not be reproduced except in full with written approval of Cerdinal Laboratories.



ANALYTICAL RESULTS FOR CAPITAN CHEMICAL, LLC

ATTN: LYNX PETROLEUM - LARRY SCOTT

P.O. BOX 1200 HOBBS, NM 88241 FAX TO: (575) 392-3689

Receiving Date: 12/17/08 Reporting Date: 12/19/08 Project Number: LUSK 33-2 Project Name: PIT CLOSURE Project Location: LUSK FIELD

Sampling Date: NOT GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: ZL

LAB NUMBER SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE	12/19/08	12/19/08	12/19/08	145475
H18542-1 SW	0.458	4.41	·	12/19/08
H16542-2 SE	0.730		4.48	7.53
H16542-3 CENTER		1,99	1.40	2.59
H16542-4 NE	0.719	2.49	2.25	3.84
-	0,304	0.711	1.64	3.20
H16542-5 NW	0.229	0 926	1.12	2.01
Quality Control	0.043			
True Value QC	0.043	0.044	0.046	0.137
% Recovery	0.050	0.050	0.050	0.150
	86.0	0.88	92.0	91.3
Relative Percent Difference	1.2	1.4	8,9	3.6

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Date



101 East Marland, Hobbs, NM 88240

Project Manage	Carpitar Chemical	, ui	BILL TO				AACA			of	
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1.163	Box 1200	1	Company:	-	1			.			Í
	OIAD! A	M Zip: 88240	Attn:] }	
D- 1	12 3730 Fax #:	392-3689	Address:								
	AJK 33-7 Project O	wner: Lynz Petrokun			ı						
Project Name:	Pit LIBURY	TO THE TAXABLE			1			1 1	1		
roject Location	E Lusk field		State: Zip:							1	
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Lab I.D.	Sample I.D.	(G)FAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL		_				§ [4		
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MS. All claums protoding the III in my event shat Cardin	unages. Condends Rabble and there's excluses remody is not transpligance and any other cause whatcomes shall at he table for institution or consumerable damages, inclu- ted by plated to the performance of the cause of the caus	or any claim entering whether besid in contract	or los shall be protect to the amount and a series							╂──┥	
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† Cardinal	not accept verbal changes. Pleas		: 11/2/13								

6. SOURCE OF CONSTRUCTION MATERIAL:

A. Caliche will be hauled from the nearest approved pit.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drill pit.
- B. Drilling fluids will be recovered from the drilling pits upon conclusion of drilling/completion operations.
- Water produced during testing well be disposed of in the drill pits.
 Oil produced during testing will be stored in the test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper and garbage will be contained in a fenced trash trailer and disposed of in an approved landfill.

8. ANCILLARY FACILITIES:

A. None required.

9. WELLSITE LAYOUT:

- A. The attached rig layout plat indicates the relative location and dimensions of the well pad, mud pits, reserve pit and major rig equipment.
- B. The reserve pit will be lined with plastic to prevent loss of water and contain the drilling mud.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations all equipment and other material not needed for producing operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible
- B. Any unguarded pits containing fluids will be fenced until they are backfilled.

Page 4 SURFACE USE PLAN LUSK '31' FEDERAL No. 3

If the well is non-productive, the disturbed area will be rehabilitated to Federal Agency requirements, and will be accomplished as C. expeditiously as possible.

11. OTHER INFORMATION:

- Terrain: Low rolling hills. Α.
- Soil: Sandy. B.
- Vegetation: Mesquite, creosote, and grasses. C.
- Surface Use : Grazing. D.
- Ponds and Streams: None within 1.0 mile. E.
- Water Wells: None within 1.0 mile. F.
- Residences and Buildings: None within 1.0 mile. G.
- Arroyos, Canyons, Etc. : None within 1.0 mile. Η.
- Well Sign: A sign identifying and locating the well will be ١. maintained at the wellsite.
- Archeological, Historical and Other Cultural Sites: An archeological survey of the well pad has been ordered from Boone J. Archeological Services. They will furnish a report and recommendation to the B. L. M. in Carlsbad, NM.
- Surface Ownership: The access road and wellsite are located on K. Public surface.

12. OPERATOR'S REPRESENTATIVE:

Larry R. Scott P. O. Box 1708 Hobbs, NM 88241 Phone - (575) 392-6950 Fax - (575) 392-7886

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Hobbs Field Station at (575) 393-3612 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. RESERVE PITS

The reserve pit shall be constructed and closed in accordance with the NMOCD rules.

The reserve pit shall be constructed 150' X 150' on the North side of the well pad.

The reserve pit shall be constructed, so that upon completion of drilling operations, the dried pit contents shall be buried a minimum depth of three feet below ground level. Should the pit content level not meet the three foot minimum depth requirement, the excess contents shall be removed until the required minimum depth of three feet below ground level has been met. The operator shall properly dispose of the excess contents at an authorized disposal site.

The reserve pit shall be constructed and maintained so that runoff water from outside the location is not allowed to enter the pit. The berms surrounding the entire perimeter of the pit shall extend a minimum of two (2) feet above ground level. At no time will standing fluids in the pit be allowed to rise above ground level.

The reserve pit shall be fenced on three (3) sides during drilling operations. The fourth side shall be fenced immediately upon rig release.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

At the time reserve pits are to be reclaimed, operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

B. RESERVE PIT CLOSURE

The reserve pit, when dried and closed, shall be recontoured, all trash removed, and reseeded as follows:

Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either

certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass Sand Bluestem Little Bluestem Big Bluestem Plains Coreopsis Sand Dropseed	51bs/A 51bs/A 31bs/A 61bs/A 21bs/A

^{**}Four-winged Saltbush 5lbs/A

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Pounds of seed x percent purity x percent germination = pounds pure live seed

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

^{*} This can be used around well pads and other areas where caliche cannot be removed.

^{*}Pounds of pure live seed: