

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Balazos 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

12367 Proposed Alternative Method Permit or Closure Plan Application

Type of action: Below 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, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. OIL CONS. DIV DIST. 3
Operator: Whiting Oil & Gas Corp OGRID #: 25078
Address: 400 W. Illinois, Suite 1300, Midland, Texas 79701
Facility or well name: State 2229 #36-1
API Number: 30-021-20598 OCD Permit Number: _____
U/L or Qtr/Qtr F Section 36 Township 22-N Range 29-E County: Harding
Center of Proposed Design: Latitude 36.0957024 Longitude -103.8061726 NAD: 1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2. **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 Fluid yes no
 Lined Unlined Liner type: Thickness 20 mil LLDPE HDPE PVC Other _____
 String-Reinforced Liner Seams: Welded Factory Other _____ Volume: 10,700 bbl Dimensions: L 100' x W 100' x D 6'

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. **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5. **Fencing:** Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
 Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)
 Four foot height, four strands of barbed wire evenly spaced between one and four feet
 Alternate. Please specify _____

RECEIVED OGD
NOV 22 AM 11:00

36

6.

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)

7.

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.

Variations 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:

Variance(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 acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

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
 NA

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. **(Does not apply to below grade tanks)**

- 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

Within an unstable area. **(Does not apply to below grade tanks)**

- 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. **(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 application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Yes No

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 $$ 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

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

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 documents are 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 19.15.17.9 NMAC 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: _____

12.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Climatological Factors Assessment
- Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- 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 19.15.17.12 NMAC
- Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- Nuisance or Hazardous Odors, including H₂S, Prevention Plan
- Emergency Response Plan
- Oil Field Waste Stream Characterization
- 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

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 Alternative
- Proposed Closure Method: Waste Excavation and Removal
 Waste Removal (Closed-loop systems only)
 On-site Closure Method (Only for temporary pits and closed-loop systems)
 In-place Burial On-site Trench Burial
 Alternative Closure Method

14.
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 source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

16. **On-Site Closure Plan Checklist:** (19.15.17.13 . . .C) *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 E of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K 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 19.15.17.11 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 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection 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

17. **Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Robert McNaughton Title: Sr. Operations Engineer

Signature: [Signature] Date: 1-20-14

e-mail address: Robert.McNaughton@whiting.com Telephone: 432-413-2989

18. **OCD Approval:** Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: [Signature] Approval Date: 1/29/2014

Title: DISTRICT SUPERVISOR Environmental Spec OCD Permit
Number: _____ 12/1/14

19. **Closure Report (required within 60 days of closure completion):** 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: 11/11/2014

20. **Closure Method:**

- Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
- If different from approved plan, please explain.

21. **Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- Proof of Closure Notice (surface owner and division)
- Proof of Deed Notice (required for on-site closure for private land only)
- Plot Plan (for on-site closures and temporary pits)
- Confirmation Sampling Analytical Results (if applicable)
- Waste Material Sampling Analytical Results (required for on-site closure)
- Disposal Facility Name and Permit Number
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.095 Longitude -103.806 NAD: 1927 1983

22. **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: Reg Supervisor

Signature: [Signature] Date: 11/12/2014

e-mail address: Kay.maddox@whiting.com Telephone: 432-686-6709

**WHITING OIL AND GAS CORPORATION
PIT CLOSURE REPORT**

STATE 2229 #36-1
API NO 30-021-20598

- 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 NMOCD granted an extension to close this pit- reference attached C-103

- 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.

State was notified via email – reference attached copy of email

- 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

Pit is located on State land however a deed notice was filed – see 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 than 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. Assuming water could be encountered around 100', 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 re-contouring 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 re-vegetation 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.

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-021-20598
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name STATE 2229
8. Well Number 361
9. OGRID Number 25078
10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE GAS 640
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5455' GR

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator
WHITING OIL AND GAS CORPORATION

3. Address of Operator
400 W ILLINOIS STE 1300 MIDLAND, TX 79701

4. Well Location
Unit Letter F 1980 feet from the NORTH line and 1980 feet from the WEST line
Section 36 Township 22N Range 29E NMPM County HARDING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		<input checked="" type="checkbox"/> OTHER: Temporary Pit Closure Extension	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Whiting respectfully requests a 90 day extension on closing the pit associated with the drilling of this well pursuant to 19.15.17.13.G.2. It is currently the monsoon season in Harding County and it has been raining consistently and we are unable to drain the pit at this time in order to close it according to the rules.

granted with 11/11/2014

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Kay Maddox* TITLE: REGULATORY ANALYST DATE: 08/11/2014

Type or print name Kay Maddox E-mail address: kay.Maddox@Whiting.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Kay Maddox

From: Martin, Ed <emartin@slo.state.nm.us>
Sent: Thursday, November 06, 2014 9:46 AM
To: Kay Maddox; Smith, Cory, EMNRD
Cc: Strang, Dana V.
Subject: RE: Pit Closure - State 2229 361

Acknowledged. Thanks, Kay.

Ed Martin

New Mexico State Land Office

Oil & Gas Manager

Oil, Gas, and Minerals Division

Phone: 505-827-5746

Fax: 505-827-4739

From: Kay Maddox [<mailto:Kay.Maddox@whiting.com>]
Sent: Thursday, November 06, 2014 8:30 AM
To: Smith, Cory, EMNRD; Martin, Ed
Subject: Pit Closure - State 2229 361

Cory and Ed --

We are Planning on closing the temporary pit for the State 2229 361 API no 30-021-20598 located in Section 36, T22N, R29E, Harding County, New Mexico on/or close to 11/10/2014 -- please acknowledge receipt of this notification.

Kay Maddox
Regulatory Supervisor
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
400 West Illinois Avenue, Suite 1300

STATE OF NEW MEXICO

COUNTY OF HARDING

HARDING COUNTY, N M
RECEPTION# 20707
08/01/2014 12:56:42 PM
BK 19 PAGE 10348
1 of 1
BY CELESTE YBARRA

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: STATE 2229
Well No: 36-1
API No: 30-021-20598
TWN & RGE: TWN 22N RGE 29E Section 36
Unit Letter: F
Footages: 1980 FNL & 1980 FWL

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

PIT closed 11/11/2014

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

Kay Maddox

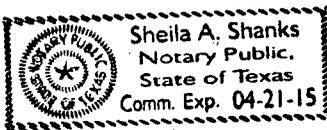
Kay Maddox – Regulatory Supervisor

STATE OF TEXAS
COUNTY OF MIDLAND

This instrument was acknowledged before me this 30th day of July, 2014, by
Kay Maddox on behalf of Whiting Oil & Gas Corporation.

Sheila A. Shanks

Notary Public





April 30, 2014

BRIAN HOLLADAY
WHITING OIL & GAS
400 W. ILLINOIS, SUITE 1300
MIDLAND, TX 79701

RE: WEST BRAVO DOME CO2

Enclosed are the results of analyses for samples received by the laboratory on 04/23/14 16:55.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: MAES 2131 #18-1 (H401230-01)

BTEX 82608		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2014	ND	2.35	118	2.00	6.15	
Toluene*	<0.050	0.050	04/29/2014	ND	2.13	106	2.00	8.09	
Ethylbenzene*	<0.050	0.050	04/29/2014	ND	2.03	102	2.00	7.15	
Total Xylenes*	<0.150	0.150	04/29/2014	ND	6.25	104	6.00	8.15	
Total BTEX	<0.300	0.300	04/29/2014	ND					

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 97.5 % 71.3-129

Surrogate: 4-Bromofluorobenzene 98.8 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/25/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1	
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	207	103	200	12.5	

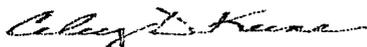
Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: MIERA 2130 #35-1 (H401230-02)

BTEX 8260B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/29/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/29/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/29/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/29/2014	ND						

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	17.8	10.0	04/25/2014	ND	207	103	200	12.5		

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: CASADOS 2030 #12-1 (H401230-03)

BTEX 82608		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/29/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/29/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/29/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/29/2014	ND						

Surrogate: Dibromofluoromethane 100 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	10.9	10.0	04/25/2014	ND	207	103	200	12.5		

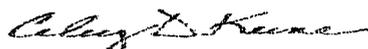
Surrogate: 1-Chlorooctane 126 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Cefey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: FOUR WAY 2031 #4-1 (H401230-04)

BTEX 82608		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/29/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/29/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/29/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/29/2014	ND						

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 99.0 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	207	103	200	12.5		

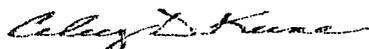
Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/23/2014
 Reported: 04/30/2014
 Project Name: WEST BRAVO DOME CO2
 Project Number: 13-1224-03
 Project Location: HARDING COUNTY, NM

 Sampling Date: 04/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: STATE 2229 #36-1 (H401230-05)

BTEX 8260B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/29/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/29/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/29/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/29/2014	ND						

Surrogate: Dibromofluoromethane 97.4 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	15.7	10.0	04/25/2014	ND	207	103	200	12.5		

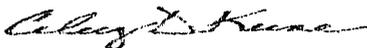
Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 04/23/2014
 Reported: 04/30/2014
 Project Name: WEST BRAVO DOME CO2
 Project Number: 13-1224-03
 Project Location: HARDING COUNTY, NM

 Sampling Date: 04/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: DOROTEO 1927 #15-1 (H401230-06)

BTEX 82608		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/30/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/30/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/30/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/30/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/30/2014	ND						

Surrogate: Dibromofluoromethane 102 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 106 % 63.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	92.1	10.0	04/25/2014	ND	207	103	200	12.5		

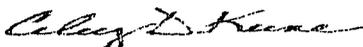
Surrogate: 1-Chlorooctane 110 % 63.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: LADD 1928 #17-1 (H401230-07)

BTEX 8260B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/30/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/30/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/30/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/30/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/30/2014	ND						

Surrogate: Dibromofluoromethane 99.2 % 61.3-142

Surrogate: Toluene-d8 98.0 % 71.3-129

Surrogate: 4-Bromofluorobenzene 115 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	16.9	10.0	04/25/2014	ND	207	103	200	12.5		

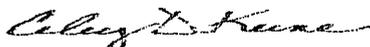
Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: LEWIS 1928 #2-1 (H401230-08)

BTEX 8260B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/30/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/30/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/30/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/30/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/30/2014	ND						

Surrogate: Dibromofluoromethane 103 % 61.3-142

Surrogate: Toluene-d8 97.4 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	207	103	200	12.5		

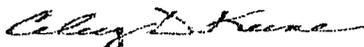
Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	04/23/2014	Sampling Date:	04/22/2014
Reported:	04/30/2014	Sampling Type:	Soil
Project Name:	WEST BRAVO DOME CO2	Sampling Condition:	Cool & Intact
Project Number:	13-1224-03	Sample Received By:	Jodi Henson
Project Location:	HARDING COUNTY, NM		

Sample ID: HAZEN 1928 #24-1 (H401230-09)

BTEX 8260B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	04/29/2014	ND	2.35	118	2.00	6.15		
Toluene*	<0.050	0.050	04/29/2014	ND	2.13	106	2.00	8.09		
Ethylbenzene*	<0.050	0.050	04/29/2014	ND	2.03	102	2.00	7.15		
Total Xylenes*	<0.150	0.150	04/29/2014	ND	6.25	104	6.00	8.15		
Total BTEX	<0.300	0.300	04/29/2014	ND						

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 97.8 % 71.3-129

Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/25/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1		
DRO >C10-C28	21.5	10.0	04/25/2014	ND	207	103	200	12.5		

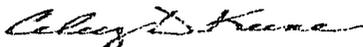
Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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* = Accredited Analyte

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Cefey D. Keene, Lab Director/Quality Manager

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 SM4500Cl-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

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*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

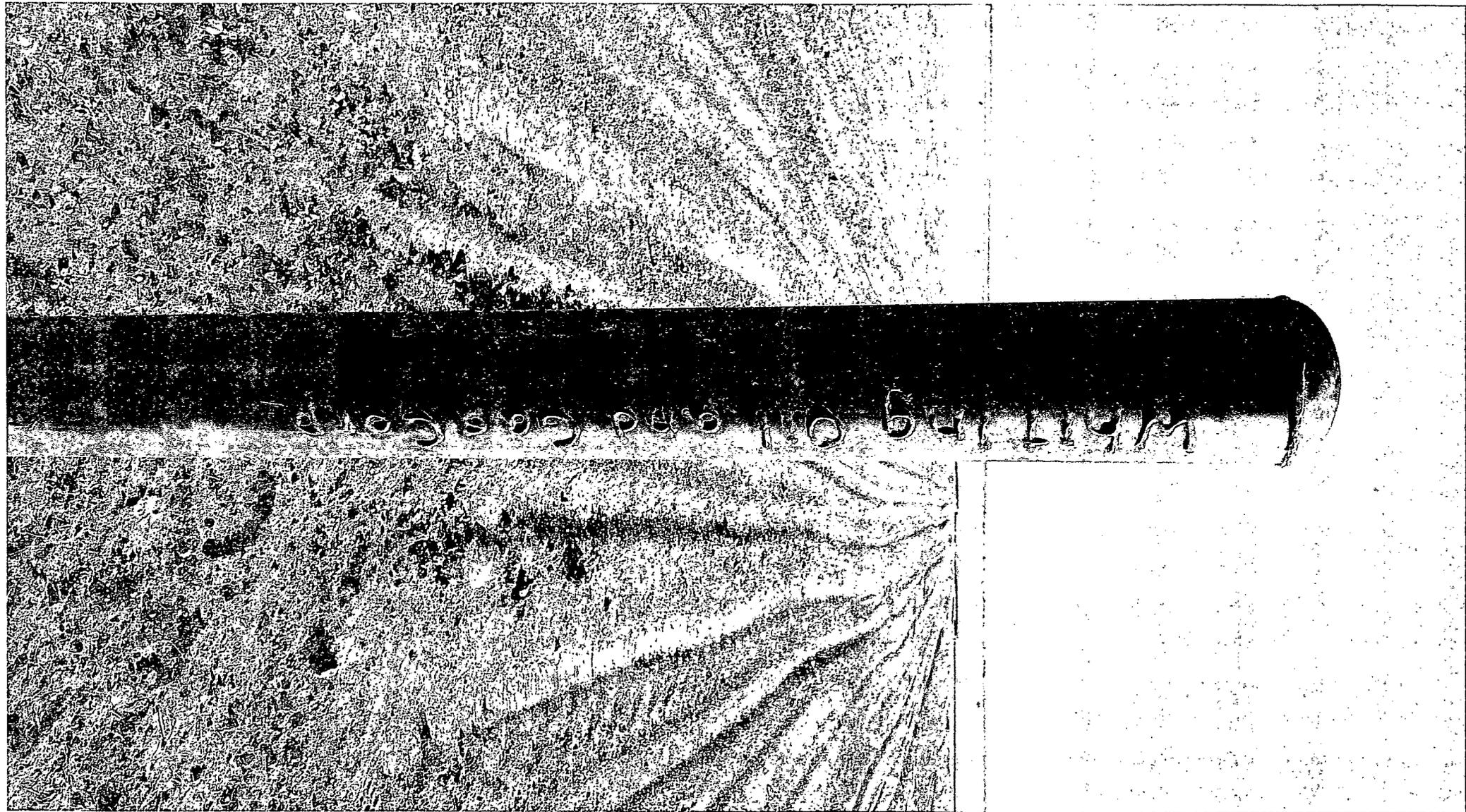
Company Name: Whiting Oil & Gas				BILL TO				ANALYSIS REQUEST													
Project Manager: Brian Holladay				P.O. #: 13-1224-03																	
Address: 400 W. Illinois Suite 1300				Company: Whiting oil & gas																	
City: Midland		State: TX		Zip: 79701		Attn: Gary Bullock															
Phone #: 806-231-1758 Fax #:				Address: 400 W. Illinois Suite 1300																	
Project #: West Bravo Dome Project Owner:				City: Midland																	
Project Name: West Bravo Dome Co²				State: TX Zip: 79701																	
Project Location: Harding County, NM				Phone #:																	
Sampler Name: Brian Holladay				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME							
H401230																					
	1 Mars 2131 #18-1												4/22	11:14	TPH 8015	6TE4	U-				
	2 Miera 2130 # 35-1												4/22	11:25	✓	✓	✓				
	3 Casados 2030 #12-1												4/22	11:39	✓	✓	✓				
	4 Four Way 2031 #4-1												4/22	11:56	✓	✓	✓				
	5 STATE 2229 #36-1												4/22	2:15	✓	✓	✓				
	6 Doroteo 1927 #15-1												4/22	3:15	✓	✓	✓				
	7 Ladd 1928 #17-1												4/22	3:27	✓	✓	✓				
	8 Lewis 1928 #2-1												4/22	3:40	✓	✓	✓				
	9 Haber 1928 #24-1												4/22	4:10	✓	✓	✓				

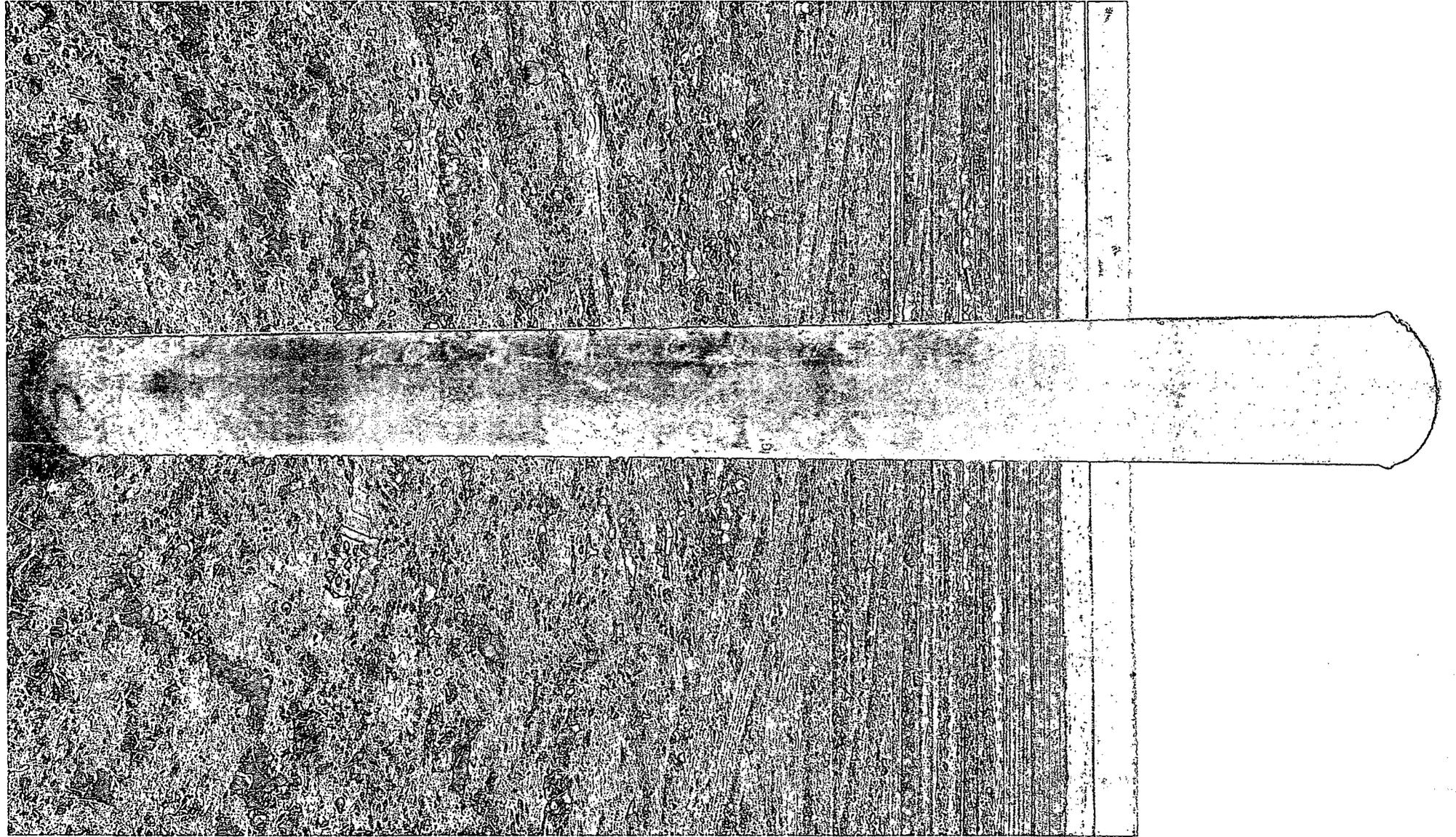
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether stated in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. 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 subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder or Cardinal's acceptance of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: B. Holladay	Date: 4/23	Received By: Hadi Henson	Time: 4:55	Date:	Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No (Add'l) Phone #:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No (Add'l) Fax #:
REMARKS: brian.holladay@live.com							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature]			

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

ASH

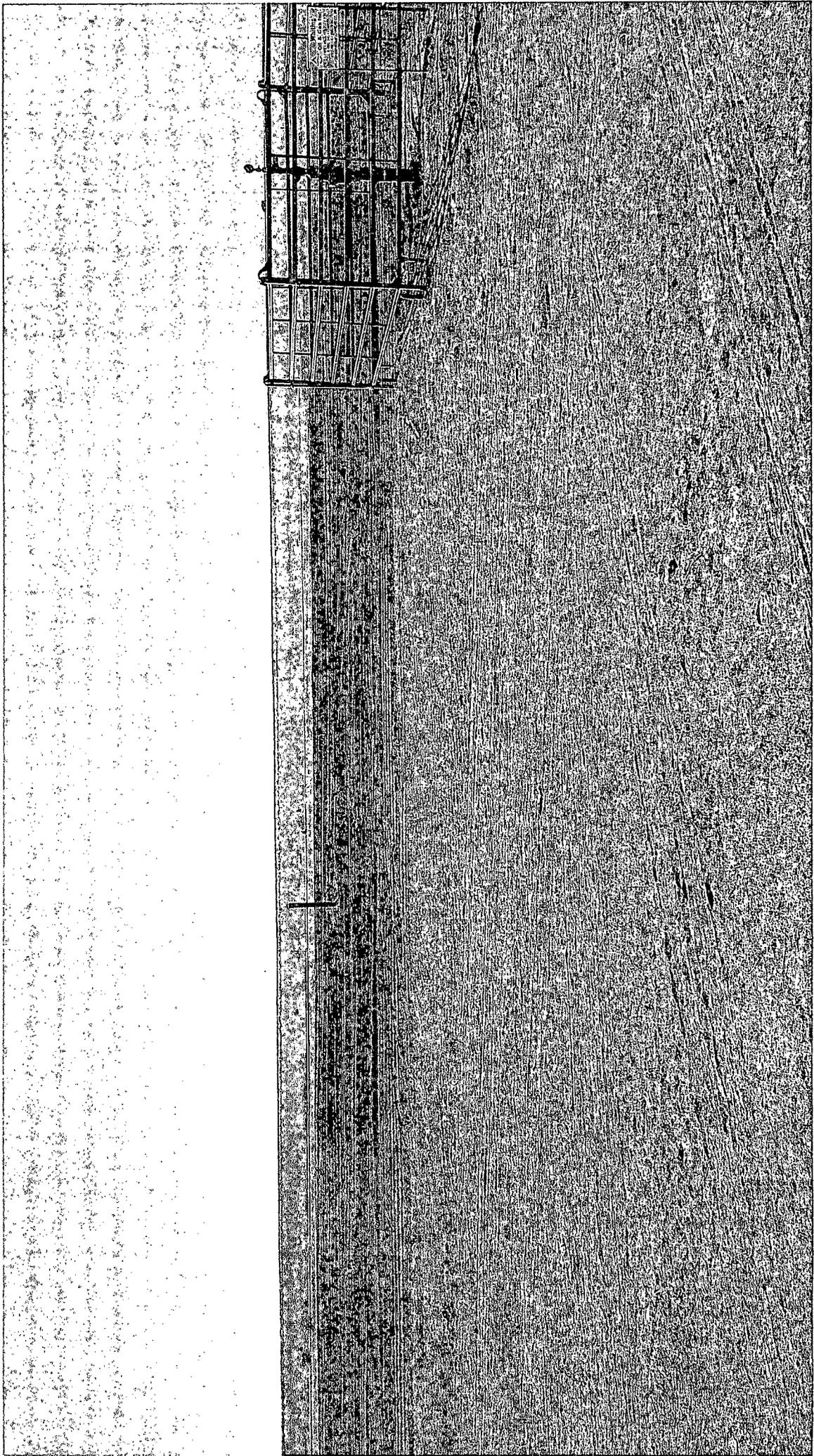


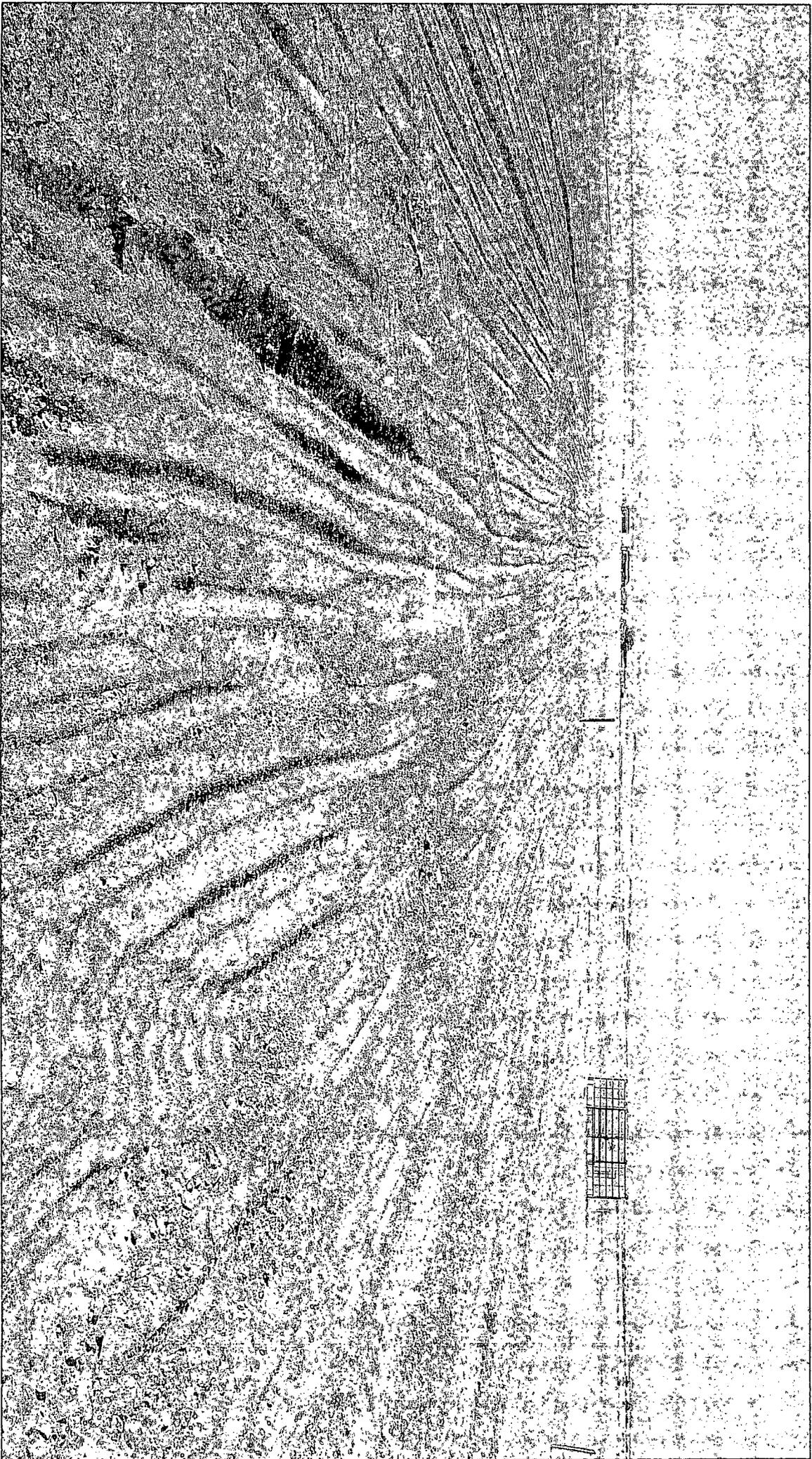




 **Whiting**
Oil & Gas Inc.
STATE LEASE WELL NO. 2229 #36-1
UL. F. SEC. 36. T22NR29E
1980' FNL & 1980' FWL
API #30-021-20598 HARDING CO., NM

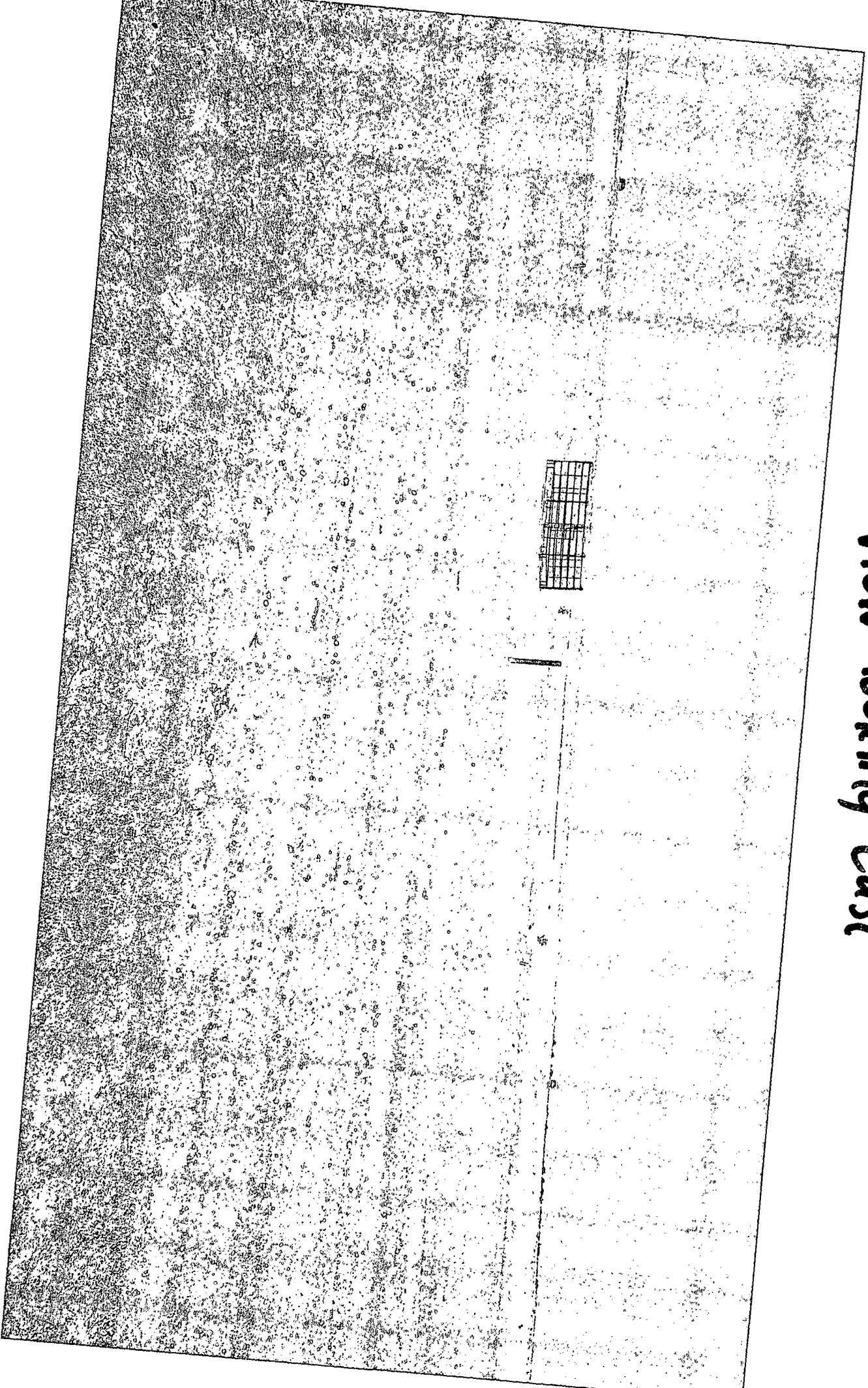
View looking West



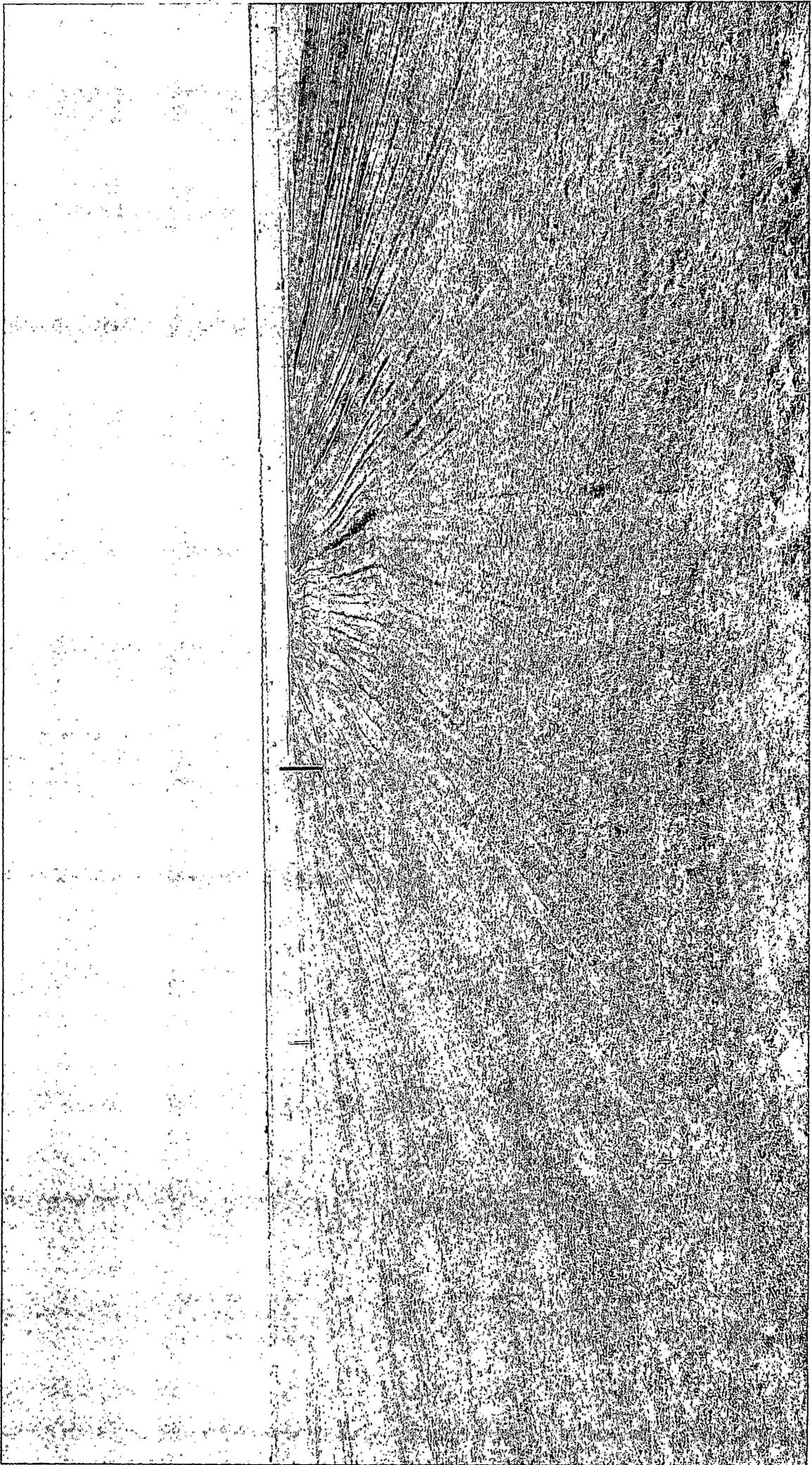


View looking North

View looking East



VIEW LOOKING SOUTH





November 12, 2014

Mr. Cory Smith
New Mexico Oil Conservation Division
1000 Rio Brazos Rd
Aztec, NM 87410

RE: Pit Closure

Dear Mr. Smith,

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. As evidenced by the pictures submitted some natural native vegetative growth has already occurred.

Sincerely,

Kay Maddox
Regulatory Supervisor

STATE 2229 Well # 36-1
30-021-20598
Harding County, New Mexico

*Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation*

400 W. Illinois Avenue, Suite 1300, Midland, TX 79701 Office: 432.686.6700 Fax 432.686.6799

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-021-20598
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator WHITING OIL AND GAS CORPORATION		6. State Oil & Gas Lease No.
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TEXAS 79701		7. Lease Name or Unit Agreement Name STATE 2229
4. Well Location Unit Letter F: 1980 feet from the NORTH line and 1980 feet from the WEST line Section 36 Township 22N Range 29E NMPM COUTNY: HARDING		8. Well Number 36-1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR 5455		9. OGRID Number 25078
10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE GAS (640)		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input checked="" type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>		OTHER: <input type="checkbox"/>	
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>			

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02/07/2014 - SPUD WELL
 02/08/2014 - SET 9 5/8 J-55 36# CSG @ 716' W/450 SXS CMT, CMT CIRCULATED
 02/12/2014 - SET 5 1/2 J-55 15.5# CSG @ 2750' W/740 SXS CMT, CMT CIRCULATED
 02/13/2014 - RIG DOWN

RECEIVED OOD
 FEB 17 11:23 AM

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE: REGULATORY ANALYST DATE 02/13/2014
 Type or print name Kay Maddox E-mail address: kay.maddox@whiting.com PHONE: 432-686-6709

For State Use Only
 APPROVED BY: Ed Martin TITLE: **DISTRICT SUPERVISOR** DATE 2/20/2014
 Conditions of Approval (if any):

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

Energy, Minerals, and Natural Resources Department

Revised October 12, 2005

Submit to Appropriate District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

State Lease - 4 copies

1220 South St. Francis Dr.

Fee Lease - 3 copies

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96010	³ Pool Name BRAVO DOME CARBON DIOXIDE GAS 640
Property Code	⁴ Property Name STATE 2229	⁵ Well Number #36-1
⁷ GRID No. 25078	⁶ Operator Name WHITING OIL AND GAS CORPORATION	⁸ Elevation 5455'

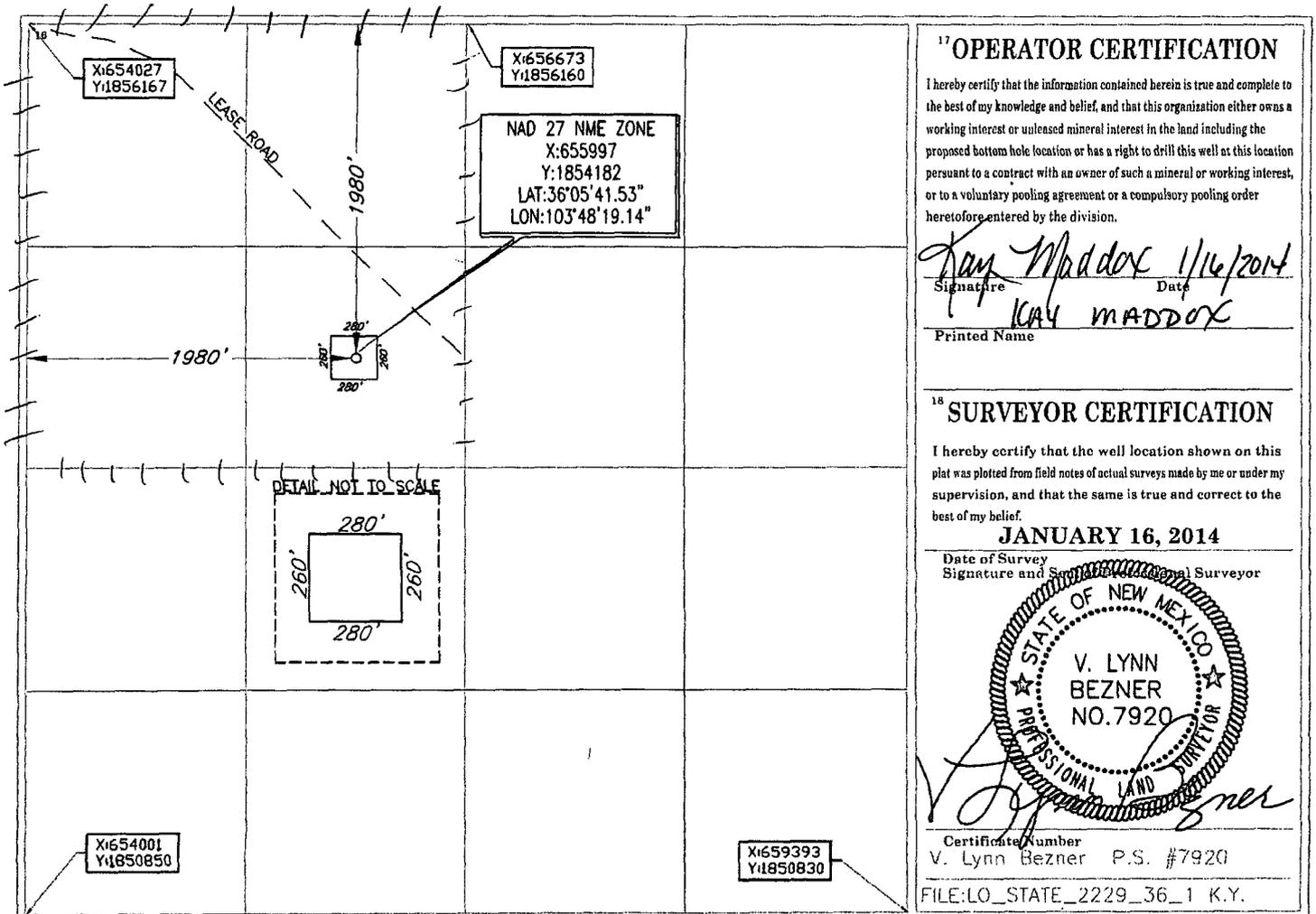
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	22 NORTH	29 EAST, N.M.P.M.		1980'	NORTH	1980'	WEST	HARDING

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

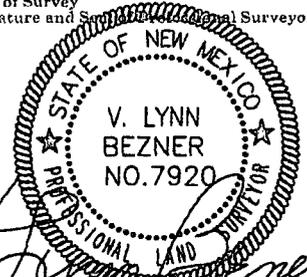
Signature: *Kay Maddox* Date: 1/16/2014
Printed Name: KAY MADDOX

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 16, 2014

Date of Survey: _____
Signature and Seal of Professional Land Surveyor



Certificate Number: V. Lynn Bezner P.S. #7920

FILE:LO_STATE_2229_36_1 K.Y.

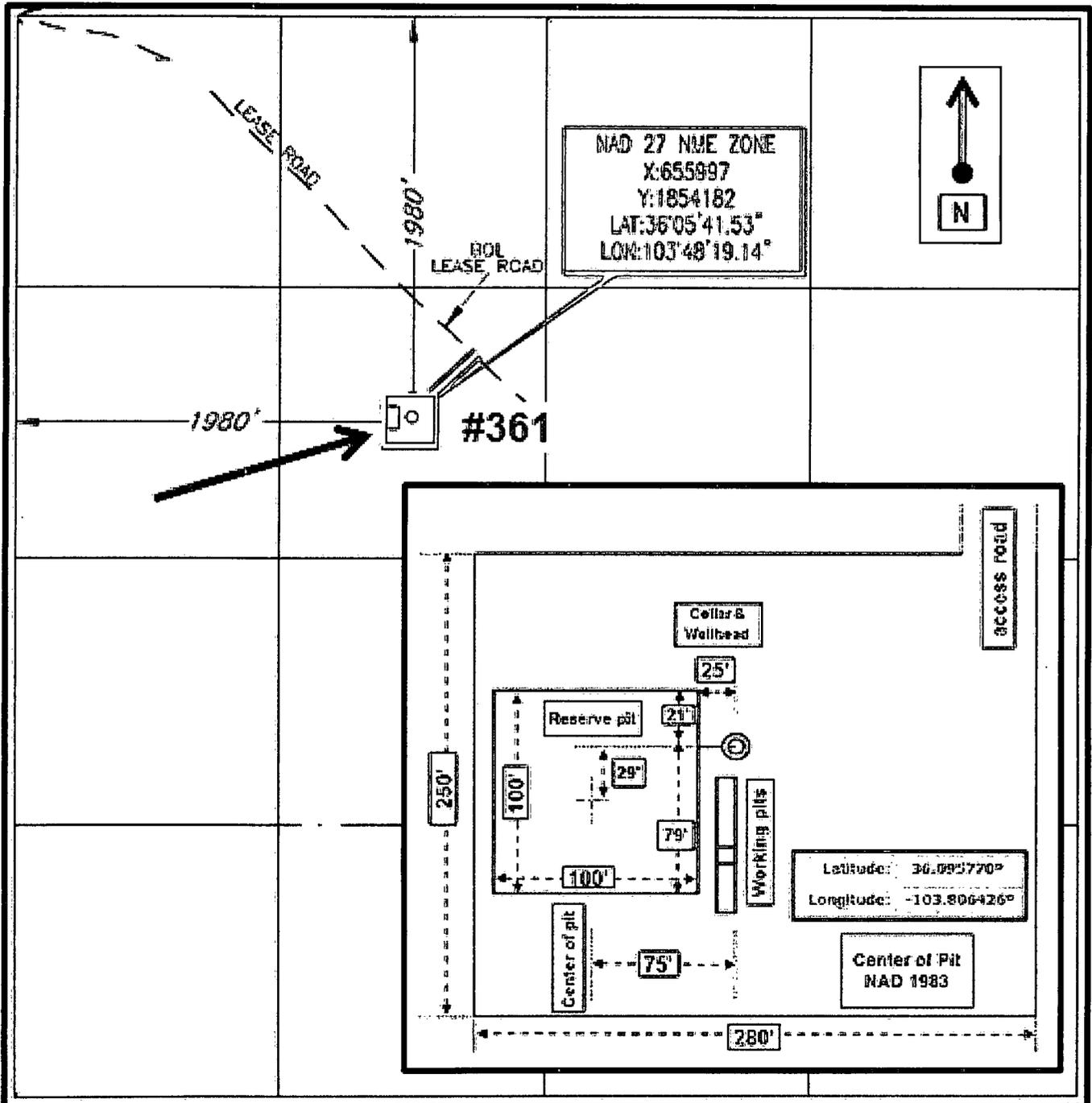
Pit Plot

Whiting Petroleum Corporation

State 2229 #36-1

T-22-N, R-29-E, Section 36 NMPM

Harding County, New Mexico



Topo Map

Whiting Petroleum Corporation

State 2229 #36-1

T-22-N, R-29-E, Section 36 NMPM

Harding County, New Mexico

