District I 1625 N. Freich Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, 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.

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

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. Santa Fe, NM 87505

Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure plan only submitted for an existing permitted or non-permitted below-grade tank, or proposed alternative method	rnative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade t	ank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surfactivironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental author	
Operator: Kimbell Oil Company OGRID #: 12683	
Address: 777 Taylor St., Suite P-IIA; Fort Worth, TX 76102	
Facility or well name: Warren Federal 2E	
API Number: 3003923618 OCD Permit Number: Not Applicable	
==U/L or Qtr/Qtr <u>H</u> Section <u>35</u> Township <u>25N</u> Range <u>6W</u> County: <u>Rio Arriba</u>	
Center of Proposed Design: Latitude 36.359507 Longitude -107.431404 NAD: □1927 ☑ 1983	
Surface Owner: X Federal X State Private Tribal Trust or Indian Allotment	
Dit: Subsection F or G of 19.15.17.11 NMAC	
Temporary: Drilling Workover	
Permanent Emergency Cavitation P&A	
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other	
: Jan String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L	x W x D
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior a intent)	approval of a permit or notice of
Drying Pad Above Ground Steel Tanks Haul-off Bins Other	45161770
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other	01314151617181820
Liner Seams: Welded Factory Other	ANS A PECTIVED BY
4.	- P
Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: 40 bbl Type of fluid: Produced Water	OIL CONS JA 1773 NO
Tank Construction material: Steel tank	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	OIL CONS : IT 3 AS
Visible sidewalls and liner Visible sidewalls only Other	
Liner type: Thicknessmil	
2.2	

Page Lof 6

Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration	on 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, nstitution or church)	hospital,
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify 4 foot tall hog wire fencing with pipe railing	·····
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	- 4
☑ 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	
9. Administrative Approvals and Exceptions: ustifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
lease 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.	office for
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
riting Criteria (regarding permitting): 19.15.17.10 NMAC nstructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptaterial 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 applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying bove-grade tanks associated with a closed-loop system.	priate district pproval. ing pads or
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 Enclosed is a C-144 document for Well Site Warren Federal #2 which is 2698.4 feet to the south. The OCD approved depth to groundwater for Warren Federal #2 is over 100 feet. It is reasonable to assume that the distance to groundwater at Warren Federal #2E is over 50 feet based on this information.	☐ Yes ⊠ No
Vithin 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa	☐ Yes ☑ No
 ake (measured from the ordinary high-water mark). Topographic map, Visual inspection (certification) of the proposed site (The nearest watercourse is located 1,842.2 ft. west of the well site per the attached aerial.) 	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application	☐ Yes ☑ No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□ NA
Visual inspections indicate none of the above mentioned locations exist within 300 feet of the well site.	
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 According to the iWATERS database search, no water wells exist within 500 feet.	☐ Yes ☑ No
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance idopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality According to the topographic map, the well site is not within the defined boundaries of a municipality or a fresh water well field. 	☐ Yes ☑ No

VIA : 500 C. A. C	T v 57 v			
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site (The USFWS data file, WetlandsData.kmz, dated July 2, 2008 was opened using Google Earth. The nearest wetlands were 1,842.2 ft. west of the well site. See the attached aerial.)	☐ Yes ⊠ No			
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division The included NM EMNRD map shows that the well site is not in an area overlying a subsurface mine.	☐ Yes ☑ No			
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society, Topographic map The included topographical map shows no fault lines close to the site which would make the site unstable. 	☐ Yes ☑ No			
Within a 100-year floodplain. - FEMA map The included FEMA map shows that the site is not within a 100 year flood plain.	☐ Yes ⊠ No			
The included FEMA map shows that the site is not within a 100 year 11000 plain.				
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC **nstructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are ttached. **Notice The 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 **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: or Permit Number:				
osed-loop Systems Permit Application Attachment Checklist: Subsection B of 19 15.17.9 NMAC structions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15. 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 nd 19.15.17.13 NMAC	5.17.9 AC			
☐ Previously Approved Design (attach copy of design) ☐ Previously Approved Operating and Maintenance Plan ☐ Previously Approved Operating and Maintenance Plan ☐ API Number: ☐ (Applies only to closed-loop system)	tom that usa			
bove 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 nstructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc ttached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Installation Plan Monitoring and Installation Plan Monitoring and Installation Plan	cuments are			
 ☐ Monitoring and Inspection Plan ☐ Erosion Control Plan ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 				

4.	
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	zyotem.
 ☐ 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 Co	consideration)
15 Weste Everystian and Beneral Clasure Plan Checklists (10.15.17.12.) DAAC) Landing End. Cd. Cd. in Young	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be insure 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 I of 19.15.17.13 NMAC	
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	
6. <u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> (19.15.17.13.I Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if i acilities are required.	
Disposal Facility Name: Disposal Facility Permit Number:	
Disposal 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. Yes (If yes, please provide the information below) No	vice and operations?
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 G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	C
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 districtions of an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justilemonstrations 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
Fround 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
Fround 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
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa ake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Vithin 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock vatering 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	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance idopted 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			
18. 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 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 Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection 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 belanate (Print): Jon Stickland Title: Engineer	ef.			
Signature: / M. Strest				
e-mail address/_ims@kimbelloiL.com Telephone: (817) 335-259,	1 X 30			
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 300 OCD Permit Number:	9/2012			
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:				
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-lo If different from approved plan, please explain.	op systems only)			
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-of Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attact two facilities were utilized.	hment if more than			
Disposal Facility Name: Disposal Facility Permit Number				
Disposal Facility Name:	erations?			
 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 				
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please in mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure) 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	dicate, by a check			

Re-vegetation Application Rates and Seeding Techniqu Site Reclamation (Photo Documentation)	ae	
On-site Closure Location: Latitude	Longitude	NAD □1927 □ 1983
Operator Closure Certification: I hereby certify that the information and attachments submitte belief. I also certify that the closure complies with all applications.	ed with this closure report is true, accurate an ble closure requirements and conditions spec	d complete to the best of my knowledge and cified in the approved closure plan.
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone.	

Attachments:

C144 for Warren Federal #2 & Topographical Map Aerial Map iWaters Database Search Topographical Map NM EMNRD Map FEMA Map Below Grade Tank Design and Construction Plan Below Grade Tank Maintenance and Operating Plan Below Grade Tank Closure Plan District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Di , Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

For drilling and production facilities, submit to appropriate NMOCD District Office For downstream facilities, submit to Santa Fe

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

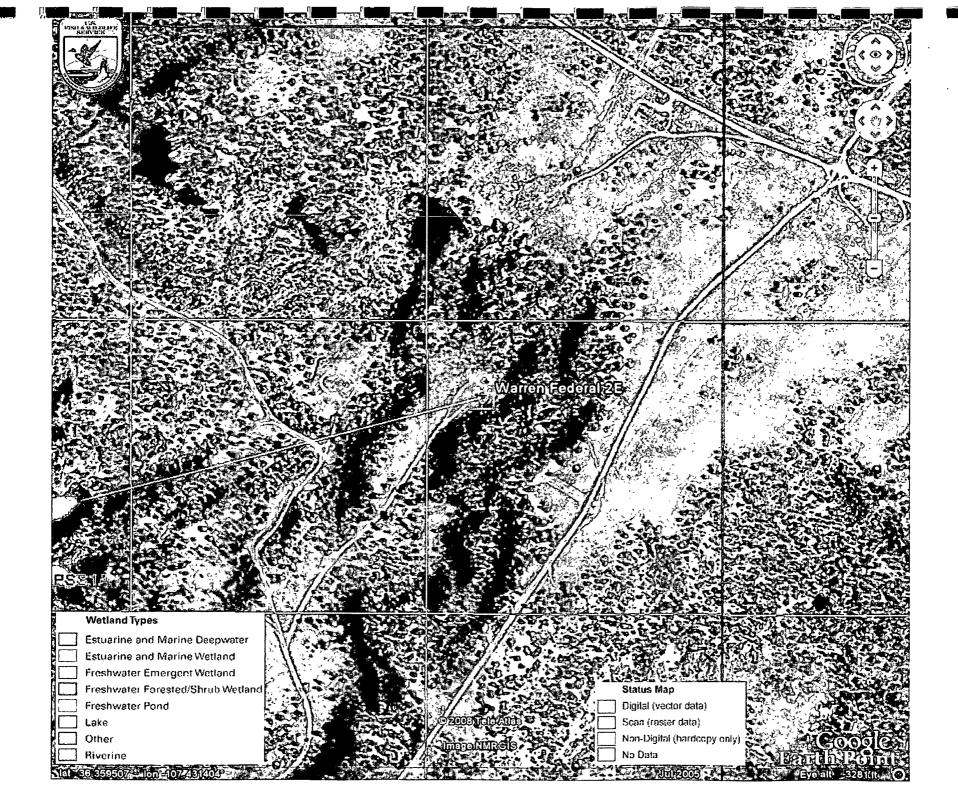
office

Form C-144

June 1, 2004

Pit or Below-Grade Tank Registration or Closure	
Is pit or below-grade tank covered by a "general plan"? Yes 🛛 No 🗌	

Type of action. Registration of a pit o	r below-grade tank [] Closure of a pit or below-grad	ie tank 🔊		
	elephone (817) 335-2593 e-mail add	dress ums@kumbelloil.com		
Address. 777 Taylor Street, Suite P-IIA, Fort Worth, Texas 76102				
Facility or well name Warien Federal #2 API # 30	03905714 U/L or Qtr/Qtı O	Sec <u>35 T 25N</u> R <u>6W</u>		
County Rio Arriba / Latitude	36 352462 Longitude -107 43409	NAD 1927 ⊠ 1983 □		
Surface Owner. Federal X State Private Indian		ROUD DEC 19'07		
Pit	Below-grade tank	OIL CONS. DIV.		
Type Drilling Production Disposal	Volumebbl Type of fluid			
Workover Emergency	Construction material Earth Pit	DIST. 3		
Lined Unlined 🛭				
Liner type Synthetic Thickness mil Clay	Double-walled, with leak detection? Yes I If not,	explain why not		
Pit Volumebbl				
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)		
high water elevation of ground water)	50 feet or more, but less than 100 feet	(10 points)		
I	100 feet or more	(0 points) 0		
	Yes	(20 points)		
Wellhead protection area (Less than 200 feet from a private doinestic	No	1 1 1		
water source, or less than 1000 feet from all other water sources)	NO	(0 points) 0		
Distance to surface water. (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)		
	200 feet or more, but less than 1000 feet	(10 points)		
imgation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	(0 points) 20		
		20		
1	Ranking Score (Total Points)			
f this is a pit closure: (1) Attach a diagram of the facility showing the pit's are burying in place) onsite offsite for If offsite, name of facility tate (4) Groundwater encountered No Ves for If yes, show depth belo 5) Attach soil sample results and a diagram of sample locations and excavat	(3) Attach a general description of remedial action with ground surfaceft and attach sample	n taken including remediation start date and end		
Additional Comments	1013			
	4 4 804	0.00		
Auger refusal at 4' BGS, encountered sandstone Sample at 1' below tank	was within the 8015 standard of 100 ppin for IPH and	OVM standard or 100 ppm		
95 barrel steel tank installed				
I				
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines. a general permit. or an (attached) alternative OCD-approved plan. Date 12/17/07 Printed Name/Title Mr Jonathan Stickland Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of hability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Approval "rinted Name/Title Signature \(\frac{3}{2} \) PUTY DAL & GAS INSPECTOR DIST \(\frac{24}{24} \)				



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New Mexico Office of the State Engineer **POD Reports and Downloads**

Township: 25N

Range: 06W

Sections: 35

NAD27 X:

Y:

Zone:

Search Radius:

County:

Basin:

Number:

Suffix:

Owner Name: (First)

(Last)

○ Non-Domestic ○ Domestic ○ All

POD / Surface Data Report

Avg Depth to Water Report | Water Column Report

Clear Form

iWATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 09/04/2008

(Depth Water in Feet)

Bsn Tws Rng Sec Zone Х Y Wells Min Max Avg

No Records found, try again

http. ters.....te.r. 001 ER ...And Dicr.....r 1 _ xic _ __e o ___ ate ___ r

> New Mexico Office of the State Engineer POD Reports and Downloads

Township: 25M Range 06W Sections 35

NAD27 X Y Zone

Search Radius

Number:

County

Suffix.

Owner Name. (First) (Last)

Basın

2 Non-Domestic 2 Domestic 4 All

POD/ Surface Data Report | Avg Depth to Water Report | Water Column Report ,

Clear Form J. WATERS Menu | Help .

POD / SURFACE DATA REPORT 09/04/2008

(acre ft per annum) Use Diversion Owner

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest X Y are in Feet Source Tws Rng Sec q q q Zone X

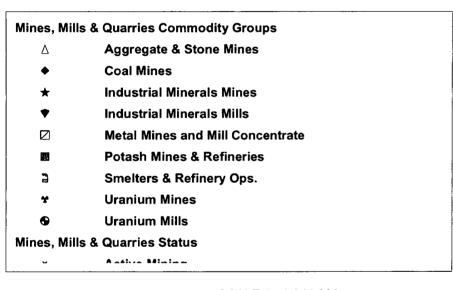
UTM are in Meters) Star
UTM_Some Easting Northing Date

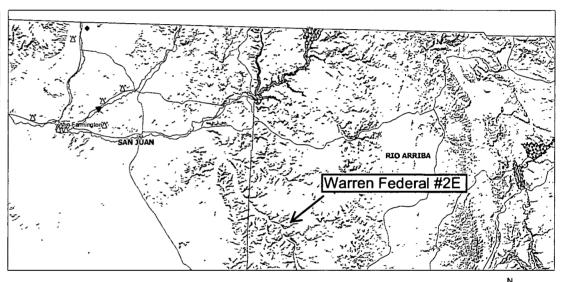
Finish Date

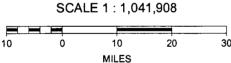
Depth Depth (in feet) Well Water

No Records found, try again

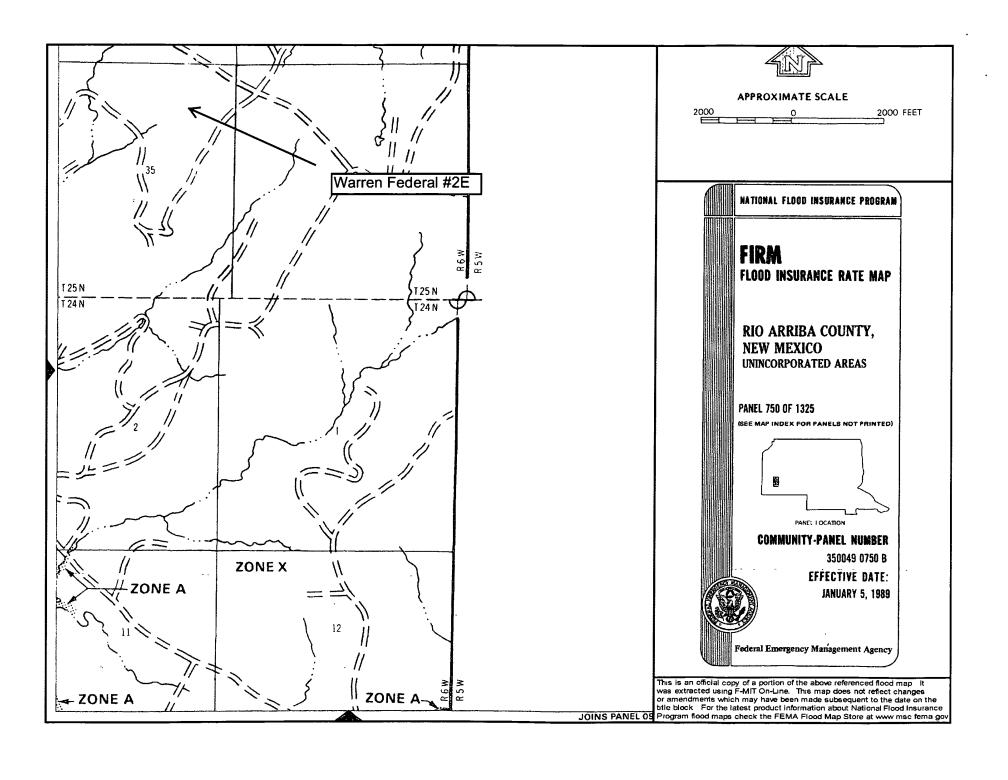
San Juan Basin Mines











Kimbell Oil Company of Texas

San Juan Basin

Below Grade Tank Design and Construction Plan

In accordance with Rule 19.15.17 the following information describes the design and construction of below grade tanks (BGTs) on Kimbell Oil Company of Texas locations. This will be Kimbell Oil Company of Texas' standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

GENERAL PLAN:

- 1. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, will design and construct a BGT to contain liquids and solids to prevent contamination of fresh water and to protect public health and environment.
- 2. Kimbell Oil Company of Texas will use a general location sign posted on location. If no general sign is posted, a separate sign at the location of the BGT will be provided.
- 3. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall construct fencing around the BGT using a four (4) foot hog wire fencing topped with two (2) strands of barbed wire, or with a pipe top rail. A six (6) foot chain link fence topped with three (3) strands of barbed wire will be used if the well location is within 1000 feet of a permanent residence, school, hospital, institution or a church.
- 4. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, will construct an expanded metal covering on the top of the BGT.
- 5. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall ensure that a BGT is constructed of materials resistant from damage by sunlight and the BGT's particular contents.
- 6. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall ensure that the BGT system has a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom.

- 7. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall not allow a BGT to overflow or allow surface water run-on to enter the BGT.
- 8. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, will construct and use a BGT that does not have double walls. The BGT side walls will be open for visual inspection for leaks. The BGT bottom is elevated a minimum of six inches above the underlying ground surface and the BGT is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.
- 9. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall equip BGTs designed in this manner with a properly operating automatic high level shut-off control device and manual controls to prevent overflow.
- 10. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, will ensure that the geomembrane liner consists of 30-mil flexible PVC of 60-mil HDPE liner, or an equivalent liner material that the appropriate division district office approves. The geomembrane liner shall have a hydraulic conductivity no greater than 1 x 10⁻⁹ cm/sec. The geomembrane liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidic and alkaline solutions. The liner material shall be resistant to ultraviolet light. Liner compatibility shall comply with EPA SW-846 Method 9090A.
- 11. The general specification for design and construction is attached as *Figure C, BGT*Design and Construction

Kimbell Oil Company of Texas

San Juan Basin

Below Grade Tank Maintenance and Operating Plan

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of a Below Grade Tank (BGT) on Kimbell Oil Company of Texas locations. This is Kimbell Oil Company of Texas standard procedure for all BGTs. A separate plan will be submitted for any BGT that Kimbell Oil Company of Texas possesses, which does not conform to this particular plan.

GENERAL PLAN:

- 1. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, will operate and maintain a BGT to contain liquids and solids to prevent contamination of fresh water and to protect public health and environment.
- Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of
 Texas, shall not allow a BGT to overflow or allow surface water run-on to enter the BGT.

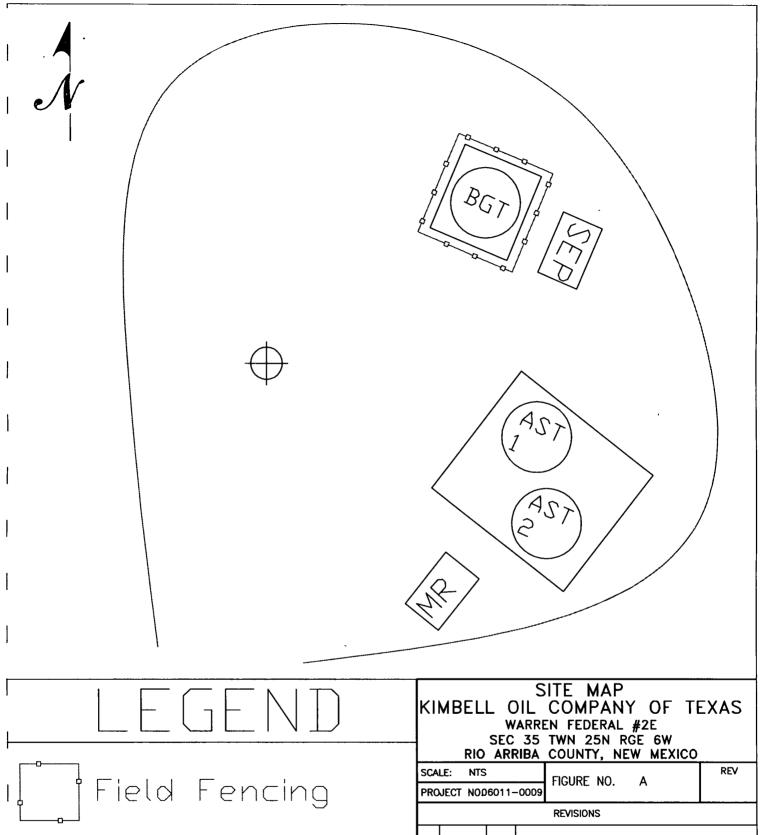
 Figure A, Site Map and Figure B, Design Plan can be referenced for a visual
 representation of how this will be accomplished.
- 3. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall continuously remove any visible or measurable layer of oil from the fluid surface of a BGT in an effort to prevent the accumulation of oil over time.
- 4. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall inspect the BGT at least once monthly and maintain a written record of each inspection for at least five (5) years.
- 5. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall maintain adequate freeboard to prevent overtopping of the BGT.
- 6. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall perform upgrades on the BGT in order to bring it to compliance with Rule 19.15.17, see *Figure C, Below Grade Tank Design and Construction*

7. Kimbell Oil Company of Texas, or a contractor representing Kimbell Oil Company of Texas, shall maintain an expanded metal covering on the BGT.

Figure A, Site Map

Figure B, Design Plan

Figure C, Below Grade Tank Design and Construction

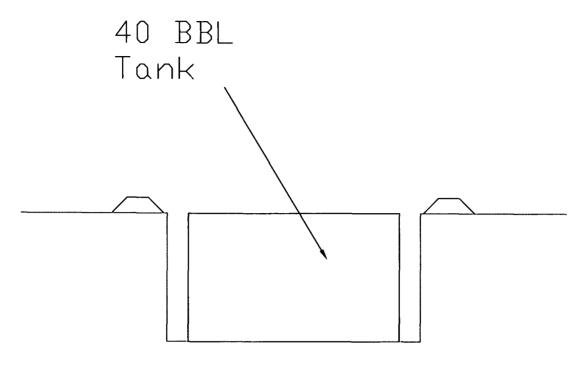


Berm

Well Head

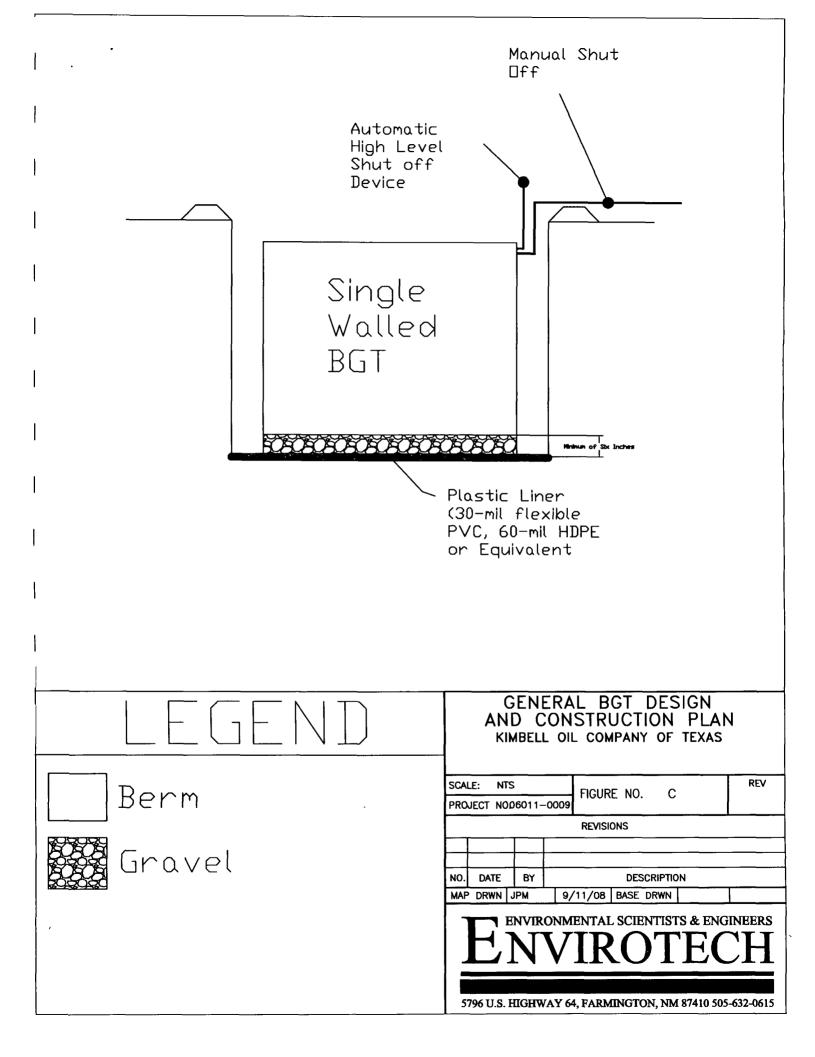
NO. DATE DESCRIPTION MAP DRWN JPM 9/12/08 BASE DRWN

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615



*Berm completed around BGT

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LEGEND	DESIGN PLAN KIMBELL OIL COMPANY OF TEXAS WARREN FEDERAL #2E SEC 35 TWN 25N RGE 6W RIO ARRIBA COUNTY, NEW MEXICO				
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BELOW GRADE TANK (BGT) CLOSURE PLAN

SITE NAME:

WARREN FEDERAL #2E
UNIT LETTER H, SECTION 35, TOWNSHIP 25N, RANGE 6W
RIO ARRIBA COUNTY, NEW MEXICO
LATITUDE N 36.35907 LONGITUDE W 107.431404

SUBMITTED TO:

MR. BRANDON POWELL
NEW MEXICO OIL CONSERVATION DIVISION
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 EXT 15

SUBMITTED BY:

MR. JON STICKLAND KIMBELL OIL COMPANY OF TEXAS 777 TAYLOR STREET, SUITE P-IIA FORT WORTH, TX 76102 (817) 335-2591

SEPTEMBER 2008

BELOW GRADE TANK (BGT) CLOSURE PLAN KIMBELL OIL COMPANY OF TEXAS WARREN FEDERAL #2E RIO ARRIBA COUNTY, NEW MEXICO

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INTRODUCTION

Kimbell Oil Company of Texas is submitting this closure plan for the below grade tank (BGT) at the Warren Federal #2E located in the SE ¼ NW ¼ of Section 35, Township 25N, Range 6W, Rio Arriba County, New Mexico. This closure plan has been prepared in conformance with New Mexico Oil Conservation Division (NMOCD) procedures.

SCOPE OF CLOSURE ACTIVITIES

The purpose of this closure plan is to provide the details of activities involved in the closure of the BGT at the Hanson #1 well site. The following scope of closure activities has been designed to meet this objective:

- 1) Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas shall submit a closure plan to the division's environmental bureau. Upon receipt of this plan the division shall review the current closure plan for adequacy and accordance with 19.15.17.9 Subsection C NMAC and 19.15.17.13 NMAC.
- 2) No less than 72 hours and no greater than one (1) week prior to BGT removal, Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas will provide written notification to the appropriate division district office as well as a schedule of on-site activities, as in accordance with 19.15.17.13 Subsection J Paragraph (2) NMAC.
- 3) Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas shall provide written notification to the surface owner no later than 72 hours prior to BGT removal by certified mail. BLM will receive notification per a Sundry Notice, as in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC.
- 4) Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas will remove all liquids, and/or sludge, if applicable, prior to closure. Material will be disposed of at Envirotech Landfarm #2, Permit # NM-01-0011, or with Basin Disposal for Water Disposal, depending on the consistence of the material removed, as in accordance with 19.15.17.13 Subsection E Paragraph (1) NMAC.
- 5) Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas will remove the BGT and all on-site equipment associated with the BGT, that cannot or will not be reused on-site, as in accordance with 19.15.17.13 Subsection E Paragraphs (2) and (3) NMAC.
- 6) Once the BGT is removed, a five (5) point composite sample will be collected from directly below the tank or below the leak detection system if present. An additional discrete sample will be collected from any area that is wet, discolored, or showing other evidence of a release. All samples being collected will be analyzed for benzene and total BTEX via USEPA Method 8021, TPH via USEPA Method 418.1, and chlorides via USEPA 300.1, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.

- 7) The area will be either backfilled or the area will be excavated, in accordance with the following:
 - a. If soil samples pass the regulatory standards of 0.2 ppm benzene, 50 ppm BTEX, 100 ppm TPH, and 250 ppm or background concentration of chlorides, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC, then:
 - i. Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas will backfill the excavation or impacted area with non-waste containing, earthen material, in accordance with 19.15.17.13 Subsection E Paragraph (6) NMAC.
 - ii. Upon decommissioning of the well site Kimbell Oil Company of Texas or a contractor acting on behalf of Kimbell Oil Company of Texas will construct a division-prescribed soil cover, substantially restore, recontour and re-vegetate the site, in accordance with 19.15.17.13 Subsections G, H, and I NMAC. The soil cover for closures, where the operator has removed the pit contents or remediated the contaminated soil to the division's satisfaction, shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The operator shall construct the soil cover to the site's existing grade and prevent ponding of water and erosion of the cover material. The operator shall notify the division when it has been re-seeded and when it has achieved successful re-vegetation.
 - b. If soil samples exceed the regulatory standards stated above.
 - i. Kimbell Oil Company of Texas will submit a Release Notification by Form C-141 to the appropriate division district office, in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
 - ii. Activities beyond this point will be in accordance with 19.15.3.116 NMAC and 19.15.11.19 NMAC.

REPORTING

Reporting will occur within 60 days following the BGT closure and will consist of a form C-144 with all supporting data, and a form C-141 with all supporting data, if necessary. The supporting data will include analytical results, a site diagram, a copy of the site owner notification, and other information related to the onsite activities.

We appreciate the opportunity to be of service. If you have any questions or require further information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully Submitted:

Kimbell Oil Company of Texas