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.

11360

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

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- X 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

Amended

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.
Operator: ConocoPhillips Company OGRID #: 21787
Address: PO Box 4289, Farmington, NM 87499
Facility or Well Name San Juan 32-7 Unit 37F
API Number 30-045-34071 OCD Permit Number:
U/L or Qtr/Qtr O(SW/SE) Section 8 Township 32N Range 7W County: San Juan
Center of Proposed Design: Latitude 36.99126 Longitude 107.58781 NAD: X 1927 ☐ 1983
Surface Owner: X Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

RCVD AUG 19 '13
OIL CONS. DIV.
DIST. 3

2.
X **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: X Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
X Lined ☐ Unlined Liner type: Thickness 20 mil X LLDPE ☐ HDPE ☐ PVC ☐ Other
X String-Reinforced
Liner Seams: X Welded X Factory ☐ Other Volume: 7700 bbl Dimensions: L 120' x W 55' x D 12'

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

40

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

X 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:

☐ 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. ☐ Yes ☐ No ☐ NA
- ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . ☐ Yes ☐ No ☐ NA
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

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)** ☐ Yes ☐ No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Within an unstable area. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Within a 100-year floodplain. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- FEMA map

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). ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. ☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

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.) ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. ☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

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. ☐ Yes ☐ No
NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

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

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 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, 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 ☐ Multi-well Fluid Management Pit ☐ 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	☐ 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; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection 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): _____ Title: Regulatory Technician

Signature: _____ Date: ____

e-mail address: _____ Telephone: _____

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

OCD Representative Signature: Garth D. Kelly **Approval Date:** 8/21/2013

Title: Compliance Offizer **OCD Permit Number:** _____

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.

X **Closure Completion Date:** 5/1/2009

20.
Closure Method:

☐ Waste Excavation and Removal X 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.***

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

On-site Closure Location: Latitude 36.9911667 Longitude 107.5880833 NAD: ☐ 1927 X 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): Kenny Davis Title: Staff Regulatory Technician

Signature: Date: 8/16/13

e-mail address: Kenny.r.davis@conocophillips.com Telephone: 505-599-4045

ConocoPhillips Company
San Juan Basin
Closure Report

RCVD AUG 21 '13
OIL CONS. DIV.
DIST. 3

Lease Name: San Juan 32-7 Unit 37F
API No.: 30-045-34071

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144. The temporary pit for this location was constructed and location drilled before June 16, 2008 (effective date for Rule 19.15.17). While closure of the temporary pit did fall within the rule some dates for submittals are after the rig release date.

- Details on Capping and Covering, where applicable. **(See report)**
- Plot Plan (Pit Diagram) **(Included as an attachment)**
- Inspection Reports **(Included as an attachment)**
- Sampling Results **(Included as an attachment)**
- C-105 **(Included as an attachment)**
- Copy of Deed Notice will be filed with County Clerk **(Not required on Federal, State, or Tribal land as stated by FAQ dated October 30, 2008)**

General Plan:

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division–approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.

   All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B).

2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.

   The pit was closed using onsite burial.

3. The surface owner shall be notified of COPC's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.

   The closure process notification to the landowner was sent via email. (See Attached)(Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

4. Within 6 months of the Rig Off status occurring COPC will ensure that temporary pits are closed, re-contoured, and reseeded.

   The closure plan requirements were met due to rig move off date as noted on C-105.

5. Notice of Closure should have been given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure should have include the following:
   i. Operator's name
   ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

   Somehow back in 2009 this notification was overlooked. Procedures have been put into place to ensure This does not happen in the future.

6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

   Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility, (San Juan County Landfill).

7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.

   ConocoPhillips mixed the Pit contents 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 as safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.

8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

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

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	13.8 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	187 ug/kG
TPH	EPA SW-846 418.1	2500	457mg/kg
GRO/DRO	EPA SW-846 8015M	500	13.4 mg/Kg
Chlorides	EPA 300.1	1000/500	235 mg/L

9. Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails BR will dig and haul all contents pursuant to 19.15.17.13.i.a. After doing such, confirmation sampling will be conducted to ensure a release has not occurred.

   The pit material passed solidification and testing standards. The pit area was then backfilled with compacted, non-waste containing, earthen material. More than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

10. During the stabilization process if the liner is ripped by equipment the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired then all contents will be excavated and removed.

    The integrity of the liner was not damaged in the pit closure process.

11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011

    Dig and Haul was not required.

12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

    The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour has a uniform appearance with smooth surface, fitting the natural landscape.

13. Notification will be sent to OCD when the reclaimed area is seeded.

    Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

14. COPC shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

    Provision 14 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

15. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

    Provision 15 was accomplished by installing a steel marker in the temporary pit, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial. The marker is flush with the ground to allow access of the active well pad and for safety concerns. The top of the marker contains a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate contains the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

    The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the following operator's information at the time of all wells on the pad are abandoned. The riser will be labeled: COP, BLM, SAN JUAN 32-7 UNIT 37F, UL-O, Sec. 8, T 32N, R 7W, API # 30-045-34071

Sessions, Tamra D

From: Sessions, Tamra D
Sent: Friday, January 23, 2009 3:27 PM
To: 'mark_kelly@nm.blm.gov'
Subject: OCD Pit Closure Notification

The temporary pits at the subject wells will be closed on-site. The new OCD Pit Rule 17 requires the surface owner to be notified. Please let me know if you have any questions.

Lambe 1C
San Juan 32-7 Unit 37F

Tamra Sessions

Staff Regulatory Technician
CONOCOPHILLIPS SJBU
505-326-9834 Fax 599-4062
Tamra.D.Sessions@conocophillips.com

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
	72319 / 71599	BLANCO MESAVERDE / BASIN DAKOTA

4 Property Code	5 Property Name	6 Well Number
31329	SAN JUAN 32-7 UNIT	37F

7 OGRID No	8 Operator Name	9 Elevation
217817	CONOCOPHILLIPS COMPANY	6495'

10 Surface Location

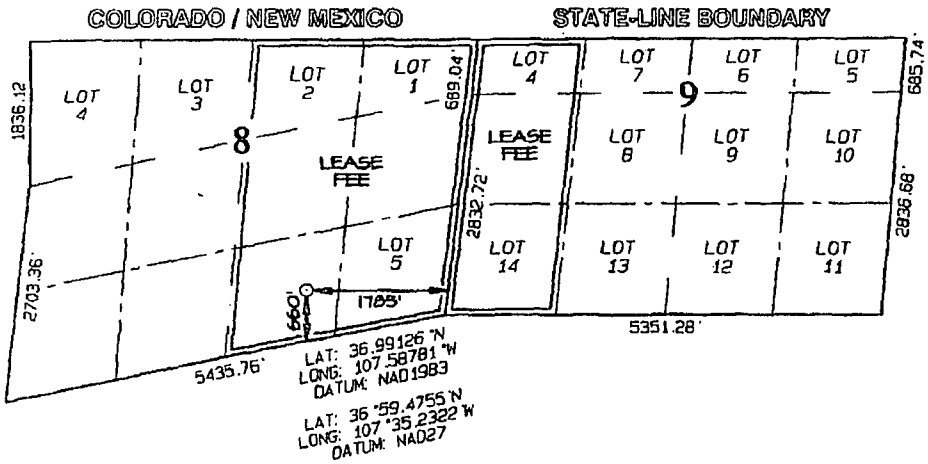
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	8	32N	7W		660	SOUTH	1785	EAST	SAN JUAN

11 Bottom 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	13 Joint or Infill	14 Consolidation Code	15 Order No.
303.66 Acres E/2 Section 8 & W/2 W/2 Section 9			

NO ALLOWABLE WILL 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

Signature

Printed Name

Title

Date

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

Date of Survey: JUNE 30, 2005

Signature and Seal of Professional Surveyor

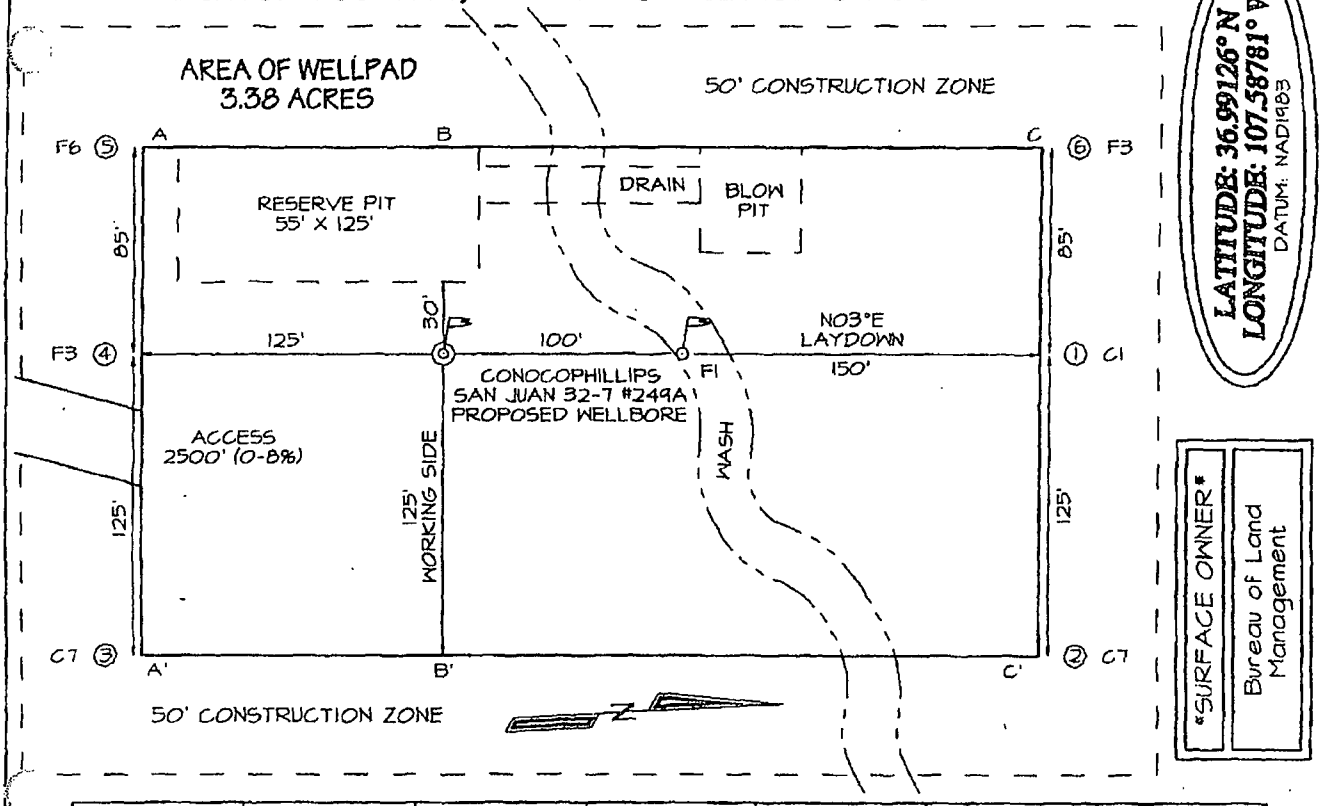
JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS

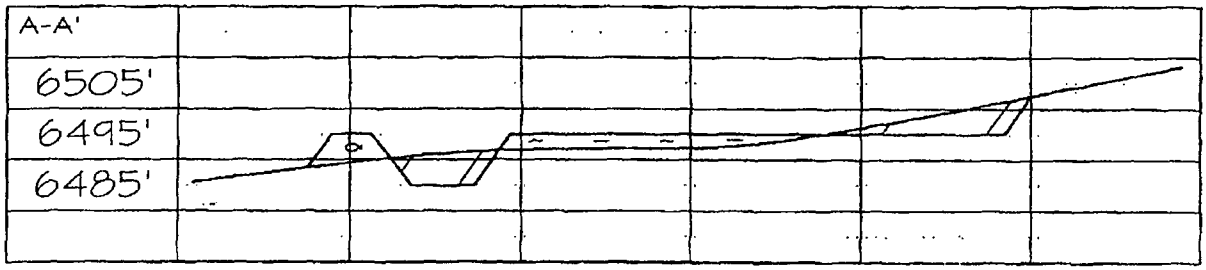
Certificate Number 15269

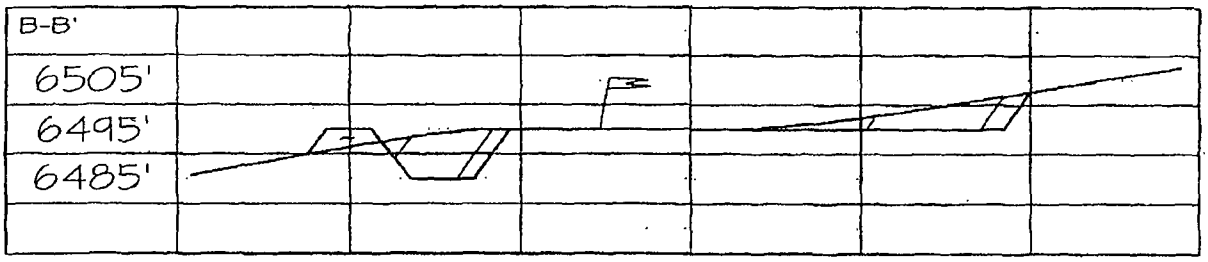
CONOCOPHILLIPS COMPANY SAN JUAN 32-7 UNIT #37F
660' FSL & 1785' FEL, SECTION 8, T32N, R7W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6495'

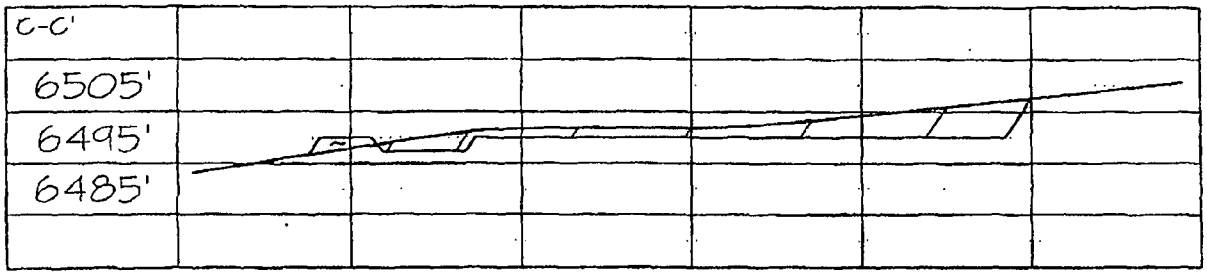
LATITUDE: 36.99126° N
LONGITUDE: 107.58781° W
DATUM: NAD1983



"SURFACE OWNER"
Bureau of Land Management







FILENAME: 327BOT	SHEET 2 OF 5	NCE SURVEYS, INC.	DRAWN BY: SLE	CHECKED BY: JCE

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F 249A	Date Reported:	08-18-08
Laboratory Number:	46723	Date Sampled:	08-12-08
Chain of Custody No:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Extracted:	08-14-08
Preservative:	Cool	Date Analyzed:	08-15-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**13.4**	**0.1**
Total Petroleum Hydrocarbons	**13.4** ✓	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Drilling Pit Sample**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F Background	Date Reported:	08-18-08
Laboratory Number:	46724	Date Sampled:	08-12-08
Chain of Custody No:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Extracted:	08-14-08
Preservative:	Cool	Date Analyzed:	08-15-08
Condition:	Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Drilling Pit Sample**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-15-08 QA/QC	Date Reported:	08-18-08
Laboratory Number:	46715	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-15-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0029E+003	1.0033E+003	**0.04%**	**0 - 15%**
Diesel Range C10 - C28	05-07-07	1.0026E+003	1.0030E+003	**0.04%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	***ND***	***0.2***

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

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**252**	**101%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**257**	**103%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 46715 - 46724.**

Analyst

Review

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ENVIRO-TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F	Date Reported:	08-19-08
Laboratory Number:	46723	Date Sampled:	08-12-08
Chain of Custody:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Analyzed:	08-15-08
Preservative:	Cool	Date Extracted:	08-14-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**13.8** ✓	**0.9**
Toluene	**55.6**	**1.0**
Ethylbenzene	**6.3**	**1.0**
p,m-Xylene	**92.5**	**1.2**
o-Xylene	**18.9**	**0.9**
Total BTEX	**187** ✓	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96.0 %**
	1,4-difluorobenzene	**96.0 %**
	Bromochlorobenzene	**96.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Drilling Pit Sample**

Analyst

Review

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ENVIRO-TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F Background	Date Reported:	08-19-08
Laboratory Number:	46724	Date Sampled:	08-12-08
Chain of Custody:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Analyzed:	08-15-08
Preservative:	Cool	Date Extracted:	08-14-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**3.0**	**1.0**
Ethylbenzene	**2.0**	**1.0**
p,m-Xylene	**3.2**	**1.2**
o-Xylene	**1.6**	**0.9**
Total BTEX	**9.8**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99.0 %**
	1,4-difluorobenzene	**99.0 %**
	Bromochlorobenzene	**99.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Drilling Pit Sample**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	08-15-BT QA/QC	Date Reported:	08-19-08
Laboratory Number:	46715	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-15-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range: 0 - 15%	Blank Conc	Detect. Limit
Benzene	9.7961E+007	9.8157E+007	0.2%	ND	0.1
Toluene	7.4272E+007	7.4421E+007	0.2%	ND	0.1
Ethylbenzene	5.8905E+007	5.9023E+007	0.2%	ND	0.1
p,m-Xylene	1.2296E+008	1.2320E+008	0.2%	ND	0.1
o-Xylene	5.6985E+007	5.7099E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	3.0	2.7	10.0%	0 - 30%	1.0
Ethylbenzene	1.2	1.0	16.7%	0 - 30%	1.0
p,m-Xylene	3.1	2.7	12.9%	0 - 30%	1.2
o-Xylene	1.8	1.4	22.2%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.6	99.2%	39 - 150
Toluene	3.0	50.0	51.0	96.2%	46 - 148
Ethylbenzene	1.2	50.0	48.2	94.1%	32 - 160
p,m-Xylene	3.1	100	101	98.1%	46 - 148
o-Xylene	1.8	50.0	49.8	96.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 46715 - 46724.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F	Date Reported:	08-18-08
Laboratory Number:	46723	Date Sampled:	08-12-08
Chain of Custody:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Analyzed:	08-15-08
Preservative:	Cool	Date Digested:	08-15-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**0.041**	**0.001**	**5.0**
Barium	**18.4**	**0.001**	**100**
Cadmium	**0.006**	**0.001**	**1.0**
Chromium	**0.171**	**0.001**	**5.0**
Lead	**0.256**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Drilling Pit Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F Background	Date Reported:	08-18-08
Laboratory Number:	46724	Date Sampled:	08-12-08
Chain of Custody:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Analyzed:	08-15-08
Preservative:	Cool	Date Digested:	08-15-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**0.050**	**0.001**	**5.0**
Barium	**4.35**	**0.001**	**100**
Cadmium	**0.005**	**0.001**	**1.0**
Chromium	**0.090**	**0.001**	**5.0**
Lead	**0.457**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.016**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Drilling Pit Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control /
Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-15 TM QA/AC	Date Reported:	08-18-08
Laboratory Number:	46723	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-15-08
Condition:	N/A	Date Digested:	08-15-08

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	**ND**	**ND**	**0.001**	**0.041**	**0.041**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**18.4**	**18.0**	**2.2%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**0.006**	**0.006**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.171**	**0.215**	**26.1%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**0.256**	**0.246**	**3.9%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.250**	**0.041**	**0.318**	**109%**	**80% - 120%**
Barium	**0.500**	**18.4**	**18.2**	**95.9%**	**80% - 120%**
Cadmium	**0.250**	**0.006**	**0.280**	**109%**	**80% - 120%**
Chromium	**0.500**	**0.171**	**0.602**	**89.8%**	**80% - 120%**
Lead	**0.500**	**0.256**	**0.770**	**102%**	**80% - 120%**
Mercury	**0.100**	**ND**	**0.091**	**90.7%**	**80% - 120%**
Selenium	**0.100**	**ND**	**0.106**	**106%**	**80% - 120%**
Silver	**0.100**	**ND**	**0.095**	**95.0%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/1QC for Samples 46723 - 46726 and 46749.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F	Date Reported:	08-20-08
Laboratory Number:	46723	Date Sampled:	08-12-08
Chain of Custody:	4978	Date Received:	08-12-08
Sample Matrix:	Soil Extract	Date Extracted:	08-17-08
Preservative:	Cool	Date Analyzed:	08-18-08
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	**7.25**	s.u.		
Conductivity @ 25° C	**923**	umhos/cm		
Total Dissolved Solids @ 180C	**532**	mg/L		
Total Dissolved Solids (Calc)	**592**	mg/L		
SAR	**4.9**	ratio		
Total Alkalinity as CaCO3	**74.0**	mg/L		
Total Hardness as CaCO3	**163**	mg/L		
Bicarbonate as HCO3	**74.0**	mg/L	1.21	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**0.622**	mg/L	0.01	meq/L
Nitrite Nitrogen	**<0.01**	mg/L	0.00	meq/L
Chloride	**235**	mg/L	6.63	meq/L
Fluoride	**1.10**	mg/L	0.06	meq/L
Phosphate	**0.148**	mg/L	0.00	meq/L
Sulfate	**93.2**	mg/L	1.94	meq/L
Iron	**0.110**	mg/L	0.00	meq/L
Calcium	**49.4**	mg/L	2.47	meq/L
Magnesium	**9.54**	mg/L	0.79	meq/L
Potassium	**13.9**	mg/L	0.36	meq/L
Sodium	**144**	mg/L	6.26	meq/L
Cations			9.87	meq/L
Anions			9.86	meq/L
Cation/Anion Difference			**0.19%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Drilling Pit Sample.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026.
Sample ID:	SJ 32-7 #37F Background	Date Reported:	08-20-08
Laboratory Number:	46724	Date Sampled:	08-12-08
Chain of Custody:	4978	Date Received:	08-12-08
Sample Matrix:	Soil Extract	Date Extracted:	08-17-08
Preservative:	Cool	Date Analyzed:	08-18-08
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	**8.02**	s.u.		
Conductivity @ 25° C	**136**	umhos/cm		
Total Dissolved Solids @ 180C	**74.0**	mg/L		
Total Dissolved Solids (Calc)	**76.6**	mg/L		
SAR	**1.5**	ratio		
Total Alkalinity as CaCO3	**38.0**	mg/L		
Total Hardness as CaCO3	**24.0**	mg/L		
Bicarbonate as HCO3	**38.0**	mg/L	0.62	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**10.3**	mg/L	0.17	meq/L
Nitrite Nitrogen	**<0.01**	mg/L	0.00	meq/L
Chloride	**5.97**	mg/L	0.17	meq/L
Fluoride	**2.63**	mg/L	0.14	meq/L
Phosphate	**5.03**	mg/L	0.16	meq/L
Sulfate	**3.02**	mg/L	0.06	meq/L
Iron	**5.34**	mg/L	0.19	meq/L
Calcium	**7.06**	mg/L	0.35	meq/L
Magnesium	**1.55**	mg/L	0.13	meq/L
Potassium	**1.18**	mg/L	0.03	meq/L
Sodium	**16.8**	mg/L	0.73	meq/L
Cations			1.43	meq/L
Anions			1.32	meq/L
Cation/Anion Difference			**8.66%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Drilling Pit Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F	Date Reported:	08-18-08
Laboratory Number:	46723	Date Sampled:	08-12-08
Chain of Custody No:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Extracted:	08-15-08
Preservative:	Cool	Date Analyzed:	08-15-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**457** ✓	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Drilling Pit Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	SJ 32-7 #37F Background	Date Reported:	08-18-08
Laboratory Number:	46724	Date Sampled:	08-12-08
Chain of Custody No:	4978	Date Received:	08-12-08
Sample Matrix:	Soil	Date Extracted:	08-15-08
Preservative:	Cool	Date Analyzed:	08-15-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**27.1**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Drilling Pit Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-15-08
Laboratory Number:	08-14-TPH.QA/QC 46715	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-14-08
Preservative:	N/A	Date Extracted:	08-13-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	08-01-08	08-14-08	1,790	1,700	5.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	21.4

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	87.2	85.0	2.5%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	87.2	2,000	1,750	84%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **QA/QC for Samples 46715 - 46724.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
July 17, 2008

1. WELL API NO.
30-045-34701

2. Type of Lease
☐ STATE ☒ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.
FEE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name
SAN JUAN 32-7 UNIT

6. Well Number:
37F

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator
ConocoPhillips Company

9. OGRID
217817

10. Address of Operator
PO Box 4298, Farmington, NM 87499

11. Pool name or Wildcat

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
		10/26/07		

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude **36.991667°N** Longitude **107.5880833°W** NAD ☐1927 ☒1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name Marie E. Jaramillo Title: Staff Regulatory Tech Date: 9/23/2010

E-mail Address marie.e.jaramillo@conocophillips.com

ConocoPhillips

Pit Closure Form:

Date: 5-1-2009

Well Name: SJ 32-7 unit 249A

Footages: 755 FSL 1780 FEL **Unit Letter:** O

Section: 8 , T-32 -N, R-7 -W, **County:** SJ **State:** NM

Contractor Closing Pit: Ace Services

Construction Inspector: Norman Faver **Date:** 5-1-2009

Inspector Signature: Norman Faver

Revised 7/10/08

Jaramillo, Marie E

From: Silverman, Jason M <Jason.M.Silverman@conocophillips.com>

Sent: Monday, April 27, 2009 12:23 PM

To: 'acedragline@yahoo.com' <acedragline@yahoo.com>

Cc: 'Faver Norm (faverconsulting@yahoo.com)' <faverconsulting@yahoo.com>

Subject: San Juan 32-7 Unit 37F / 249A : SOA & APD

Importance: High

Attachments: 1.32-7 37F.pdf; 1.Release to Construct - SJ 32-7 Unit 37F - Washburn.doc; 1.SJ 32-7 #37F C-102 pkg.pdf

Jason Silverman ----------
Construction Technician
ConocoPhillips Company - SJBU
Construction Department
P.O. Box 4289
Farmington, NM 87499-4289
505-326-9821
Jason.M.Silverman@ConocoPhillips.com

ConocoPhillips

Reclamation Form:

Date: 11/5/2009

Well Name: SJ 32-7 249A / 37F

Footages: _____ Unit Letter: _____

Section: _____, T-____-N, R-____-W, County: SJ State: NM

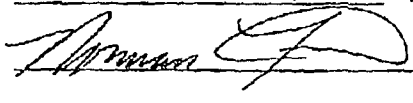
Reclamation Contractor: 5/ /2009 Ace

Reclamation Date: 5/2009

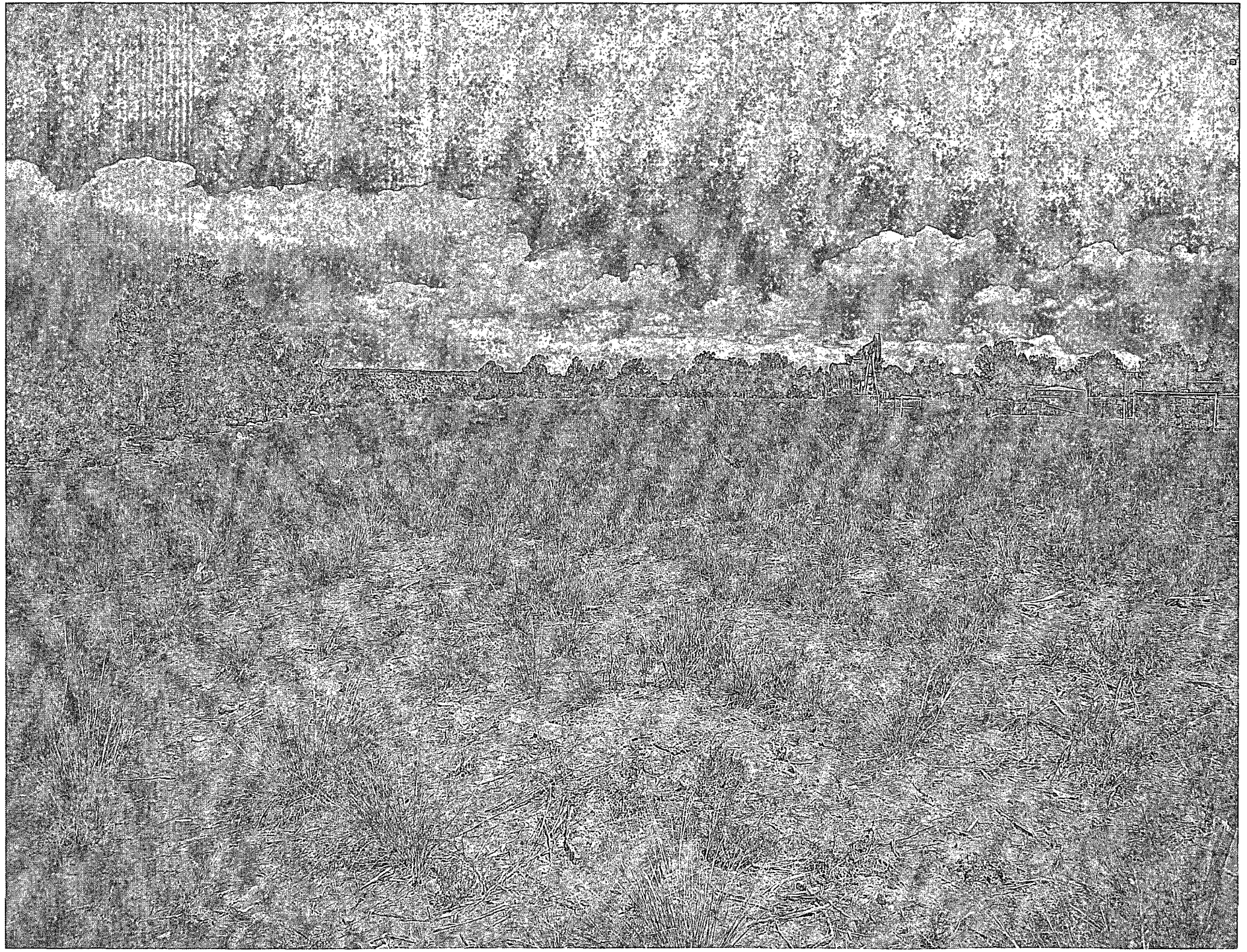
Road Completion Date: 5/2009

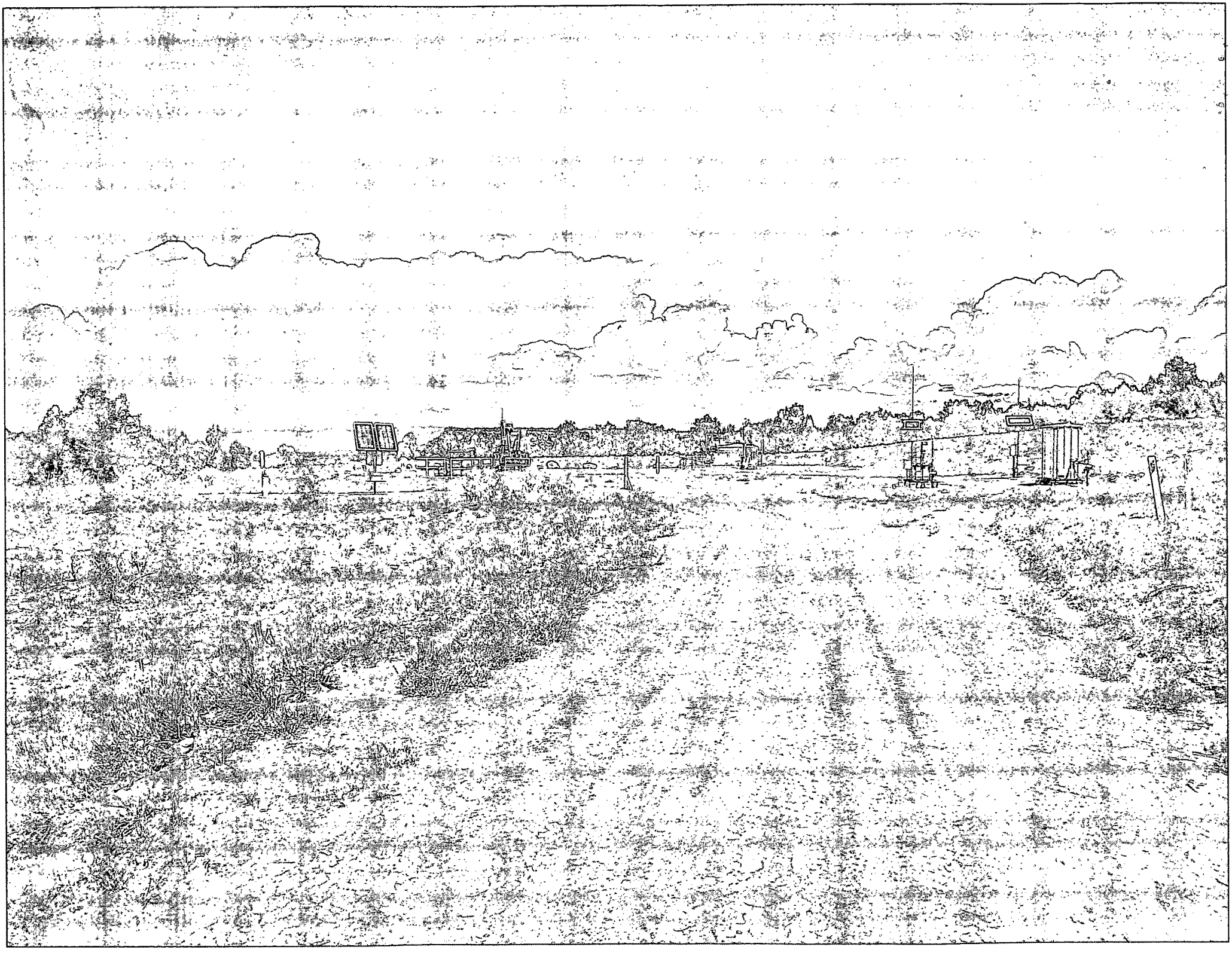
Seeding Date: 6/2009

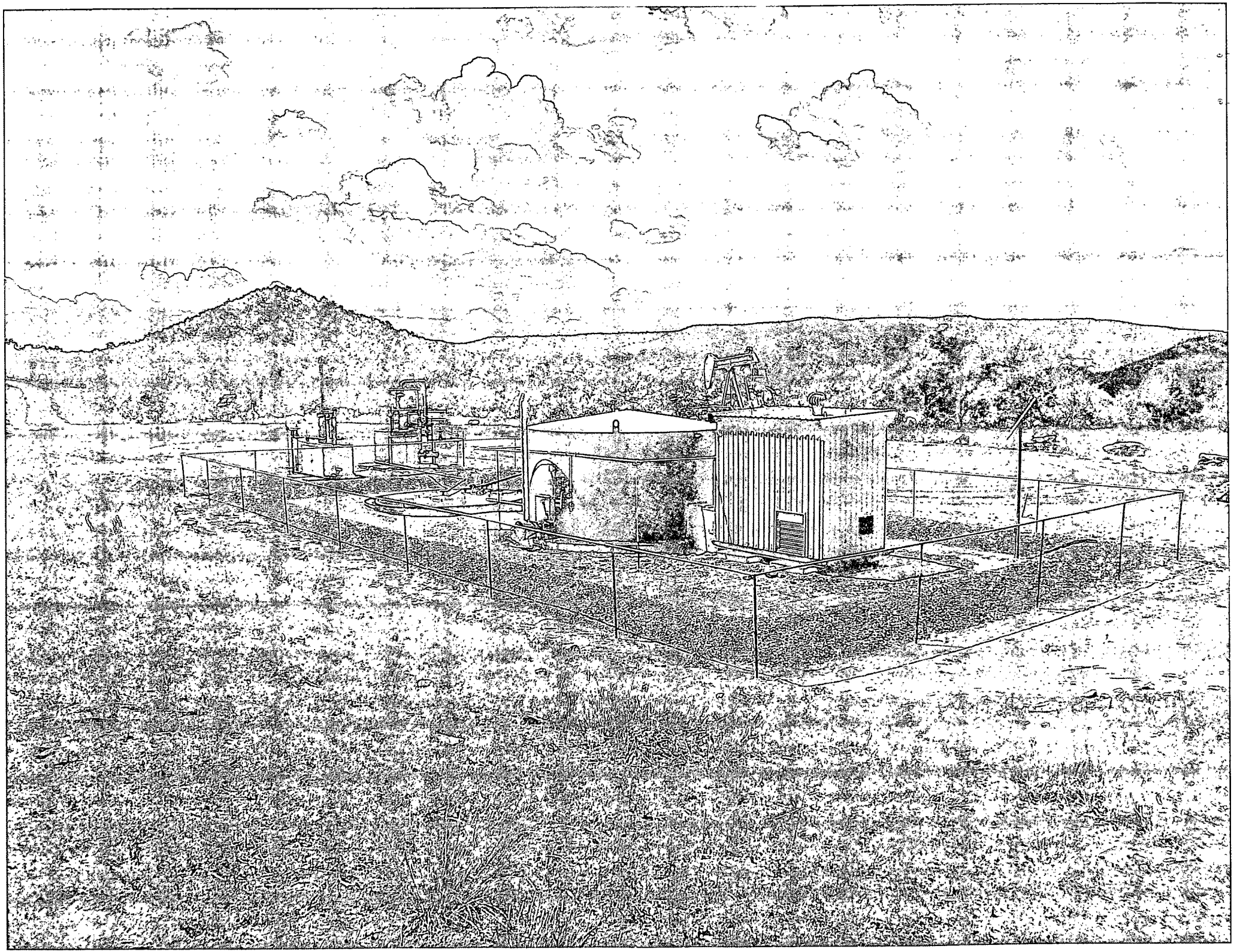
Construction Inspector: Norman Faver Date: 11/5/2009

Inspector Signature: 

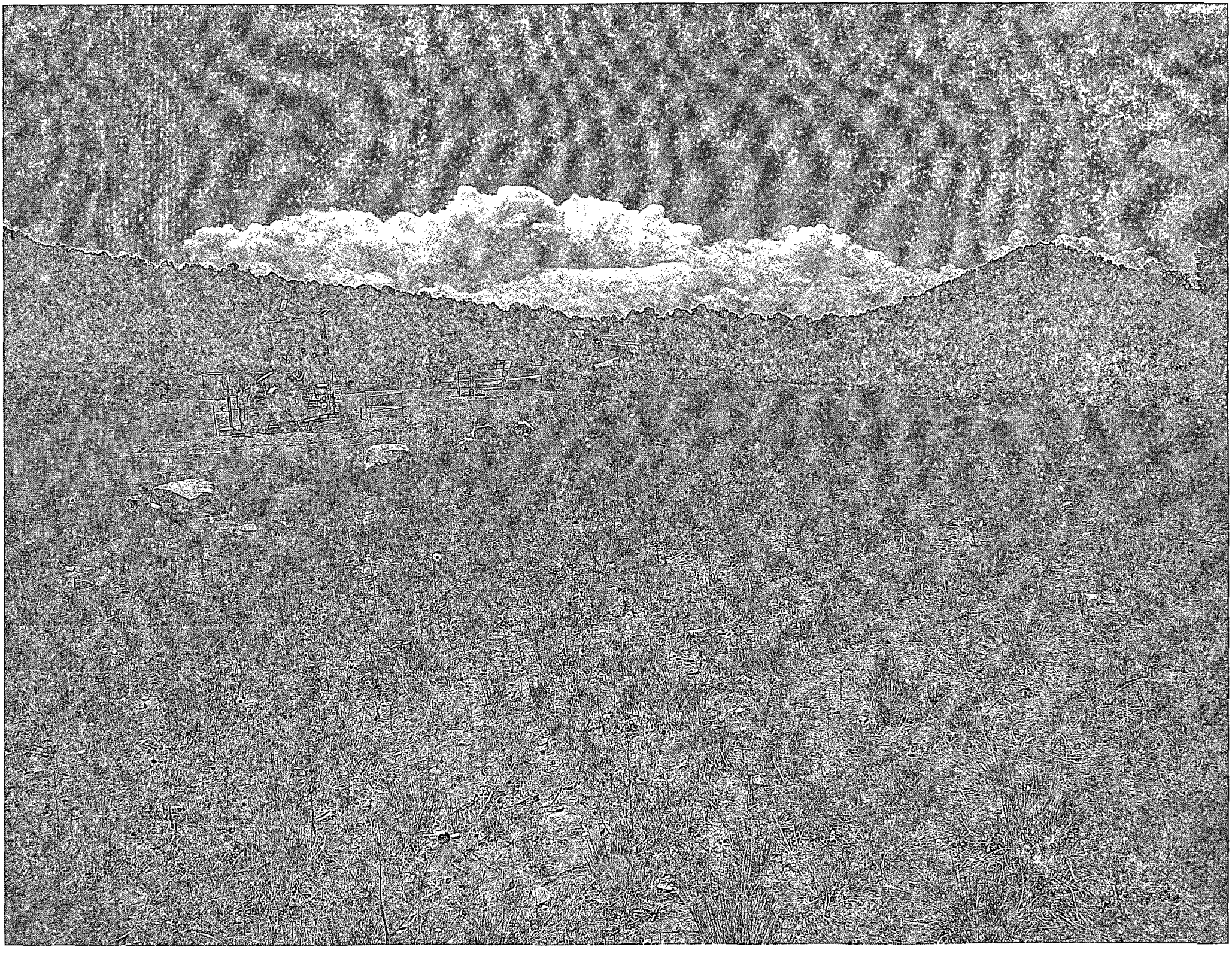
Revised 7/16/08

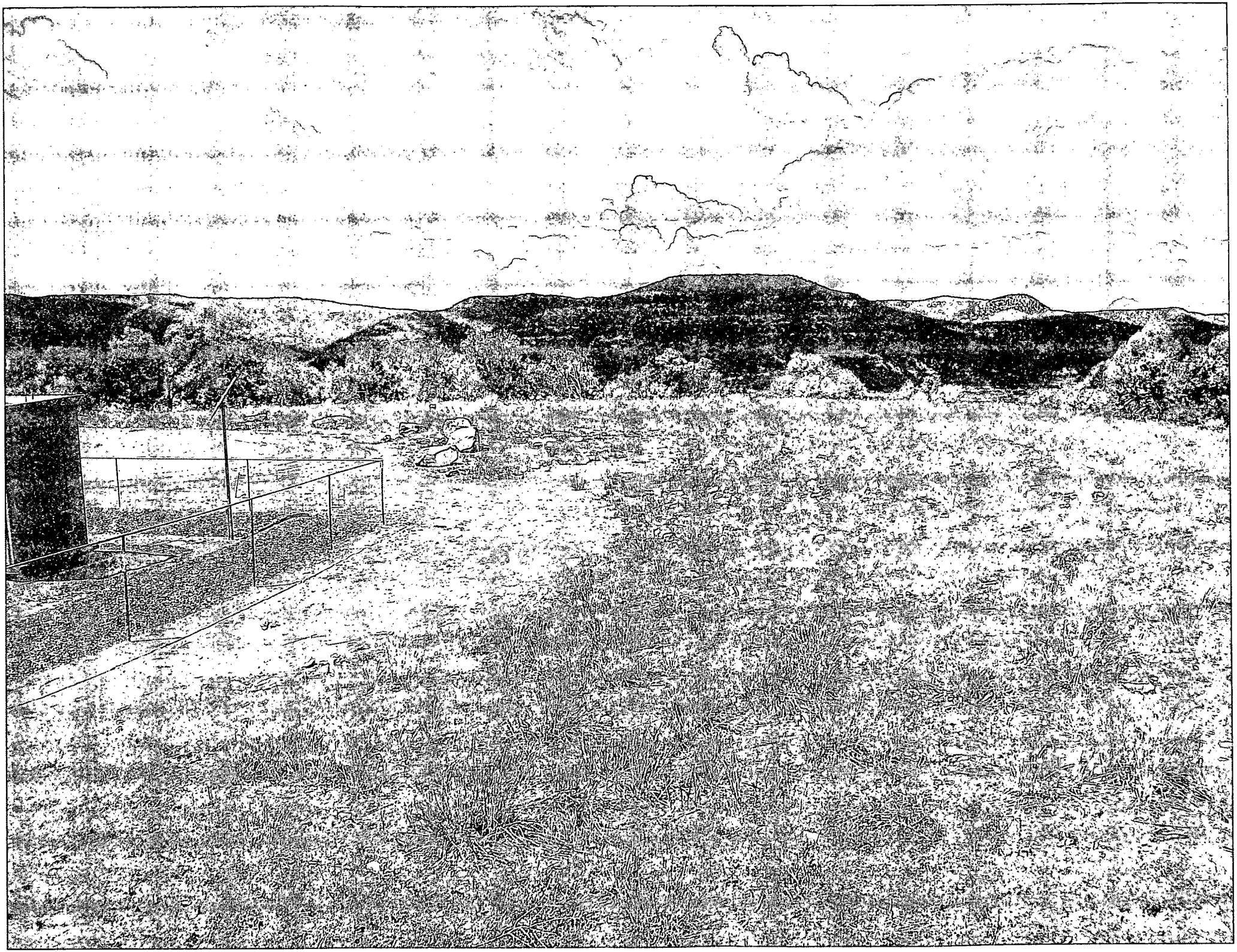




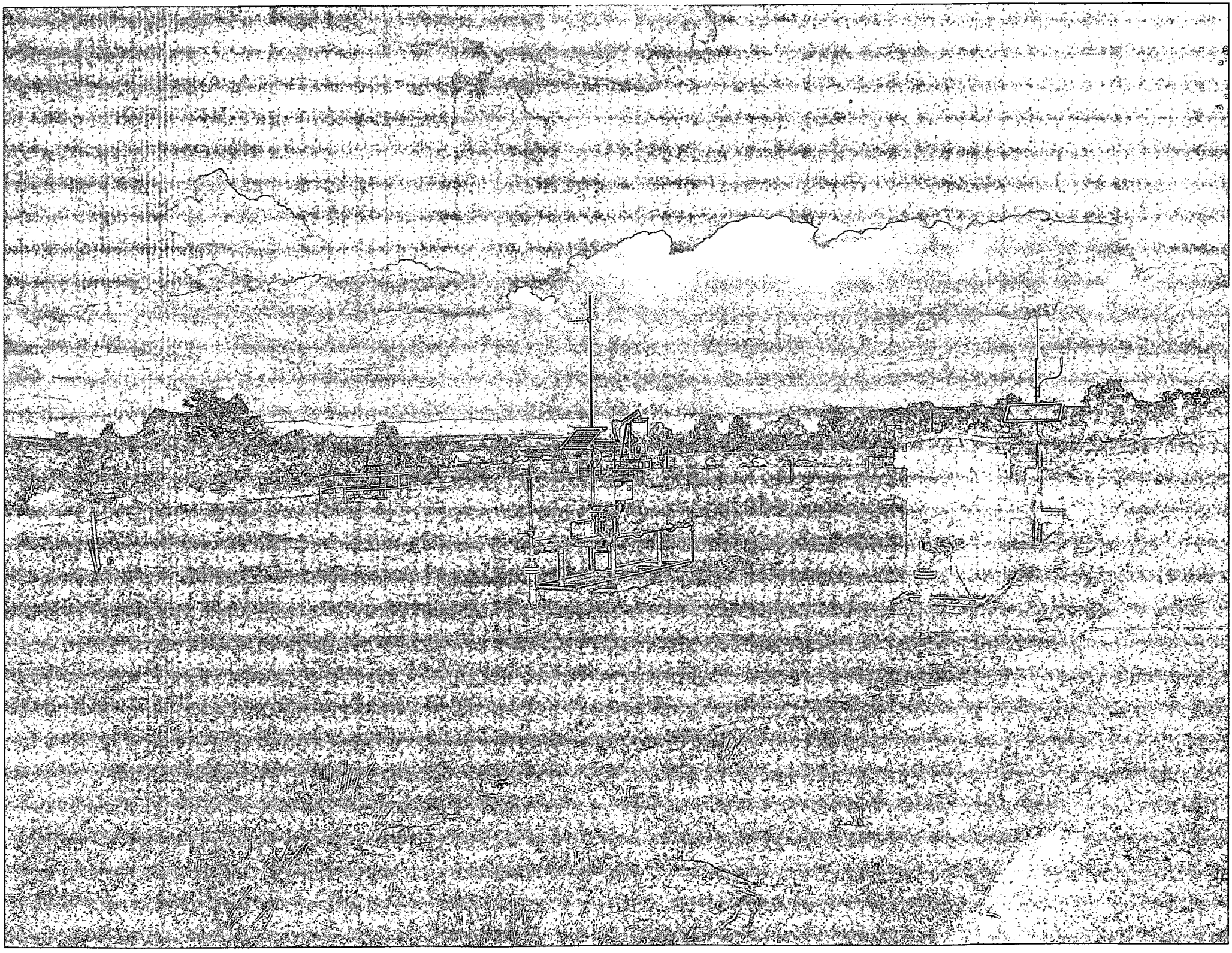



LEASE NUMBER (505) 32- -70
CONOCOPHILLIPS COMPANY
SAN JUAN 32-7 UNIT #37F
LATITUDE 36° 59.5'N(NAD83)
LONGITUDE 107° 35.3'W
UNIT O SEC 8 T32N R7W
660' FSL 1785' FEL
API # 30-045-34071
LEASE #FEE ELEV. 6495'GL
SAN JUAN COUNTY, NEW MEXICO
EMERGENCY CONTACT: 1-505-599-3400






SAN JUAN 32-7,
37F + 2419A.
COP, S8, T32, R7
O, FEE, O.B.L.



WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: SAN JUAN 32-7 UNIT 37F API#: 30-045-34071

DATE	INSPECTOR	LOCATION CHECK	ENVIROMENTAL COMPLIANCE	PICTURES TAKEN	COMMENTS
06/10/08	JARED CHAVEZ	X	X	X	PIT AND LOCATION IN GOOD CONDITION
06/17/08	JARED CHAVEZ				DRAKE RID #29 IS ON LOCATION
02/20/08	ERIC SMITH	X	X	X	
05/27/08	JARED CHAVEZ	X	X	X	LOTS OF HOLES, BLOW PIT NEEDS KEYED IN. BARBED WIRE TIGHTEN FENCE CALLED MVCI CALLED BRANDON W/OCD
12/28/07	ERIC SMITH	X	X		
12/17/07	ERIC SMITH	X	X		FENCE WAS PUSHED OVER & LINER HAD SEVERAL SMALL TEARS CALLED MVCI NOTIFIED OCD
11/07/07	ERIC SMITH	X	X		SENT MVCI TO REPAIR HOLES, TIGHTEN FENCE & PICK UP TRASH
10/22/07	ERIC SMITH				RIG ON LOCATION
07/15/08	JARED CHAVEZ	X	X		FENCE NEEDS TIGHTENED HOLES IN LINER & BLOW PIT WATER NEEDS PULLED. CONTACTED NOBLES CROSSFIRE & BRANDON W/ OCD
05/06/08	JARED CHAVEZ	X	X		PIT AND LOCATION IN GOOD CONDITION

04/21/08	JOHNNY R. MCDONALD	X	X		CALLED MVCI TO FIX FENCE AND PATCH LINER CALLED OCD
04/07/08	T. JONES	X	X		
03/11/08	ERIC SMITH	X	X		
02/05/08	ERIC SMITH				UNABLE TO ACCESS DUE TO WEATHER
01/21/08	ERIC SMITH	X	X		SAME PIT AS SJ 32-7 UNIT 249A
01/11/08	ERIC SMITH	X	X		
07/23/10	JARED CHAVEZ	X	X		PIT AND LOCATION IN GOOD CONDITION
10/10/07	ERIC SMITH	X	X		