

District I  
1625 N. French Dr., Hobbs, NM 88240  
  
District II  
1301 W Grand Ave., 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  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
June 16, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

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

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

Type of action: ☒ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☐ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

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

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

Operator: <b>Burlington Resources Oil &amp; Gas Company, LP</b>	OGRID#: <b>14538</b>
Address: <b>PO Box 4289, Farmington, NM 87499</b>	<b>RCVD JUL 11 '08</b>
Facility or well name: <b>San Juan 28-6 Unit 183N</b>	<b>OIL CONS. DIV.</b>
API Number: <b>30-039-30543</b>	OCD Permit Number: <b>DIST. 3</b>
U/L or Qtr/Qtr: <b>O(SWSE)</b> Section: <b>13</b> Township: <b>27N</b> Range: <b>6W</b> County: <b>Rio Arriba</b>	
Center of Proposed Design: Latitude: <b>36.569242' N</b> Longitude: <b>107.416112' W</b> NAD: <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983	
Surface Owner: <input type="checkbox"/> Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment	

<input checked="" type="checkbox"/> <b>Pit:</b> Subsection F or G of 19.15.17.11 NMAC Temporary: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Cavitation <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness <b>20</b> mil <input checked="" type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other <input checked="" type="checkbox"/> String-Reinforced Seams: <input checked="" type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other Volume: <b>7000</b> bbl Dimensions: L <b>120'</b> xW <b>55'</b> xD <b>12'</b>	<input type="checkbox"/> <b>Closed-loop Systems:</b> Subsection H of 19.15.17.11 NMAC <input type="checkbox"/> Drying Pad <input type="checkbox"/> Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other: <input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other: Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other: Volume: _____ bbl _____ yd <sup>3</sup> Dimensions: Length _____ x Width _____
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<input checked="" type="checkbox"/> <b>Below-grade tank:</b> Subsection I of 19.15.17.11 NMAC Volume: <b>120</b> bbl Type of fluid: <b>Produced Water</b> Tank Construction Material: <b>Metal</b> <input type="checkbox"/> Secondary containment with leak detection <input checked="" type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off <input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other: Liner type: Thickness: <b>60</b> mil <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other:	<b>Fencing:</b> Subsection D of 19.15.17.11 NMAC <input type="checkbox"/> Chain link, six feet in height, two strands of barbed wire at top <input type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet <b>Netting:</b> Subsection E of 19.15.17.11 <input checked="" type="checkbox"/> Screen <input type="checkbox"/> Netting <input type="checkbox"/> Other <input checked="" type="checkbox"/> Monthly inspections <b>Signs:</b> Subsection C of 19.15.17.11 NMAC <input type="checkbox"/> 12"x 24", 2" lettering, provided Operator's name, site location, and emergency telephone numbers <input checked="" type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC
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<input type="checkbox"/> <b>Alternative Method:</b> Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	<b>Administrative Approvals and Exceptions:</b> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. <b>Please check a box if one or more of the following is requested, if not leave blank:</b> <input checked="" type="checkbox"/> Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. ( <b>Fencing in Design Plan</b> ) <input type="checkbox"/> Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
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**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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.*

**Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.**

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No

**Within 300 feet of a continuously flowing watercourse, or 200 feet of any other 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.**

*(Applies to temporary, emergency, or cavitation pits and below-grade tanks)*

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

☐ Yes ☒ No

☐ NA

**Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.**

*(Applied to permanent pits)*

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

☐ Yes ☐ No

☒ NA

**Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.**

☐ Yes ☒ No

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.

**Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended**

☐ Yes ☒ No

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

**Within 500 feet of a wetland.**

☐ Yes ☒ No

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

**Within the area overlying a subsurface mine.**

☐ Yes ☒ No

- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division

**Within an unstable area.**

☐ 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**

☐ Yes ☒ No

- FEMA map

**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 - 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 \_\_\_\_\_ API Number: \_\_\_\_\_ or Permit \_\_\_\_\_)

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

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

- ☐ Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan - 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 \_\_\_\_\_ API Number: \_\_\_\_\_)

**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 (I) 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<sub>2</sub>S, 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

**Proposed Closure:** 19.15.17.13 NMAC

Type: ☒ Drilling ☐ Workover ☐ Emergency ☒ Cavitation ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System ☐ Alternative

Proposed Closure ☒ Waste Excavation and Removal **(Below-Grade Tank)**

☒ On-site Closure Method (only for temporary pits and closed-loop)

☒ In-place ☐ On-site Trench

☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

**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 may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justification and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

- |   |   |
|---|---|
| Ground water is less than 50 feet below the bottom of the buried waste.   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> NA   |
| Ground water is between 50 and 100 feet below the bottom of the buried waste  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> NA   |
| Ground water is more than 100 feet below the bottom of the buried waste.  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> NA   |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - Topographic map; Visual inspection (certification) of the proposed site   |   |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image   |   |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site  |   |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - Written confirmation or verification from the municipality; Written approval obtained from the municipality   |   |
| Within 500 feet of a wetland.   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| site  |   |
| Within the area overlying a subsurface mine.  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division   |   |
| Within an unstable area.  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map   |   |
| Within a 100-year floodplain  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| - FEMA map  |   |

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

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

**Waste Removal Closure for Closed-loop Systems That Utilize Haul-off Bins Only:** (19.15.17.13 D NMAC) *Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings.*

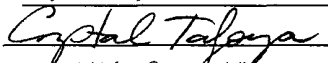
Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

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

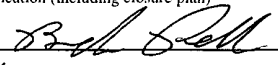
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☒ Construction and Design of Burial Trench (if applicable) based upon the appropriate 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 Subsection F of 19.15.17.13 NMAC
- ☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be
- ☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

**Operator Application Certification:**

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

Name (Print): Crystal Tafoya Title: Regulatory Technician  
Signature:  Date: 7/9/2008  
e-mail address: crystal.tafoya@conqrophillips.com Telephone: 505-326-9837

**OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature:  Approval Date: 7-18-08  
Title: EnviroSpec OCD Permit Number: \_\_\_\_\_

**Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

☐ Closure Completion Date: \_\_\_\_\_

**Closure Method:**

- ☐ Waste Excavation and Removal ☐ On-Site Closure ☐ Alternative Closure
- ☐ If different from approved plan, please explain

**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
- ☐ Proof of Deed Notice (if applicable)
- ☐ Plot Plan
- ☐ Confirmation Sampling Analytical Results
- ☐ Waste Material Sampling Analytical Results
- ☐ 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 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ NAD: ☐ 1927 ☐ 1983


**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): \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

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

Township: 27N Range: 06W Sections:

NAD27 X: Y: Zone:  Search Radius:

County:  Basin:  Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic  
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

**WATER COLUMN REPORT 07/08/2008**

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
<b>SJ 03001</b>	27N	06W	07	2	2	1				141	41	10
<b>SJ 02403</b>	27N	06W	30	3	1	3				505	300	20
<b>SJ 00213</b>	27N	06W	32	1	4	4				1308	485	82
<b>SJ 00062</b>	27N	06W	32	3	3	3				452	301	15
<b>SJ 00061</b>	27N	06W	32	3	3	3				445	301	14

Record Count: 5

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

Township: 27N Range: 05W Sections:

NAD27 X: Y: Zone: ☐ Search Radius:

County: ☐ Basin: ☐ Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic  
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

**WATER COLUMN REPORT 07/08/2008**

(quarters are 1=NW 2=NE 3=SW 4=SE)

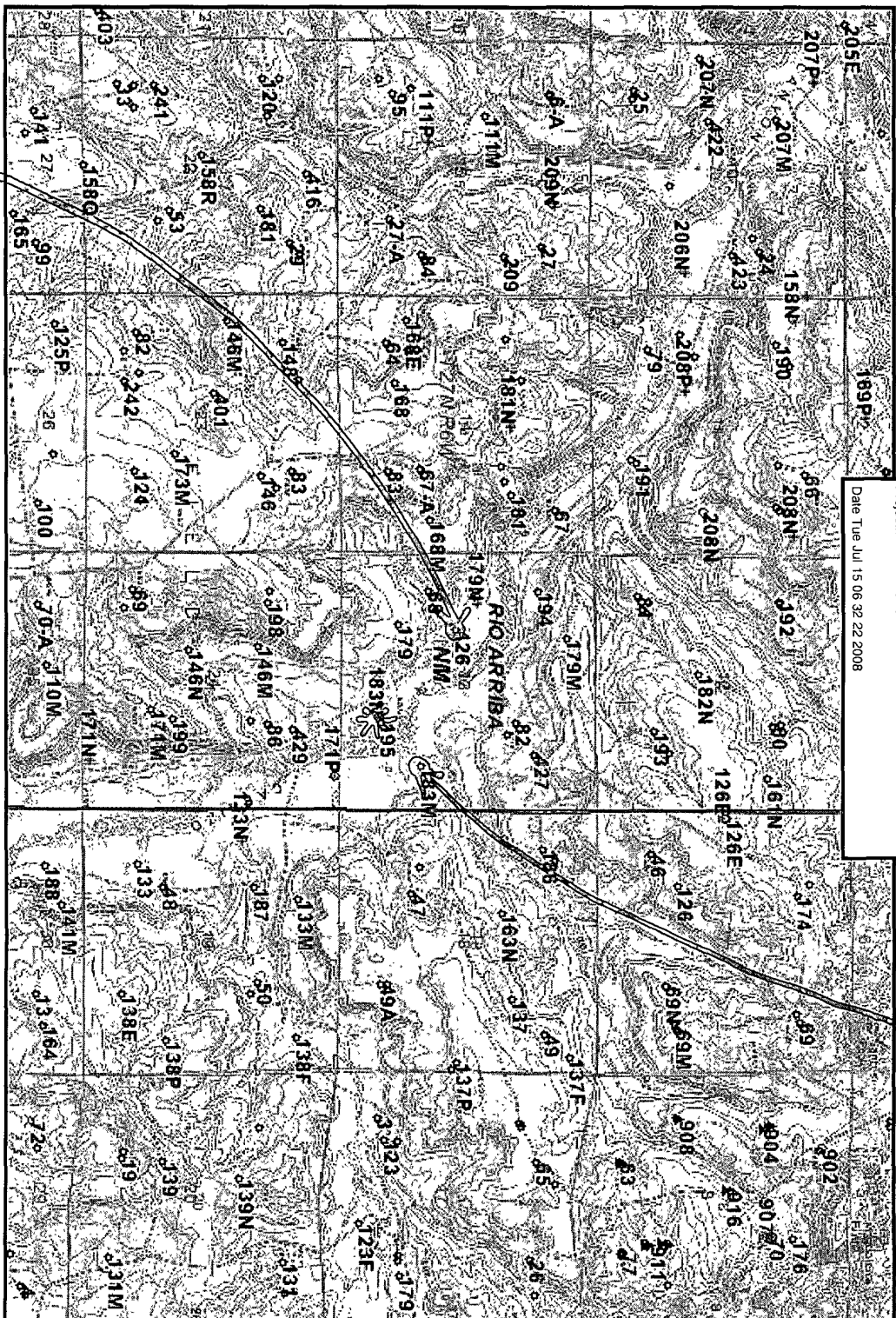
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
RG 81026	27N	05W	27	4	4	3				460	186	27
SJ 00199	27N	05W	03	2	1					1840		
SJ 00046	27N	05W	04	4	4					506	260	24

Record Count: 3

**SAN JUAN 28-6 UNIT 183N**  
**T-027N R-006W SEC 13 J**  
**ELEV: 6322**

*SAN JUAN 28-6 UNIT 183M*  
*93' ELEV 6319'*



*SAN JUAN 28-6 UNIT 426*  
*120' ELEV 6315'*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137

Expires December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL. OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

2. TYPE OF COMPLETION. NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF RESVR ☐ Other ☐

3. NAME OF OPERATOR  
BURLINGTON RESOURCES OIL & GAS COMPANY

4. ADDRESS AND TELEPHONE NO.  
PO BOX 4289, Farmington, NM 87499 (505) 326-9700

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1695'FSL, 880'FEL.  
At top prod interval reported below DHC-1823  
At total depth

6. PERMIT NO. DATE ISSUED

7. COUNTY OR PARISH  
Rio Arriba

8. STATE  
New Mexico

9. DATE SPUNDED 2-20-98 10. DATE T.D. REACHED 3-1-98 11. DATE COMPL (Ready to prod) 5-7-98 12. ELEVATIONS (DF RKB, RT, BR, ETC.)\* 6319 GR. 6331 KB

13. TOTAL DEPTH, MD & TVD 7508 14. PLUG, BACK T.D., MD & TVD 7495 15. IF MULTIPLE COMPL, HOW MANY\* 2 16. INTERVALS DRILLED BY 0-7508

17. ROTARY TOOLS 18. CABLE TOOLS

19. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\* 7258-7486 Dakota Commingled w/Mesaverde

20. WAS DIRECTIONAL SURVEY MADE

21. TYPE ELECTRIC AND OTHER LOGS RUN CNL-GR, CBL-CCL-GR

22. WAS WELL CORED No

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

CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8	32.3#	229	12 1/4	419 cu.ft.	
7	20#	3302	8 3/4	940 cu.ft.	

24. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2	2784	7500	626 cu.ft.	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	7490	

26. PERFORATION RECORD (Interval, size and number)  
7258, 7276, 7288, 7299, 7352, 7380, 7388, 7396, 7420, 7442, 7452, 7462, 7468, 7474, 7480, 7486

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7258-7486	25# x-link gel, 90.000# 20/40 Brady sd

28. PRODUCTION

29. DATE FIRST PRODUCTION 5-7-98 PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

30. DATE OF TEST 5-7-98 HOURS TESTED CHOKER SIZE PROD'N FOR TEST PERIOD OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO

31. FLOW TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL-BBL GAS-MCF WATER-BBL OIL GRAVITY-API (CCRR)

32. DISPOSITION OF GAS (Sold, used for fuel, vented, etc) To be sold TEST WITNESSED BY

33. LIST OF ATTACHMENTS None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Nancy Altman TITLE Regulatory Administrator

ACCEPTED FOR RECORD  
DATE 5-25-98

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

FARMINGTON DISTRICT OFFICE  
BY [Signature]



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

FOR APPROVED  
OMB NO 1004-0137

Expires: December 31 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1. a. TYPE OF WELL. Oil WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Other <input type="checkbox"/>										5. LEASE DESIGNATION AND SERIAL NO SF-079363	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> Other <input type="checkbox"/>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY										7. UNIT AGREEMENT NAME San Juan 28-6 Unit	
3. ADDRESS AND TELEPHONE NO PO BOX 4289, Farmington, NM 87499 (505) 326-9700										8. FARM OR LEASE NAME, WELL NO. San Juan 28-6 Unit #183M	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1695'FSL, 880'FEL,  At top prod interval reported below  At total depth DHC-1823										9. API WELL NO 30-039-25769	
10. FIELD AND POOL, OR WILDCAT Blanco MV/Basin DK										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13, T-27-N R-6-W	
14. PERMIT NO. DATE ISSUED										12. COUNTY OR PARISH Rio Arriba	
13. STATE New Mexico											
15. DATE SPUNDED 2-20-98		16. DATE T.D. REACHED 3-1-98		17. DATE COMPL. (Ready to prod.) 5-7-98		18. ELEVATIONS (DF RKB, RT, BR, ETC)* 6319 GR. 6331 KB		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 7508		21. PLUG, BACK T.D., MD & TVD 7495		22. IF MULTIPLE COMPL., HOW MANY* 2		23. INTERVALS DRILLED BY 0-7508		24. ROTARY TOOLS CABLE TOOLS			
25. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM NAME (MD AND TVD)* 3619-5580 Mesaverde Commingled w/Dakota										26. WAS DIRECTIONAL SURVEY MADE No	
27. TYPE ELECTRIC AND OTHER LOGS RUN CNL-GR, CBL-CCL-GR										28. WAS WELL CORED No	
29. CASING RECORD (Report all strings set in well)											
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE		TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
9 5/8		32.3#		229		12 1/4		419 cu.ft.			
7		20#		3302		8 3/4		940 cu.ft.			
30. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		PACKER SET (MD)	
4 1/2		2784		7500		626 cu.ft.					
31. PERFORATION RECORD (Interval, size and number)											
3619, 3635, 3645, 3672, 3688, 3709, 3745, 3787, 3798, 3816, 3831, 3852, 3875, 3890, 3911, 3925, 3940, 3955, 3981, 4004, 4026, 4035, 4040, 4045, 4053, 4064, 4077, 4088, 4158, 4164, 4178, 4182, 4191, 4203, 4209, 4229, 4233, 4242, 4271, 4301, 4311, 4353, 4364, 4368, 4395.											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED					
3619-4088						19,430 gal 20# linear gel, 150,000# 20/40 Arizona sd					
4158-4492						21,230 gal 20# linear gel, 150,000# 20/40 Ariz sd.					
4602-5046						12,500 gal slk wtr. 100,000# 20/40 Brady sd					
5108-5580						12,500 gal slk wtr. 100,000# 20/40 Brady sd					
33. PRODUCTION											
DATE FIRST PRODUCTION 5-7-98		PRODUCTION METHOD (Flowing gas lift, pumping—size and type of pump) Flowing						WELL STATUS (Producing or shut-in) SI			
DATE OF TEST 5-7-98		HOURS TESTED		CHOKE SIZE		PROD N FOR TEST PERIOD		OIL-BBL		GAS-MCF	
5-7-98										1450 Pitot Gauge	
FLOW TUBING PRESS		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL-BBL		GAS-MCF		WATER-BBL	
SI 1063		SI 1063									
34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) To be sold										TEST WITNESSED BY	
35. LIST OF ATTACHMENTS None											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>Nancy Altman</u> TITLE <u>Regulatory Administrator</u>											

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

FARMINGTON DISTRICT OFFICE

RY

# **TIERRA CORROSION CONTROL, INC.** **DRILLING LOG**

COMPANY: Burlington  
LOCATION: SJ 28-6 183 & 82  
STATE: NM  
BIT SIZE: 7 7/8"  
LBS COKE BACKFILL: 2400#  
ANODE TYPE: 2" X 60"

CONTRACT #: 01774 Alt #2  
LEGALS: S13S-T27N-R6W  
DRILLER: Phillips  
CASING SIZE/TYPER:  
VENT PIPE: 300'  
ANODE AMOUNT:10

DATE: 11/12/03  
COUNTY: RA  
DEPTH: 300'  
COKE TYPE: Asbury  
PERF PIPE: 120'  
BOULDER DRILLING:

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	SANDSTONE		310		
25			315		
30		.2	320		
35		.2	325		
40		1	330		
45	▼	.8	335		
50		.9	340		
55	SHALE	1.2	345		
60		1.5	350		
65		2.1	355		
70		2.9	360		
75		2.8	365		
80		2.7	370		
85	▼	2.2	375		
90		1.8	380		
95	SANDSTONE	.7	385		
100		2.0	390		
105	SHALE	3.5	395		
110		2.5	400		
115		1.9	405		
120	▼	2.1	410		
125		1.4	415		
130	SANDSTONE	.4	420		
135		.3	425		
140		.4	430		
145		.6	435		
150		.9	440		
155	▼	1.0	445		
160		1.1	450		
165	SHALE	1.4			
170		1.5			
175		1.6			
180		1.9			
185		2.0			
190		2.1			
195		1.8			
200		1.7			
205		1.9			
210		2.6			
215		2.7			
220		2.8			
225		2.6			
230		2.2			
235	▼	2.2			
240		2.3			
245	SANDSTONE	.8			
250		.9			
255	SHALE	1.3			
260		1.6			
265		3.4			
270		2.7			
275		2.1			
280		2.1			
285		2.2			
290		1.8			
295	▼	1.1			
300		298 td			
305					

ANODE #	DEPTH	NO COKE	COKE
1	295	1.1	3.5
2	285	2.2	6.0
3	275	2.1	6.5
4	265	3.4	7.4
5	255	1.3	5.3
6	240	2.3	5.3
7	230	2.2	5.6
8	220	2.8	6.1
9	210	2.6	5.9
10	200	1.7	4.1
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

WATER DEPTH: 95'  
ISOLATION PLUGS:  
LOGGING VOLTS:13.24  
VOLT SOURCE: AUTO BATTERY  
TOTAL AMPS: 14.7  
TOTAL GB RESISTANCE: 0.90  
REMARKS:

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REMVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR  
Meridian Oil Inc.

3. ADDRESS AND TELEPHONE NO.  
PO Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2380' FSL, 1585' FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED 10-24-92 16. DATE T.D. REACHED 10-27-92 17. DATE COMPL. (Ready to prod.) 11-23-92 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\* 6315' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3076' 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS yes CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Fruitland Coal (2868-3031')

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL, GR, Neut, Dens, PE, ML

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#	246'	12 1/4"	270 cu.ft.	
4 1/2"	10.5#	3076'	7 7/8"	1172 cu.ft.	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	2336'	

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
2868-73', 2908-11', 2946-70', 2972-89', 2991-3001', 3006-31'				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				2868-3031'	131,250# 20/40 sand and gel

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing, capable of commercial hydrocarbon prod. NO pipeline				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO
863 SI	360 SI				1.236mmcf-pilot gge		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
to be sold BHP @ 2800' 940

35. LIST OF ATTACHMENTS  
none

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED [Signature] TITLE Regulatory Affairs DATE 11-6-93

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR

# WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 6-16-93

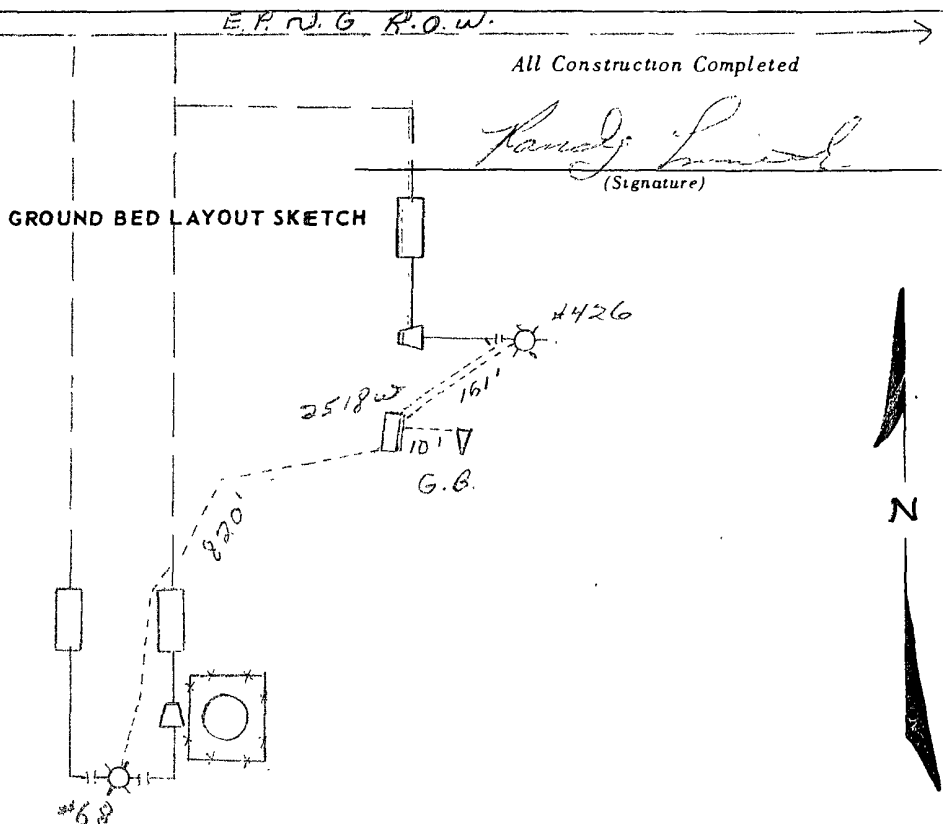
CPS # <u>UP</u>	Well Name, Line or Plant <u>S.S. 28-6 #426</u>	Work Order # <u>P 723</u>	Static: <u>342 MD. W.</u>	Ins Union Check <input checked="" type="checkbox"/> Good <input type="checkbox"/> Bad
<u>2518-123</u>	<u>S.S. 28-6 #68</u>	<u>N/A</u>		
Location <u>M13-27-6</u>	Anode Size <u>5" x 60"</u>	Anode Type <u>Anotech</u>	Size Bit <u>7 7/8"</u>	
Depth Drilled <u>400</u>	Depth Logged <u>360'</u>	Drilling Rig Time <u>8 hrs</u>	Total Lbs Coke Used <u>5100</u>	Lost Circulation Mat'l Used <u>—</u>
No Sacks Mud Used <u>—</u>				
Anode Depth	#1 350	#2 340	#3 330	#4 320
	#5 310	#6 300	#7 290	#8 280
	#9 270	#10 230		
Anode Output (Amps)	#1 4.4	#2 4.5	#3 3.8	#4 3.7
	#5 3.7	#6 3.8	#7 4.4	#8 4.3
	#9 5.6	#10 5.0		
Anode Depth	#11 220	#12 202	#13 145	#14 135
	#15 125	#16	#17	#18
	#19	#20		
Anode Output (Amps)	#11 4.1	#12 3.8	#13 3.7	#14 4.8
	#15 3.6	#16	#17	#18
	#19	#20		
Total Circuit Resistance	Volts <u>11.4</u>		Amps <u>21.0</u>	
	Ohms <u>.54</u>		No. 8 C.P. Cable Used <u>—</u>	
			No. 2 C.P. Cable Used <u>—</u>	

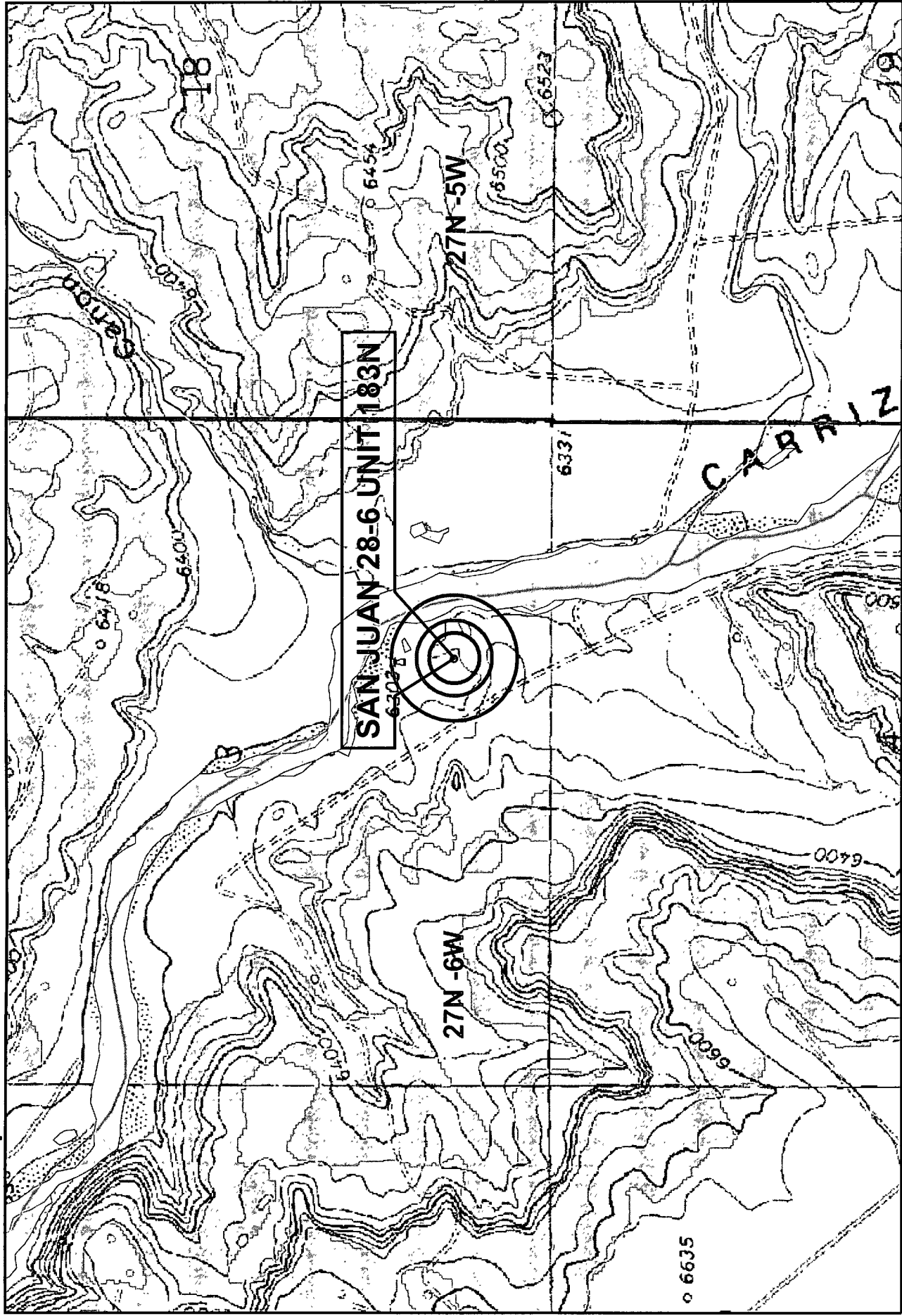
Remarks: Set 99' of 8" P.O.C. casing, and cemented with 19 sacks. Driller said water was at 120', water sample was taken. Hole caved in at 220', reentered hole and cleaned. Vent pipe is perforated up to 120'.

Rectifier Size: 60 V 30 A  
 Addn'l Depth: —  
 Depth Credit: 138'  
 Extra Cable: 241'  
 Ditch & 1 Cable: 991'  
 25' Meter Pole: —  
 20' Meter Pole: —  
 10' Stub Pole: yes

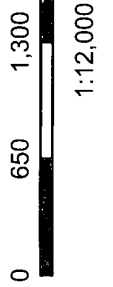
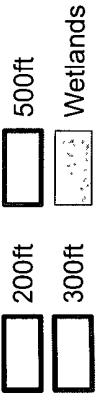
Note: Can plow A.C. down E.P.N.G R.O.W. from cables going to the #179. Need A.C. June. Box (Approx 3/10 mile)

Not: by EPNG  
 Bloomfield office





Wetlands data acquired from U.S. Fish and Wildlife  
<http://wetlandswms.er.usgs.gov>



NAD\_1983\_StatePlane\_ NMWest\_FIPS\_3003  
 Feet 6/08

## Wetland Requirements

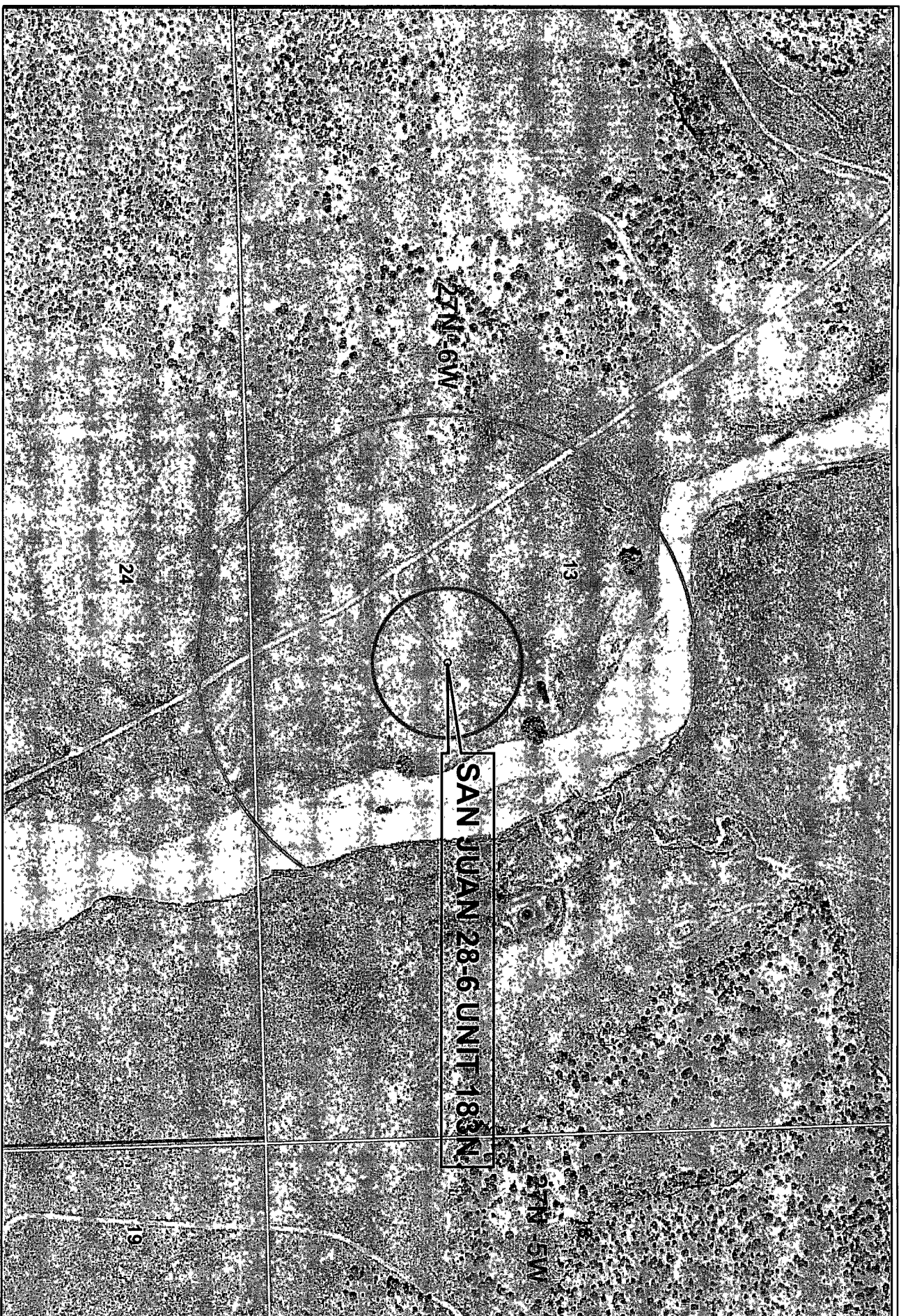
The **San Juan 28-6 Unit 183N** is located near a possible wetland as indicated on the topographic map provided with information from the USGS. Due to this a field inspection was performed on **July 7<sup>th</sup>, 2008** and it was determined the subject well does not meet the criteria of a wetland as defined by the Oil Conservation Division.

I hereby certify the above statement is true and accurate to the best of my ability.

*Crystal Tafuya*  
Regulatory Technician

7/18/08  
Date





Data Source  
Aerial flown locally Sedgewick in 2005.



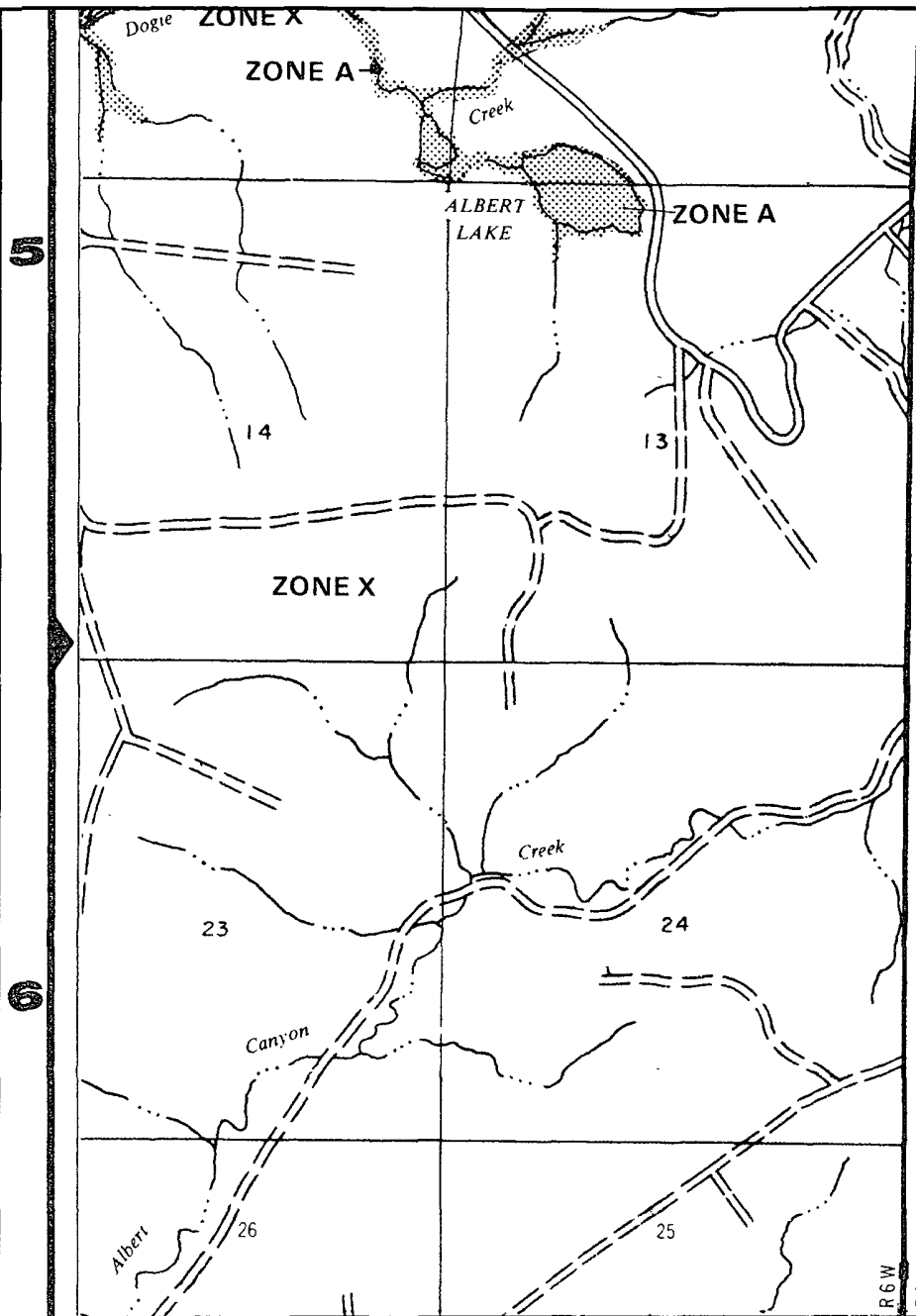
300ft



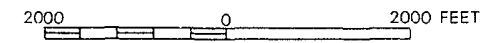
1000ft



NA1680983.SP  
NW West\_FIPS\_3003  
6/08



APPROXIMATE SCALE

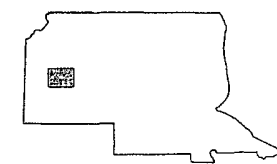


**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM  
FLOOD INSURANCE RATE MAP**

**RIO ARRIBA COUNTY,  
NEW MEXICO  
UNINCORPORATED AREAS**

**PANEL 550 OF 1325**  
(SEE MAP INDEX FOR PANELS NOT PRINTED)



PANEL LOCATION

**COMMUNITY-PANEL NUMBER**

**350049 0550 B**

**EFFECTIVE DATE:**

**JANUARY 5, 1989**



**Federal Emergency Management Agency**

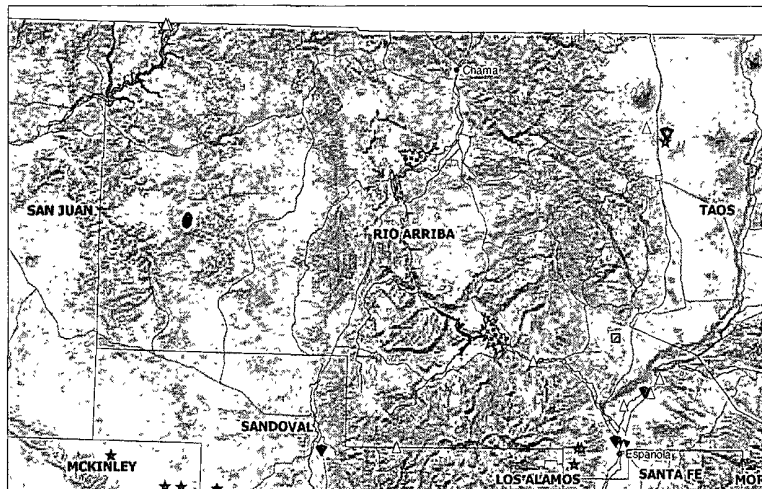
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



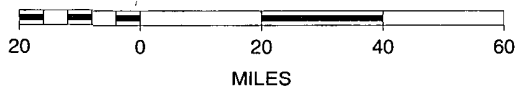
# SJ 28-6 #183N Mines, Mills & Quarries Web Map

## Mines, Mills & Quarries Commodity Groups

-  **Aggregate & Stone Mines**
-  **Coal Mines**
-  **Industrial Minerals Mines**
-  **Industrial Minerals Mills**
-  **Metal Mines and Mill Concentrate**
-  **Potash Mines & Refineries**
-  **Smelters & Refinery Ops.**
-  **Uranium Mines**
-  **Uranium Mills**



SCALE 1 : 1,942,550



## ***Hydrogeological report for San Juan 28-6 Unit #183N***

### **Regional Hydrogeological context:**

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line.

The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin).

Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use.

The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

**Siting Criteria Compliance Demonstrations**

The San Juan 28-6 Unit 183N is not located in an unstable area. The location is not over a mine and is not on the side of a hill. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse.



**ConocoPhillips Company**  
GRFS / PTRRC – San Juan Business Unit  
Juanita Farrell  
3401 East 30<sup>th</sup> Street  
Farmington, NM 87402  
Telephone: (505) 326-9597  
Facsimile: (505) 324-6136

July 7, 2008

**VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED**  
**7110-6605-9590-0025-8620**

Mr. Nick Candelaria  
511 East Broadway  
Farmington, NM 87401

Re: Pit Closure Notification  
**San Juan 28-6 Unit 171P**  
NE Section 24, T27N, R6W  
**San Juan 28-6 Unit 183N**  
SE Section 13, T27N, R6W  
Rio Arriba County, New Mexico

Dear Landowner:

Pursuant to Paragraph 1 (b) of Subsection F of 19.15.17.13 NMAC, an operator shall provide the surface owner of the operator's proposal to close a temporary pit on-site in compliance with the on-site closure methods specified in the same Subsection of the NMAC. In compliance of this requirement, please consider this notification of ConocoPhillips' intent to close the temporary pit on the above referenced location.

If you have any questions, please contact Mark Stallsmith @ (505) 324-6172 or the PTRRC Department @ (505) 324-6111.

Sincerely,

*Juanita Farrell*

Juanita Farrell  
Staff Associate, PTRRC

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

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-		*Pool Code 71599/72319	*Pool Name Blanco
*Property Code 7462		*Property Name SAN JUAN 28-6	*Well Number 183N
*OGRM No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	*Elevation 6322

10 Surface Location

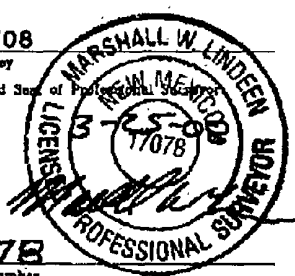
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	13	27 N	6 W		765	SOUTH	1883	EAST	RIO ARriba

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
0									

*Dedicated Acres 320 (E/2)	*Joint or Infill	*Consolidation Code	*Order No.
-------------------------------	------------------	---------------------	------------

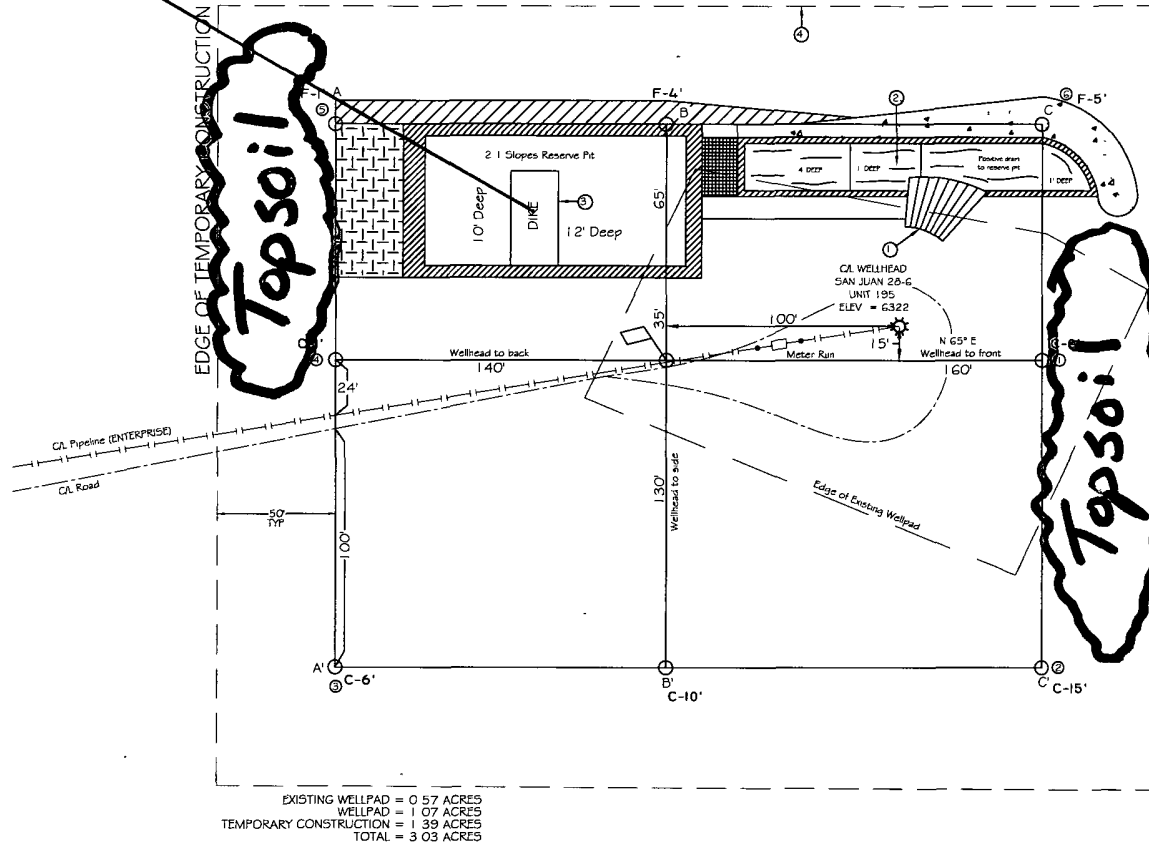
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 S 89°49' W (R) 5222.58' (R)	2637.03' (R)	S 89°36'39" W 2636.28'	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 undivided 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: <u>Crystal Walker</u> 3/26/08 Printed Name: <u>Crystal Walker</u> 3-26-08
SECTION 13  USA SF-079363			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: <u>3/08/08</u> Signature and Seal of Professional Surveyor: 
N 0°12' E (R) N 89°34' W (R)	NAD 83 LAT: 36.569242° N LONG: 107.416112° W NAD 27 LAT: 36°34.1540' N LONG: 107°26.9306' W 2633.73' (R)	765' N 89°50'14" W 2632.43'	5267.90' 17078 Certificate Number

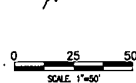
# Pit Location

Lat. 36.5693809°  
Long. 107.4163898°  
NAD 1983

BURLINGTON RESOURCES OIL & GAS COMPANY LP.  
SAN JUAN 28-G UNIT 183N - 765' FSL & 1883' FEL  
SECTION 13, T-27-N, R-6-W, N.M.P.M., RIO ARriba COUNTY, N.M.  
GROUND ELEVATION: 6322 - DATE: MARCH 8, 2008



LATITUDE 36°34'1540" N LONGITUDE 107°24'9306" W NAD 27



## PAD CONSTRUCTION SPECS

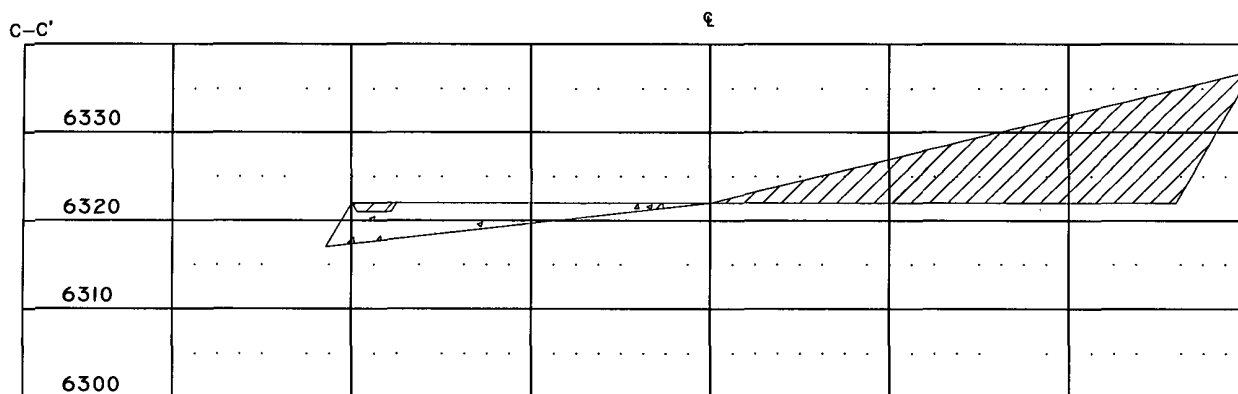
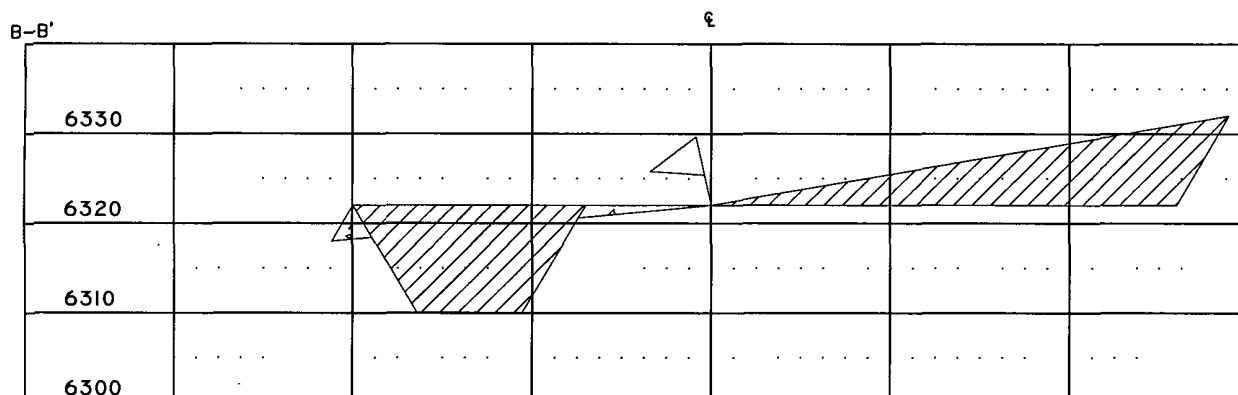
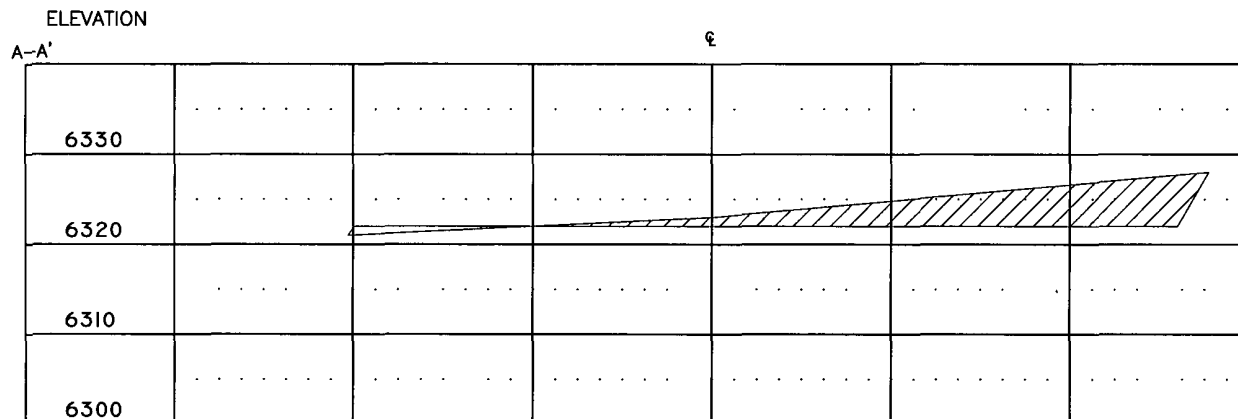
- 1) RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
- 2) APPROXIMATE 13x75' PIT AREA LINED WITH 12 MIL POLYLINER
- 3) RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW) 3' WIDE AND 1' ABOVE SHALLOW SIDE
- 4) EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/6' T-POST

## NOTES

- 1) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST
- 2) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

SURVEYED: 3/08/08	REV. DATE:	APP BY: M.W.L.
DRAWN BY: H.S.	DATE DRAWN: 3/11/08	FILE NAME: 8328L01
P.O. BOX 3651 FARMINGTON, NM 87499 OFFICE: (505)334-0408		

**BURLINGTON RESOURCES OIL & GAS COMPANY LP.**  
**SAN JUAN 28-6 UNIT 183N - 765' FSL & 1883' FEL**  
**SECTION 13, T-27-N, R-6-W, N.M.P.M., RIO ARriba COUNTY, N.M.**  
**GROUND ELEVATION: 6322 - DATE: MARCH 8, 2008**



1" = 50' - HORIZ.  
 1" = 20' - VERT.

**NOTES:**

- 1.) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

**SURVEYED: 3/08/08**

**REV. DATE:**

**APP. BY M.W.L.**

**DRAWN BY: H.S.**

**DATE DRAWN: 3/11/08**

**FILE NAME: 8328C01**



**P.O. BOX 3651  
 FARMINGTON, NM 87499  
 OFFICE: (505)334-0408**

**Burlington Resources Oil & Gas Company, LP**  
**San Juan Basin**  
**Pit Design and Construction Plan**

In accordance with Rule 19.15.17 the following information describes the design and construction of temporary pits on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

**General Plan:**

1. BR will design and construct a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
2. Prior to constructing the pit, topsoil will be stockpiled in the construction zone for later use in restoration.
3. BR will post a well sign, not less than 12" by 24", on the well site prior to construction of the temporary pit. The sign will list the operator on record as the operator; the location of the well site by unit letter, section, township range; and emergency telephone numbers.
4. BR shall construct all new fences utilizing 48" steel mesh field-fence (hogwire) on the bottom with a single strand of barbed wire on top. T-posts shall be installed every 12 feet and corners shall be anchored utilizing a secondary T-post. Temporary pits will be fenced at all times excluding drilling or workover operations, when the front side of the fence will be temporarily removed for operational purposes.
5. BR shall construct the temporary pit so that the foundation and interior slopes are firm and free of rocks, debris, sharp edges or irregularities to prevent liner failure.
6. BR shall construct the pit so that the slopes are no steeper than two horizontal feet to 1 vertical foot.
7. Pit walls will be walked down by a crawler type tractor following construction
8. All temporary pits will be lined with a 20-mil, string reinforced, LLDPE liner, complying with EPA SW-846 method 9090A requirements.
9. Geotextile will be installed beneath the liner when rocks, debris, sharp edges or irregularities cannot be avoided.
10. All liners will be anchored in the bottom of a compacted earth-filled trench at least 18 inches deep.
11. BR will minimize liner seams and orient them up and down, not across a slope. Factory seams will be used whenever possible. BR will ensure all field seams are welded by qualified personnel. Field seams will be overlapped four to six inches and will be oriented parallel to the line of maximum slope. BR will minimize the number of field seams in corners and irregularly shaped areas.
12. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
13. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
14. The volume of the pit shall not exceed 10 acre-feet, including freeboard.
15. Temporary blow pits will be constructed to allow gravity flow to discharge into lined drill pit.
16. The lower half of the blow pit (nearest lined pit) will be lined with the same 20 mil liner. The upper half of the blow pit will remain unlined as allowed in Rule 19.15.17.11 F.11.
17. BR will not allow freestanding liquids to remain on the unlined portion of a temporary blow pit.



**Burlington Resources Oil & Gas Company, LP**  
**San Juan Basin**  
**Maintenance and Operating Plan**

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of temporary pits on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

**General Plan:**

1. BR will operate and maintain a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
2. BR will conserve drilling fluids by transferring liquids to pits ahead of the rigs whenever possible. All other drilling fluids will be disposed at Basin Disposal Inc., permit # NM-01-005.
3. BR will not discharge or store any hazardous waste in any temporary pit.
4. If any pit liner's integrity is compromised, or if any penetration of the liner occurs above the liquid's surface, then BR shall notify the Aztec Division office by phone or email within 48 hours of the discovery and repair the damage or replace the liner.
5. If a leak develops below the liquid's level, BR shall remove all liquids above the damaged liner within 48 hours and repair the damage or replace the liner. BR shall notify the Aztec Division office by phone or email within 48 hours of the discovery for leaks less than 25 barrels BR shall notify the Aztec Division office as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's Environmental Bureau Chief.
6. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
7. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
8. BR shall immediately remove any visible layer of oil from the surface of the temporary pit after cessation of a drilling or workover operation. Oil absorbent booms will be utilized to contain and remove oil from the pit's surface. An oil absorbent boom will stored on-site until closure of pit.
9. Only fluids generated during the drilling or workover process may be discharged into a temporary pit.
10. BR will maintain the temporary pit free of miscellaneous solid waste or debris.
11. During drilling or workover operations, BR will inspect the temporary pit at least once daily to ensure compliance with this plan. Inspections will be logged in the IADC reports. BR will file this log with the Aztec Division office upon closure of the pit.
12. After drilling or workover operations, BR will inspect the temporary pit weekly so long as liquids remain in the temporary pit. A log of the inspections will be stored at BR's office electronically and will be filed with the Aztec Division office upon closure of the pit.
13. BR shall maintain at least two feet of freeboard for a temporary pit.
14. BR shall remove all free liquids from a temporary pit within 30 days from the date the operator releases the drilling rig.
15. BR shall remove all free liquids from a cavitation pit within 48 hours after completing cavitation. BR may request additional time to remove liquids from the Aztec Division office if it is not feasible to remove liquids within 48 hours.

# **Burlington Resources Oil & Gas Company, LP**

## **San Juan Basin**

### **Closure Plan**

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of temporary pits on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable.
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results
- C-105
- Copy of Deed Notice will be filed with County Clerk

#### **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.
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.
3. The surface owner shall be notified of BR's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.
4. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.
5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
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.
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.
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.

<b>Components</b>	<b>Tests Method</b>	<b>Limit (mg/Kg)</b>
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	1000/500

9. A five point composite sample will be taken from the cavitation pit pursuant to 19.15.17.13(B)(1)(b)(i) in order to assure there has not been any type of release.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	500

10. 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.
11. 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.
12. 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
13. 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.
14. Notification will be sent to OCD when the reclaimed area is seeded.
15. BR 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.

Type	Variety or Cultivator	PLS/A
Western wheatgrass	Arriba	3.0
Indian ricegrass	Paloma or Rimrock	3.0
Slender wheatgrass	San Luis	2.0
Crested wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbrush	Delar	.25

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

**Present Pure Live Seed (PLS) = Purity X Germination/100**

**Two lots of seed can be compared on the basis of PLS as follows:**

Source No. One (poor quality)

Purity 50 percent

Germination 40 percent

Percent PLS 20 percent

**5 lb. bulk seed required to make**

**1 lb. PLS**

Source No. two (better quality)

Purity 80 percent

Germination 63 percent

Percent PLS 50 percent

**2 lb. bulk seed required to make**

**1 lb. PLS**

16. 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.

**Burlington Resources Oil & Gas Company, LP**  
**San Juan Basin**  
**Below Grade Tank Design and Construction**

In accordance with NMAC 19.15.17 the following information describes the design and construction of below grade tanks on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all below grade tanks (BGT). A separate plan will be submitted for any BGT which does not conform to this plan.

General Plan:

1. BR will design and construct a BGT to contain liquids and to prevent contamination of fresh water and protect public health and environment.
2. BR will use the general location sign posted on location. If no general sign is posted a separate sign at the location of the BGT will be provided.
3. BR shall construct fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church.
4. BR will construct a expanded metal covering on the top of the BGT
5. BR shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight.
6. The BR below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom.
7. BR shall construct a below-grade tank to prevent overflow and the collection of surface water run-on.
8. BR will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.
9. BR shall equip below-grade tanks designed in this manner with a properly operating automatic high-level shut-off control device and manual controls to prevent overflows.
10. The geomembrane liner shall consist of 30-mil flexible PVC or 60-mil HDPE liner, or an equivalent liner material that the appropriate division district office approves. The geomembrane liner shall have a hydraulic conductivity no greater than  $1 \times 10^{-9}$  cm/sec. The geomembrane liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidic and alkaline solutions. The liner material shall be resistant to

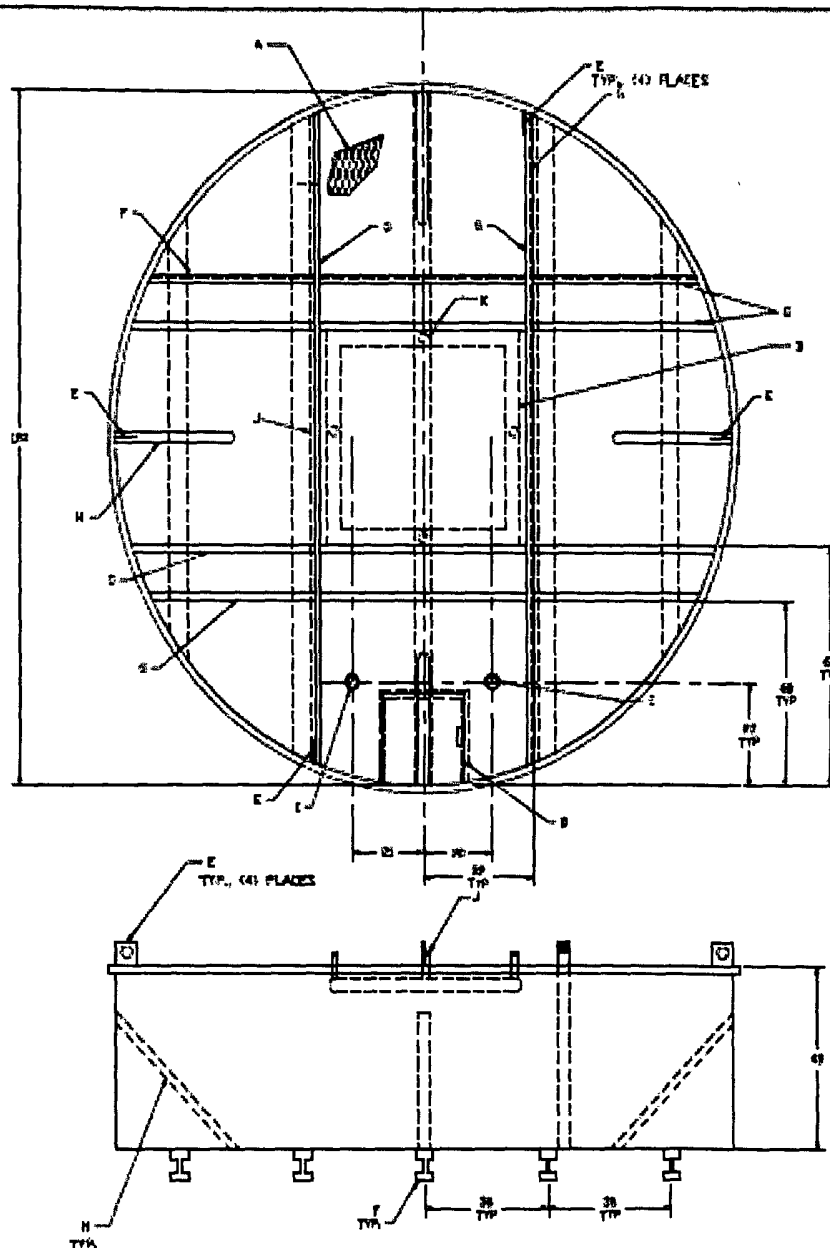
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ultraviolet light. Liner compatibility shall comply with EPA SW-846 method 9090A.

11. The general specification for design and construction are attached in the BR document.

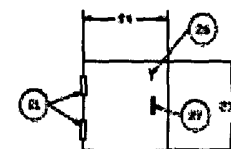
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120 BBL PIT TANKS  
AUTOCAD DRAWING - ELEVENTS



ITEM	DESCRIPTION	QUANTITY
A	Standard 1/2" x 1/2" spaced steel mesh	15.42
B	Access door	425.429
C	Loaders (1/2" x 1/2" spaced in 12 squares)	4.1
D	1/2" x 1/2" spaced in 12 squares	4.2
E	Loaders	7
F	1/2" x 1/2" spaced in 12 squares	5
G	1/2" x 1/2" spaced in 12 squares	421.429
H	1/2" x 1/2" spaced in 12 squares	21.4
I	1/2" x 1/2" spaced in 12 squares	42.4
J	1/2" x 1/2" spaced in 12 squares	42.4
K	1/2" x 1/2" spaced in 12 squares	42.4
L	1/2" x 1/2" spaced in 12 squares	4.1
M	1/2" x 1/2" spaced in 12 squares	4.1

NOZZLE SCHEDULE		
ITEM	SIZE	DESCRIPTION
1	1/2"	1/2" x 1/2" spaced in 12 squares
2	1/2"	1/2" x 1/2" spaced in 12 squares
3	1/2"	1/2" x 1/2" spaced in 12 squares



										REVISIONS			CONSTRUCTION			CONSTRUCTION		CONSTRUCTION			
										NO.	DATE	BY	CHKD.	APP.	REVISION	NO.	DATE	BY	CHKD.	APP.	REVISION
										1	10/1/84					1	10/1/84				
										2						2					
										3						3					
										4						4					
										5						5					
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REVISIONS										CONSTRUCTION			CONSTRUCTION			CONSTRUCTION		CONSTRUCTION			
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ConocoPhillips  
SAN JUAN BUSINESS UNIT

120 BBL  
PIT TANK

DATE	10/1/84	DATE	10/1/84	DATE	10/1/84
TIME	10:00 AM	TIME	10:00 AM	TIME	10:00 AM
BY	J. L. RAY	BY	J. L. RAY	BY	J. L. RAY
NO.	120-PT-REVA	NO.	120-PT-REVA	NO.	120-PT-REVA

**Burlington Resources Oil & Gas Company, LP**  
**San Juan Basin**  
**Below Grade Tank Maintenance and Operating Plan**

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of Below Grade Pit (BGT) on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all BGT. A separate plan will be submitted for any BGT which does not conform to this plan.

**General Plan:**

1. BR will operate and maintain a BGT to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
2. BR shall not allow a below-grade tank to overflow or allow surface water run-on to enter the below-grade tank.
3. BR shall continuously remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime.
4. BR shall inspect the below-grade tank at least monthly and maintain a written record of each inspection for five years.
5. BR shall maintain adequate freeboard to prevent overtopping of the below-grade tank.



**Burlington Resources Oil & Gas Company, LP**  
**San Juan Basin**  
**Below Grade Tank Closure Plan**

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on Burlington Resources Oil & Gas Company, LP locations hereinafter known as BR locations. This is BR's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

General Requirements:

1. BR shall close a below-grade tank within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
2. BR shall close an existing below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
3. BR shall close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on C-144
4. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility.
5. BR shall remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.
6. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
7. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100

7/8/2008

mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. BR shall notify the division of its results on form C-141.

8. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.
9. If contamination is confirmed by field sampling. BR will follow the Guidelines For Remediation Of Leaks, Spills, and Releases NMOCD August 1993 when remediating contaminants identified
10. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
11. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
12. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Details on Capping and Covering, where applicable.
  - Inspection Reports
  - Sampling Results
13. 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.
14. BR 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.

15. 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.
16. The surface owner shall be notified of BR's closing of the below-grade tank as per the approved closure plan using certified mail, return receipt requested.

7/8/2008

