District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144 Revised June 6, 2013

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

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

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
faction: Delow grade tank registration

Permit of a pit or proposed alternative method  Closure of a pit, below-grade tank, or proposed alternative method  Modification to an existing permit/or registration	
Closure plan only submitted for an existing permitted or non-permitted pit, or proposed alternative method	below-grade tank,
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alterna	ative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface venturionment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's	water, ground water or the rules regulations or ordinances.
Operator: WHITING OIL & GAS CORPORATION OGRID #: 25078	OEIVED OCU
Address: 400 W ILLINOIS STE 1300 MIDLAND, TEXAS 79701	1/5
Facility or well name: LEWIS 1928 04 WELL # 1	
API Number: 30-021-20647 OCD Permit Number: 186146	ا ح
U/L or Qtr/Qtr F Section _04 _ Township19N Range28E County: HARDING COUNTY	2 (2)
Center of Proposed Design: Latitude 35.907997 Longitude -103.975103 NAD:   ☑1927 ☐ 1983	03
Surface Owner: ☐ Federal ☐ State 🔀 Private ☐ Tribal Trust or Indian Allotment	
Pit: Subsection F, G or J of 19.15.17.11 NMAC  Temporary:  □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Multi-Well Fluid Management □ Low Chloride Drilling □ Lined □ Unlined □ Liner type: Thickness □ mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other □ Volume: □ bbl Dimensions: L□  3. □ Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: □ bbl Type of fluid: □ Tank Construction material: □ Secondary containment with leak detection □ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off □ Visible sidewalls and liner □ Visible sidewalls only □ Other  Liner type: Thickness □ mil □ HDPE □ PVC □ Other  4.	x W x D
Alternative Method:  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 reside institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify	nce, school, hospital,

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 19.15.16.8 NMAC	
8.  Variances and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:  Uariance(s): Requests must be submitted to the appropriate division district for consideration of approval.  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptance are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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. ( <b>Does not apply to below grade tanks</b> )  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	☐ Yes ☐ No
<ul> <li>application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.  NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do 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   Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC   Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC   Previously Approved Design (attach copy of design)   API Number:   or Permit Number:   or Permit Number:	NMAC  15.17.9 NMAC
11.	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  A List of wells with approved application for permit to drill associated with the pit.  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC  Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Previously Approved Design (attach copy of design) API Number:  or Permit Number:	9.15.17.9 NMAC

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 description is the standard of the following items must be attached to the application.	locuments 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	
<ul> <li>□ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>□ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>□ Quality Control/Quality Assurance Construction and Installation Plan</li> </ul>	
☐ 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	
<ul> <li>□ Nuisance or Hazardous Odors, including H₂S, Prevention Plan</li> <li>□ Emergency Response Plan</li> <li>□ Oil Field Waste Stream Characterization</li> </ul>	
<ul> <li>☐ Monitoring and Inspection Plan</li> <li>☐ Erosion Control Plan</li> <li>☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC</li> </ul>	
13.	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl Alternative Proposed Closure Method: Waste Excavation and Removal	uid Management Pit
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	
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 C of 19.15.17.13 NMAC	
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC	
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	ce material are Please refer to
Ground water is less than 25 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - 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
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
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; Wri		
with community of vermeation from the mainerpainty, with	tten approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMN	RD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau Society; Topographic map	of Geology & Mineral Resources; USGS; NM Geological	□ Vas□ Na
Within a 100-year floodplain. FEMA map		☐ Yes ☐ No☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Notice - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate requirements of Surface Owner Design - based upon the appropriate	ropriate requirements of 19.15.17.10 NMAC irements of Subsection E of 19.15.17.13 NMAC upon the appropriate requirements of Subsection K of 19.15.17.16 a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC ropriate requirements of 19.15.17.13 NMAC rements of 19.15.17.13 NMAC fluids and drill cuttings or in case on-site closure standards cannot subsection H of 19.15.17.13 NMAC Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC
17.		
Operator Application Certification:		
I hereby certify that the information submitted with this application is t	rue, accurate and complete to the best of my knowledge and bel	lief.
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	
18.  OCD Approval: Permit Application (including closure plan)	Closure Plan (only) OCD Conditions (see attachment)	/ /
OCD Approval: Permit Application (including closure plan)	Closure Plan (only) OCD Conditions (see attachment)  Approval Date: 04/	20/15
OCD Approval: Permit Application (including closure plan)  OCD Representative Signature:	Approval Date: 04/	120/15
OCD Approval: Permit Application (including closure plan)  OCD Representative Signature:  Title: Environmental Engineer	Closure Plan (only) OCD Conditions (see attachment)  Approval Date: OCD Permit Number:	120/15
OCD Approval: Permit Application (including closure plan)  OCD Representative Signature:	Approval Date:	g the closure report.
OCD Approval: Permit Application (including closure plan)  OCD Representative Signature:  Title: Environmental Engineer  19.  Closure Report (required within 60 days of closure completion): 19.  Instructions: Operators are required to obtain an approved closure parties closure report is required to be submitted to the division within 60.	Approval Date: Office of the closure activities and submitting days of the completion of the closure activities. Please do not	g the closure report.
OCD Approval: Permit Application (including closure plan)  OCD Representative Signature:  Title: Princer  19.  Closure Report (required within 60 days of closure completion): 19.  Instructions: Operators are required to obtain an approved closure plan the closure report is required to be submitted to the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the form until an approved closure plan has been obtained of the division within 60 section of the division within 60 section of the division within 60 section of the division within 60 sect	Approval Date:	g the closure report. I complete this

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): KAY MADDOX Title: REGULATORY SUPERVISOR

Signature:

Date: 3/23/2015

e-mail address: KAY,MADDOX@WHITING.COM Telephone: 432.686.6709

### WHITING OIL AND GAS CORPORATION PIT CLOSURE REPORT

LEWIS 1928 04 Well #1 API NO 30-021-20647

1) The pit will be closed within six (6) months from the date that the drilling or workover rig is released. If necessary, the division district office may grant an extension not to exceed three (3) months.

### The Drlg rig was released 08/18/2014 – pit was closed 2/09/2015

2) Surface Owners will be notified by Certified mail at least 72 hours but not more than one week prior to closure of the Temporary pit. The notice shall include well name, API number and location.

### Reference attached notification

3) The Appropriate Division District Office (OCD) will be notified verbally and in writing at least 72 hours but not more than one week prior to closure of the Temporary pit. The notice shall include well name, API number and location.

### NMOCD was notified via email - reference attached copy of email

4) If on site burial is on PRIVATE LAND, Whiting will file a deed notice identifying the exact location of the onsite burial with the county clerk in county where onsite burial occurs

### **Certified Recorded Deed Notice attached**

5) All liquids from the pit will be removed prior to closure. Liquids will be disposed of at the Sundance Services, Inc. Parabo Disposal Facility (Permit No. 010003), unless they are recycled, reused, or reclaimed in a division district office-approved manner.

### Liquids from pit evaporated, no removal was required.

6) The pit will be stabilized with clean non-waste containing earthen material with a ratio no more then 3:1

Pit was stabilized with non-waste containing earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and Mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.

- 7) After stabilization, the contents of the pit will be tested to determine whether concentrations are below standards. A five-point composite sample will be collected. The samples will be sent to an approved laboratory and analyzed for benzene, total BTEX, TPH, the GRO and DRO combined fraction, and chlorides. <u>Assuming water could be encountered around 100'</u>, the following should not be exceeded:
  - Chlorides (ads determined by EPA method 300.1): 40,000 mg/kg or background concentration, whichever is greater
  - TPH (EPA SW-846 method 418.a or other division-approved EPA method): 2500 mg/kg.
  - GRO and DRO combined fraction (EPA SW-846 method 8015M): 1000 mg/kg.
  - BTEX (EPA SW-846 method 8021B or 8260B or other approved EPA method): 50 mg/kg
    - Benzene (EPA SW-846 method 8021B or 8260B or other approved EPA method): 10 mg/kg

### A five point composite sample was taken of the pit using sample tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b) results attached.

8) If the contents are above the concentration limits after stabilization Whiting will comply with 19.15.17.13.C (Waste Excavation and Removal)

### Not necessary

9) If it is determined that contents of the pit doesn't exceed the above-specified concentrations, the pit will be covered with compacted, non-waste-containing, earthen material. A division-prescribed soil cover will be constructed and the site will be re-contoured and re-vegetated, per Subsections D, E, F, G, H, of 19.15.17.13 NMAC

### The pit material passed solidification and testing standards. The pit area was then back filled with compacted, non-waste containing earthen material.

10) All areas associated with the pit that are no longer being used will be substantially restored to the condition that existed prior to oil and gas operations by placement of the soil cover recontouring to match original contours and surrounding topography, and re-vegetating.

### This was done - please see attached pictures

11) If an alternative to the re-vegetation requirements is required to prevent erosion, protect fresh water, or protect human health and the environment, this alternative will be proposed to the surface owner. The proposed alternative, with written documentation demonstrating that the surface owner approves the alternative, will be submitted to the division for approval.

### No alternative is required

12) Soil cover will consist of 4' of non-waste containing earthen material with chloride concentrations less than 600mg/KG including 1' of topsoil

### Four feet of non-waste earthen cover was achieved including one foot of suitable material to establish vegetation.

13) All contents, including synthetic pit liners, will be buried in place. By folding outer edges of the pit liner to overlap waste material, and then installing a geomembrane liner cover that is 20 mil string reinforced LLDPE, synthetic material, impervious, resistant to ultra violet light, petroleum hydrocarbons, salts, acid and alkaline.

### These was done including placing a 20 mil LLDPE liner cover

14) Soil cover will be constructed to the site's existing grade and will prevent ponding of water and erosion of the cover material.

### This was done – reference attached photos

15) The first favorable growing season following pit closure, all disturbed areas associated with the pit and no longer being used will be seeded or planted.

### This area will be re-seeded during the next growing season in this area

### - reference attached letter

16) Seeding will be accomplished by drilling on the contour whenever practical, or by other division-approved methods. Vegetative cover will be considered complete when there is a life form ratio of +/- 50% of pre-disturbance levels with at least 70% total plant cover of pre-disturbance level (Excluding Noxious Weeds) OR in accordance to 19.15.17.13.H.5.d

### This will be done during the next growing season in this area

17) Seeding or planting will be repeated until the required vegetative cover is successfully achieved.

### Whiting will comply

- 18) When conditions aren't favorable for the establishment of vegetation (such as during periods of drought), the division will be contacted for approval to delay seeding or planting, or for approval to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing, etc. **Attached letter**
- 19) The division will be notified when seeding or planting is completed, and when successful revegetation has been achieved.

### Whiting will comply

- 20) Place a steel marker at the center of the onsite burial. The marker shall be 4" diameter, at least 4' high and cemented 3' deep. The following will be welded, stamped or otherwise permanently engraved into the marker; operator name, lease name, well number and location, unit letter, section, township, range, and that the marker designates an onsite burial **Reference attached pictures**
- 21) Within 60 days of closure, completion, a closure report will be submitted on form C-144, with necessary attachments, to document closure activities, including sampling results, a plot plan, and backfilling details. In this closure report, Whiting will certify that all information in the report and attachments is correct and that Whiting has complied with all applicable closure requirements and conditions specified in the approved Closure Plan. A plat of the temporary pit location will be provided on form C-105.



January 30, 2015

Linda Lewis 141 Lewis Road Mosquero, New Mexico 87733

RE: Notification to Surface Owner of On-Site Drilling Pit Closure Plan

Wells:

02/09/2015

Lewis 1928 04 Well #1 - 30-021-20647 located in section 04, T19N, R28E Harding County, NM

This letter is to notify you that Whiting Oil & Gas proposes to close and remediate the surface land on or around 02/09/2015 weather permitting. The pit will be closed according to all rules and regulations noted in Subsection E of 19.15.17.13 NMAC.

If you have any additional question please contact Kay Maddox @ 432.686.6709.

**Regulatory Supervisor** 

Mailed by certified mail to above listed party on this the 9th day of February, 2015

7 011 3500 0002 4991 1809
Signed: Kay Maddox- Regulatory Supervisor Certified Mail Number

### **Kay Maddox**

From:

Kay Maddox

Sent:

Friday, January 30, 2015 3:06 PM

To:

Lowe, Leonard, EMNRD (Leonard.Lowe@state.nm.us)

Cc:

Jones, William V, EMNRD (William V. Jones@state.nm.us)

Subject:

Closed Pits

Whiting plans on closing these two temporarily pits on 02/09/2015 and 02/10/2015

Lewis 1928 04 Well #1 30-021-20647 Section 4, T19N, R28E Harding County, NM Released Rig 8/18/2014

Dahl 1927 12 Well # 1 30-021-20649 Section 12, T12N, R27E Harding, NM Released Rig 09/03/2014

### **Kay Maddox**

Regulatory Supervisor
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
400 West Illinois Avenue, Suite 1300
Midland, TX 79701
Direct (432) 686-6709
Cell (432) 638-8475
kay.maddox@whiting.com

### www.whiting.com

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### STATE OF NEW MEXICO

### **COUNTY OF HARDING**

### **NOTICE OF PIT CLOSURE**

In accordance with Section 19.15.17.13.E.4 of the NMOCD , the operator hereby provides notice of an on-site burial of a temporary Oil & Gas drilling pit. All rules and regulations of Rule 19.15.17 have been adhered to.

Lease name:

LEWIS 1928 04

Well No:

1

API No:

30-021-20647

TWN & RGE:

TWN 19N RGE 28E Section 4

Unit Letter:

F

Footages:

1660 FNL & 1660 FWL

Date of Closure:

02/09/2015

IN WITNESS WHEREOF, the recordation notice of Pit Closure/burial has been executed on the date indicated below by undersigned.

Whiting Petroleum Corporation And its wholly owned subsidiary Whiting Oil & Gas Corporation

Kay Maddox ≠ Regulatory Supervisor

STATE OF TEXAS
COUNTY OF MIDLAND

This instrument was acknowledged before me this 10TH day of JANUARY, 2015, by

Kay Maddox on behalf of Whiting Oil & Gas Corporation.

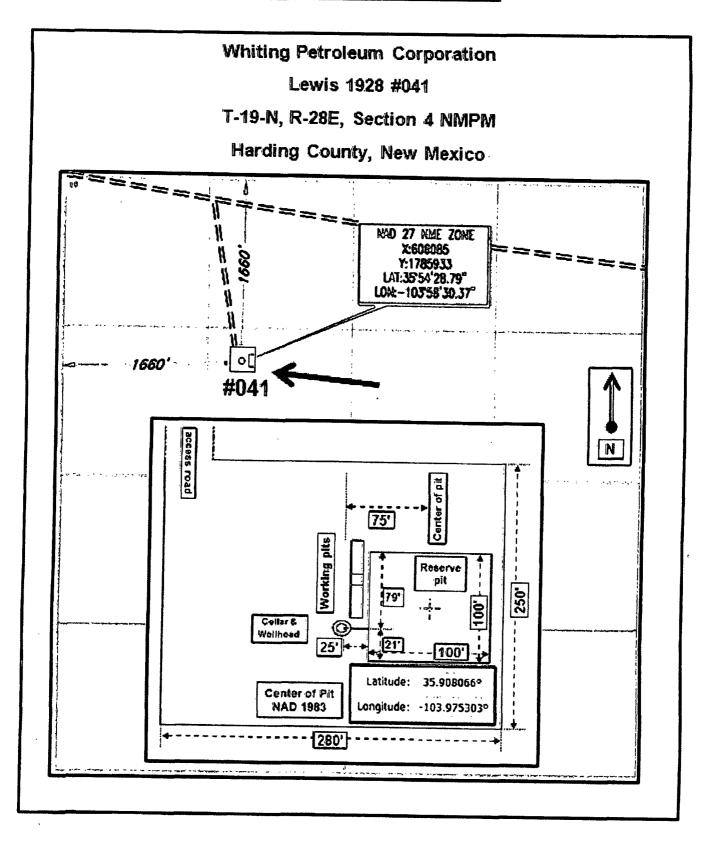
Sheila A. Shanks
Notary Public,
State of Texas
Comm. Exp. 04-21-15

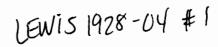
Notary Public

HARDING COUNTY, NM RECEPTION# 20975 02/27/2015 10:28:53 AM BK 19 PAGE 11211 1 of 1

BY CJ GARRRISON, DEPUTY

### OCD Form C-144: Supporting Data







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

November 21, 2014

DANNY HOLCOMB
WHITING OIL & GAS
400 W. ILLINOIS, SUITE 1300
MIDLAND, TX 79701

RE: WEST BRAVO DOME

Enclosed are the results of analyses for samples received by the laboratory on 11/14/14 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab-accred-certif.html">www.tceq.texas.gov/field/qa/lab-accred-certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701

Fax To: NONE

Received:

DTEV SOCIE

11/14/2014

11/21/2014

Sampling Date:

11/12/2014

Reported:

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

ma/ka

Sample Received By:

Jodi Henson

Project Location:

HARDING COUNTY NM

### Sample ID: DAHL 1927 #121 (H403505-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2014	ND	1.83	91.4	2.00	8.21	
Toluene*	<0.050	0.050	11/17/2014	ND	1.76	88.2	2.00	6.70	
Ethylbenzene*	<0.050	0.050	11/17/2014	ND	1.75	87.4	2.00	6.66	
Total Xylenes*	< 0.150	0.150	11/17/2014	ND	5.27	87.9	6.00	6.78	
Total BTEX	<0.300	0.300	11/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 61-154	!			,			
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	ND	400	100	400	0.00	
TPH 418.1	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	915	100	11/21/2014	ND	5570	111	5000	1.97	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/15/2014	ND	187	93.7	200	3.04	
DRO >C10-C28	24.6	10.0	11/15/2014	ND	191	95.6	200	4.30	
Surrogate: 1-Chlorooctane	126 9	% 47.2-15°	7				A STATE OF THE STATE OF THE STATE OF		Programme - se se los per-
Surrogate: 1-Chlorooctadecane	136 9	% 52.1-170	5						

Analyzed By me

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and citent's exclusive remedy for any claim nising, whether based in contract or tort, shall be finited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (20) days after completion of the applicable cervice. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its distances or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with mittern approval of Cardinal Laboratories.

Calley T. Kanna



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701

Fax To: NONE

Received:

11/14/2014

Sampling Date:

11/12/2014

Reported:

11/21/2014

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

HARDING COUNTY NM

### Sample ID: STATE 1928 #161 (H403505-02)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2014	ND	1.83	91.4	2.00	8.21	
Toluene*	<0.050	0.050	11/17/2014	ND	1.76	88.2	2.00	6.70	
Ethylbenzene*	<0.050	0.050	11/17/2014	ND	1.75	87.4	2.00	6.66	
Total Xylenes*	<0.150	0.150	11/17/2014	ND	5.27	87.9	6.00	6.78	
Total BTEX	<0.300	0.300	11/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.5	% 61-154							W. 10
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	11/14/2014	ND	400	100	400	0.00	
TPH 418.1	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	497	100	11/21/2014	ND	5570	111	5000	1.97	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/15/2014	ND	187	93.7	200	3.04	
DRO >C10-C28	<10.0	10.0	11/15/2014	ND	191	95.6	200	4.30	
Surrogate: 1-Chlorooctane	126 9	6 47.2-157	7	ragi (Mill) and hashe many ( ) ( ) I have been specific (Mill) and have a		to annually at the control of the same	A CONTROL OF THE STREET, CONTROL OF THE STREE		
Surrogate: 1-Chlorooctadecane	141 9	6 52.1-170	s						

Cardinal Laboratories

\*=Accredited Analyte

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Celley to trains



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701

Fax To: NONE

Received:

11/14/2014

11/21/2014

Sampling Date:

11/12/2014

Reported:

1/21/2014

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodí Henson

Project Location:

HARDING COUNTY NM

### Sample ID: STATE 2028 #361 (H403505-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2014	ND	1.83	91.4	2.00	8.21	
Toluene*	<0.050	0.050	11/17/2014	ND	1.76	88.2	2.00	6.70	
Ethylbenzene*	< 0.050	0.050	11/17/2014	ND	1.75	87.4	2.00	6.66	
Total Xylenes*	< 0.150	0.150	11/17/2014	ND	5.27	87.9	6.00	6.78	
Total BTEX	<0.300	0.300	11/17/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.6	% 61-154	!						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	144	16.0	11/14/2014	ND	400	100	400	0.00	
TPH 418.1	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
TPH 418.1	482	100	11/21/2014	ND	5570	111	5000	1.97	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Biank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	11/15/2014	ND	187	93.7	200	3.04	
DRO >C10-C28	<10.0	10.0	11/15/2014	ND	191	95.6	200	4.30	
Surrogate: 1-Chlorooctane	119%	6 47.2-15	7	***************************************		The second decision of the second decision of the			
Surrogate: 1-Chlorooctadecane	132 %	6 52.1-176	5						

Cardinal Laboratories

\*=Accredited Analyte

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Celley & Kuna

Celey D. Keene, Lab Director/Quality Manager



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701 Fax To: NONE

Received:

11/14/2014

Reported:

11/21/2014

Project Name:

WEST BRAVO DOME

Project Number:

NONE GIVEN

Project Location:

HARDING COUNTY NM

Sampling Date:

11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

### Sample ID: GALVESTON 2028 #291 (H403505-04)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2014	ND	1.83	91.4	2.00	8.21	
Toluene*	<0.050	0.050	11/18/2014	ND	1.76	88.2	2.00	6.70	
Ethylbenzene*	<0.050	0.050	11/18/2014	ND	1.75	87.4	2.00	6.66	
Total Xylenes*	<0.150	0.150	11/18/2014	ND	5.27	87.9	6.00	6.78	
Total BTEX	<0.300	0.300	11/18/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.6	% 61-154	(						
Chloride, SM4500Cl-B	mg	'kg	Analyze	d By: AP		<u> </u>			WILL - 10 - 1 - 1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/14/2014	ND	400	100	400	0.00	
TPH 418.1	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	328	100	11/21/2014	ND	5570	111	5000	1.97	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/15/2014	ND	187	93.7	200	3.04	
DRO >C10-C28	<10.0	10.0	11/15/2014	ND	191	95.6	200	4.30	
Surrogate: 1-Chlorooctane	1189	% 47.2-15	7	- Mindred Route II - A deven 1 Mills		er ammelligen i van en ammelligen i de en en ammelligen i de	- 20.000 10.000 10.000		
Surrogate: 1-Chlorooctadecane	129	% 52.1-170	6						

Cardinal Laboratories

\*=Accredited Analyte

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Calley To train a

Celey D. Keene, Lab Director/Quality Manager



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701

Fax To: NONE

Received:

11/14/2014

Sampling Date:

11/12/2014

Reported:

11/21/2014

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

HARDING COUNTY NM

Sample ID: LEWIS 1928 #041 (H403505-05)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2014	ND	1.83	91.4	2.00	8.21	
Toluene*	0.084	0.050	11/18/2014	ND	1.76	88.2	2.00	6.70	
Ethylbenzene*	<0.050	0.050	11/18/2014	ND	1.75	87.4	2.00	6.66	
Total Xylenes*	<0.150	0.150	11/18/2014	ND	5.27	87.9	6.00	6.78	
Total BTEX	<0.300	0.300	11/18/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.3	% 61-154	-						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	11/17/2014	ND	400	100	400	3.92	
TPH 418.1	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	565	100	11/21/2014	ND	5570	111	5000	1.97	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/14/2014	ND	212	106	200	1.79	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	213	107	200	1.12	
Surrogate: 1-Chlorooctane	123 9	6 47.2-157	7				4/- 11-12-12-12-12-12-12-12-12-12-12-12-12-1		
Surrogate: 1-Chlorooctadecane	121 9	6 52.1-176	5						

Cardinal Laboratories

\*=Accredited Analyte

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alex to Kenne



### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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Celeg to Kana



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

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			8.		ERV SAMPLING	PRESERV	MATRIX			ľ	CHO JEST BY LINGS
						Fax #:			É	Denny Holcomb	Sampler Name:
					ñ	Phone #:			Z	Hading Co. NA	Project Location:
		ALBOR PROPERTY	-	79701	State: ( y Zip: 70	State:			ķ	West Brown Dome	Project Name:
					city: Midlend	city: 13			Project Owner:	THE PLANE	Project #: Wast
			1300	5,50.7	Address: 400 W. Tilipois, Shift	Address			Fax #:	806-471-562B F	Phone #: 806-4
	A section (			ř	Attn: Gery Bullock	Attn: G	79701		State: [ x Zip:	<u>6</u>	city: Midland
				130	Company: Whiting U. 1 S Gos	Compan		0	Swife 13	W. Illinois, Suite 1300	Address: 400 W
						P.O. #			daughte	Robert Ma	Project Manager:
REQUEST	ANALYSIS R				BILL TO	.,.	,		5005	Sytia O	Company Name:
									0 143-060 10	21 21 22 E 22 C 1 22 (31 2) 23 E 21 C	14

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Sample Condition Cool mact Pres 1 res No No

† Cardinal cannot accept verbal changes. Please fax written changes 10 (575) 393-2328

Whiting Oil & Gas Corporation West Bravo Dome Pit Sample Results

		Thresholds								Results						
	Groundwater	Groundwater Groundwater Groundwater	Groundwater	Lewis	Lewis	Lewis Lewis	Lewis	Galveston Miera	Miera	Miera	Miera	Dahl 1927 State	State	State	Galveston Lewis	Lewis
Analyte	at 25-50 ft	at 25-50 ft at 51-100 ft at > 100 ft	at > 100 ft	1928 #051	2028 #321	2028 #331	2028 #341	2028#321 2028#331 2028#341 1928#011 2130#352 2130#353 2130#354 #121	2130 #352	2130 #353	2130 #354	#121	1928 #161	2028 #361	1928 #161 2028 #361 2028 #291 1928 #041	1928 #041
Benzene	10	10	10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total BTEX	20	20	20	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chlorides	20,000	40,000	80,000	32	144	736	160	512	592	304	925	<16	3,880	144	160	704
표	100	2500	2500	140	208	681	314	280	622	239	182	915	497	482	328	265
GRO	1000	1000	1000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
DRO	1000	1000	1000	<10	12.7	<10	<10	<10	<10	<10	<10	24.6	<10	<10	√10	<10
Sample Delivery Date	ery Date			10/9/14	10/9/14	10/9/14	10/9/14	10/9/14	10/9/14	10/9/14	10/9/14	11/14/14	11/14/14	11/14/14	11/14/14	11/14/14

Samples delivered to Cardinal Labs (Hobbs) 10/9/14

Version120804

### WHITING OIL & GAS CORPORATION

### **Workover and Completion Report**

Csg:	5.5" 15.5# J	J-55	Liner:			None			
Rods:	None		Perfs:	2746'-275	6', 275	9'-2765'		S. 新田田 (1981年) 1987年 (1982年) 1987年 (1982年)	
Гbg:		85 JTS 2 3/	8 EUE 8 RD BLUE BANI	4.7 W/ KC L	ining (2	2700')	, Ç	lick to Calc. HF	? - Hre
GHG Gas Vol(Mcf)	Dur. Hrs	mcf/d	gas !	Gas Vo			Produc Metho	- ,	
Total Rig Hrs: 0		y Activity	GHG Event Total HP/ (Units > 130 HP)		1	####	hre L	Inits <= 130 HP (Count)	
II Hartley Construction over outside edges of p lirt cover, spread topso 1/10/15 Install 4.5" OD steel pit	it liner bottom, il on top, MO burial marker	, cover cuttings dirt equipment. in center of pit	serve pit closure per NM: with new 20 mil LLDPE NMOCD notified and Mi burial (set in concrete), ill reseed pit closure area	iner cap, cove . Leonard Lov	er new l ve was	iner cap present	wire fenci	ng and posts.	
II Hartley Construction ver outside edges of p irt cover, spread topso /10/15 nstall 4.5" OD steel pit	it liner bottom, if on top, MO burial marker within next two	, cover cuttings dirt equipment. in center of pit o weeks and wi	with new 20 mil LLDPE NMOCD notified and Mi burial (set in concrete). ill reseed pit closure area	iner cap, cove . Leonard Lov	er new l ve was	iner cap present	wire fenci with a m	ng and posts.	
over outside edges of p lirt cover, spread topso 2/10/15 Install 4.5" OD steel pit	it liner bottom, if on top, MO burial marker within next two	, cover cuttings dirt equipment. in center of pit o weeks and wi	with new 20 mil LLDPE NMOCD notified and M burial (set in concrete).	iner cap, cove . Leonard Lov	er new l ve was	iner cap present	wire fenci with a m	ng and posts.	

Costs:			
Expense Account Codes	Capital Account Codes	<u>Comments</u>	<u>Amount</u>
	811.94 Contract Services and Equip	omer Hartley Construction	\$ 9,857

Daily Total:

9,857

Prev. Total:

Cum. Total: \$ 9,857



February 14, 2015

Mr. Leonard Lowe New Mexico Oil Conservation Division 1220 S. St. Francis Dr Santa Fe, NM 87505

RE: Pit Closure

Dear Mr. Lowe,

Whiting Oil & Gas shall re-seed the disturbed Pit area for the well listed below. The re-seeding shall occur in the next rainy season documented for Harding County, New Mexico approximately August/September 2015.

If you have additional question please contact me @ 432.686.6709 or <a href="mailto:kay.maddox@whiting.com">kay.maddox@whiting.com</a> Thank you for your time.

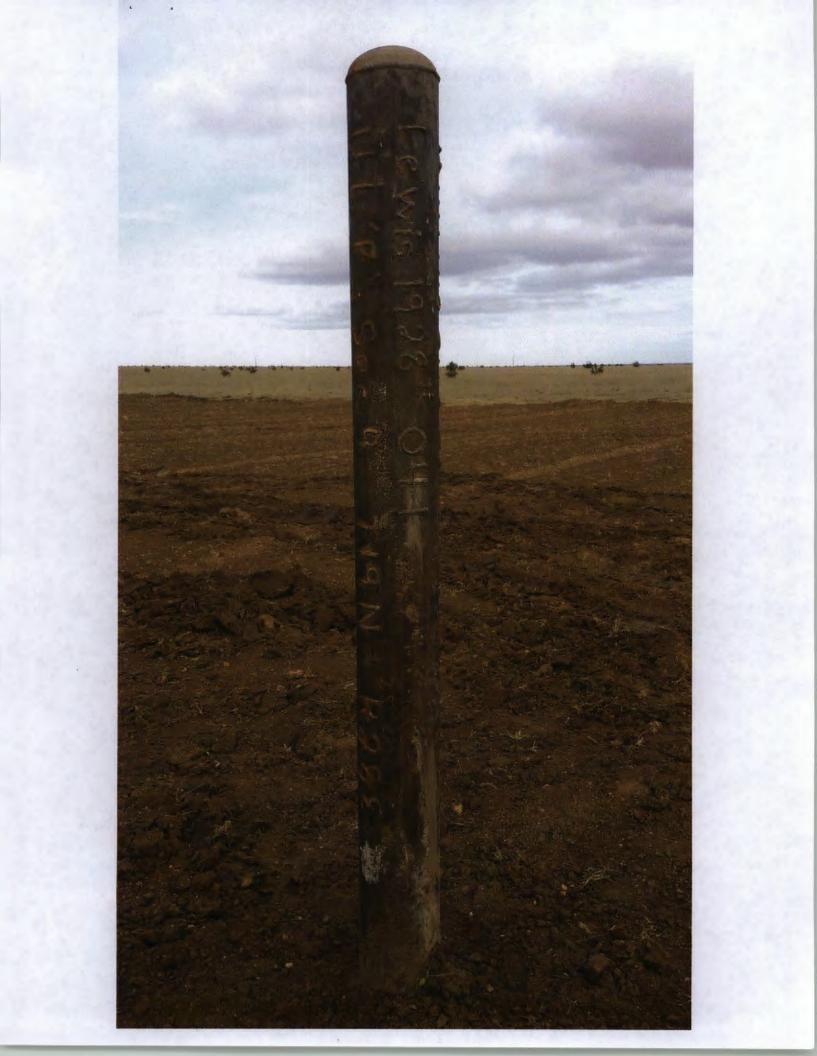
Sincerely.

Kay Maddox

**Regulatory Supervisor** 

LEWIS 1928 04 Well # 1 30-021-20647 Harding County, New Mexico





Lien porting half

Tien pooking south

Krew Jook Mark

Niew Lookmanest