

**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

July 21, 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  
☐ Modification to an existing permit  
☒ Closure plan only submitted for an existing permitted or non-permitted 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

1  
Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538 RCVD JUL 31 '08  
Address: PO Box 4289, Farmington, NM 87499 OTI CONS DIV  
Facility or well name: W M Hanley #1F DIST. C  
API Number: 30-045-34555 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr: N(SSEW) Section: 18 Township: 29N Range: 10W County: San Juan  
Center of Proposed Design: Latitude: 36.72087' N Longitude: 107.92891' W NAD: ☐ 1927 ☒ 1983  
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2  
☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC  
Temporary: ☒ Drilling ☐ Workover  
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A  
☒ Lined ☐ Unlined Liner type: Thickness 12 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☒ String-Reinforced  
Liner Seams: ☒ Welded ☒ Factory ☐ Other \_\_\_\_\_ Volume: 4400 bbl Dimensions L 65' x W 45' x D 10'

3  
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC  
Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other \_\_\_\_\_  
☐ Lined ☐ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVD ☐ Other \_\_\_\_\_  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_

4  
☐ **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 \_\_\_\_\_

5  
☐ **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6

**Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pit, 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 \_\_\_\_\_

7

**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*)

8

**Signs:** Subsection C of 19.15.17.11 NMAC

☐

12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒

Signed in compliance with 19.15.3.103 NMAC

9

**Administrative Approvals and Exceptions:**

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:*

☐

Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval

☐

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

10

**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.**

- NM Office of the State Engineer - iWATERS database search; 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 500 feet of a wetland.**

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

☐ Yes

☒ No

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

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

☐ Yes

☒ No

**Within an unstable area.**

- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes

☒ No

**Within a 100-year floodplain**

- FEMA map

☐ Yes

☒ No

11

**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  
☒ 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 \_\_\_\_\_ or Permit \_\_\_\_\_

12

**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 (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  
☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API \_\_\_\_\_

☐ Previously Approved Operating and Maintenance Plan API \_\_\_\_\_

13

**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

14

**Proposed Closure:** 19.15.17.13 NMAC

*Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.*

Type. ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Closed-loop System  
☐ Alternative

Proposed Closure Method. ☒ Waste Excavation and Removal  
☐ Waste Removal (Closed-loop systems only)  
☐ On-site Closure Method (only for temporary pits and closed-loop systems)  
☐ In-place Burial ☐ On-site Trench  
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15

**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 Above Ground Steel Tanks or 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. Use attachment if more than two facilities are required.*

Disposal Facility Name. \_\_\_\_\_ Disposal Facility Permit #. \_\_\_\_\_

Disposal Facility Name \_\_\_\_\_ Disposal Facility Permit #: \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?  
☐ Yes (If yes, please provide the information) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

- ☐ Soil Backfill and Cover Design Specification - 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

**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. Justifications 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.

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

☐ Yes ☒ No

☐ N/A

Ground water is between 50 and 100 feet below the bottom of the buried waste

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

☒ Yes ☐ No

☐ N/A

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

☐ N/A

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 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

☒ Yes ☐ No

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 the initial application

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

☐ Yes ☒ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance 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 500 feet of a wetland

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

☐ Yes ☒ No

Within the area overlying a subsurface mine.

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

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ No

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

- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 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 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 I of 19.15.17.13 NMAC  
☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19

**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: Crystal Tafoya Date: 7/31/08  
 e-mail address: crystal.tafoya@conocophillips.com Telephone: 505.826-9837

20

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

**OCD Representative Signature:** Brenda Orell **Approval Date:** 8-5-08

**Title:** Enviro/spec **OCD Permit Number:** \_\_\_\_\_

21

**Closure Report (required within 60 days of closure completion):** Subsection K of 19 15 17 13 NMAC

*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed*

☐ **Closure Completion Date:** \_\_\_\_\_

22

**Closure Method:**

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

23

**Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

*Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.*

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

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

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

- ☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

- ☐ Site Reclamation (Photo Documentation)  
☐ Soil Backfilling and Cover Installation  
☐ Re-vegetation Application Rates and Seeding Technique

24

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

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

On-site Closure Location: Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ NAD ☐ 1927 ☐ 1983

25

**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: 29N Range: 10W 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 07/31/2008**

(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 36732 DCL	29N	10W	25	2						500	450	5
SJ 00785 S	29N	10W	04	2	4	2				20		
SJ 00680	29N	10W	13	2	2					40	10	3
SJ 00785 NEW	29N	10W	13	4						60	20	4
SJ 00785 S-2	29N	10W	13	4						60	20	4
SJ 03023	29N	10W	18	1	3	1				90	65	2
SJ 03502	29N	10W	18	1	3	1				150		
SJ 03081	29N	10W	18	3	1	4				20		
SJ 02078	29N	10W	19	3	1	1				40	9	3
SJ 00303	29N	10W	19	3	3					20	5	1
SJ 02860	29N	10W	19	4	4	4				21	2	1
SJ 02900	29N	10W	20	3	1	2				70		
SJ 01140	29N	10W	20	3	2	2				25	6	1
SJ 01990	29N	10W	20	4	1					40	12	2
SJ 02548	29N	10W	20	4	4					12	2	1
SJ 02547	29N	10W	20	4	4					12	2	1
SJ 03535	29N	10W	21	3	2	3				15		
SJ 03455	29N	10W	21	3	3	1				20	17	
SJ 03456	29N	10W	21	3	3	2				20	17	
SJ 03441	29N	10W	21	4	3	3				40	30	1
SJ 03470	29N	10W	21	4	3	4				20	7	1
SJ 01474	29N	10W	21	4	4					25		
SJ 03180	29N	10W	21	4	4	4				50	15	3
SJ 03713 POD1	29N	10W	22	2	3					265	20	24
SJ 02820	29N	10W	23	4	1	1				82	16	6
SJ 02896	29N	10W	24	1	4	1				110	34	7
SJ 02275	29N	10W	24	1	4	2				40	20	2
SJ 00092	29N	10W	24	2	4	2				33		

<b>SJ 02802</b>	29N	10W	24	3	1	2			132	30	10	
<b>SJ 02907</b>	29N	10W	24	3	2	3			60			
<b>SJ 02122</b>	29N	10W	25	4	1				60	12	4	
<b>SJ 01019</b>	29N	10W	26	4	3	3			50	4	4	
<b>SJ 01056</b>	29N	10W	27	3	2				50	31	1	
<b>SJ 02216</b>	29N	10W	28	1	2				30	7	2	
<b>SJ 03582</b>	29N	10W	28	1	3	3			10	4		
<b>SJ 02151</b>	29N	10W	28	2	1	2	W	484600	2075600	37	20	1
<b>SJ 03652</b>	29N	10W	28	2	2	1			34	6	2	
<b>SJ 03142</b>	29N	10W	28	2	2	2			38	22	1	
<b>SJ 03637</b>	29N	10W	28	2	3	1			21	10	1	
<b>SJ 03582 POD2</b>	29N	10W	28	2	3	3			28	5	2	
<b>SJ 02840</b>	29N	10W	28	3	4	1			55	32	2	
<b>SJ 00506</b>	29N	10W	28	4	3				78	55	2	
<b>SJ 00662</b>	29N	10W	28	4	4	3			93	70	2	
<b>SJ 00497</b>	29N	10W	29	3	2	3			85	35	5	
<b>SJ 03777 POD1</b>	29N	10W	29	4	4	2		270344	2071311	100	50	5
<b>SJ 00473</b>	29N	10W	30	2	4				58	10	4	
<b>SJ 03743 POD1</b>	29N	10W	33	4	4	3			490	140	35	
<b>SJ 01051</b>	29N	10W	35	2	2	2			90	30	6	
<b>SJ 01050</b>	29N	10W	36	1	4				85	38	4	

Record Count: 49

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

Township: 29N Range: 11W 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 07/31/2008**

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

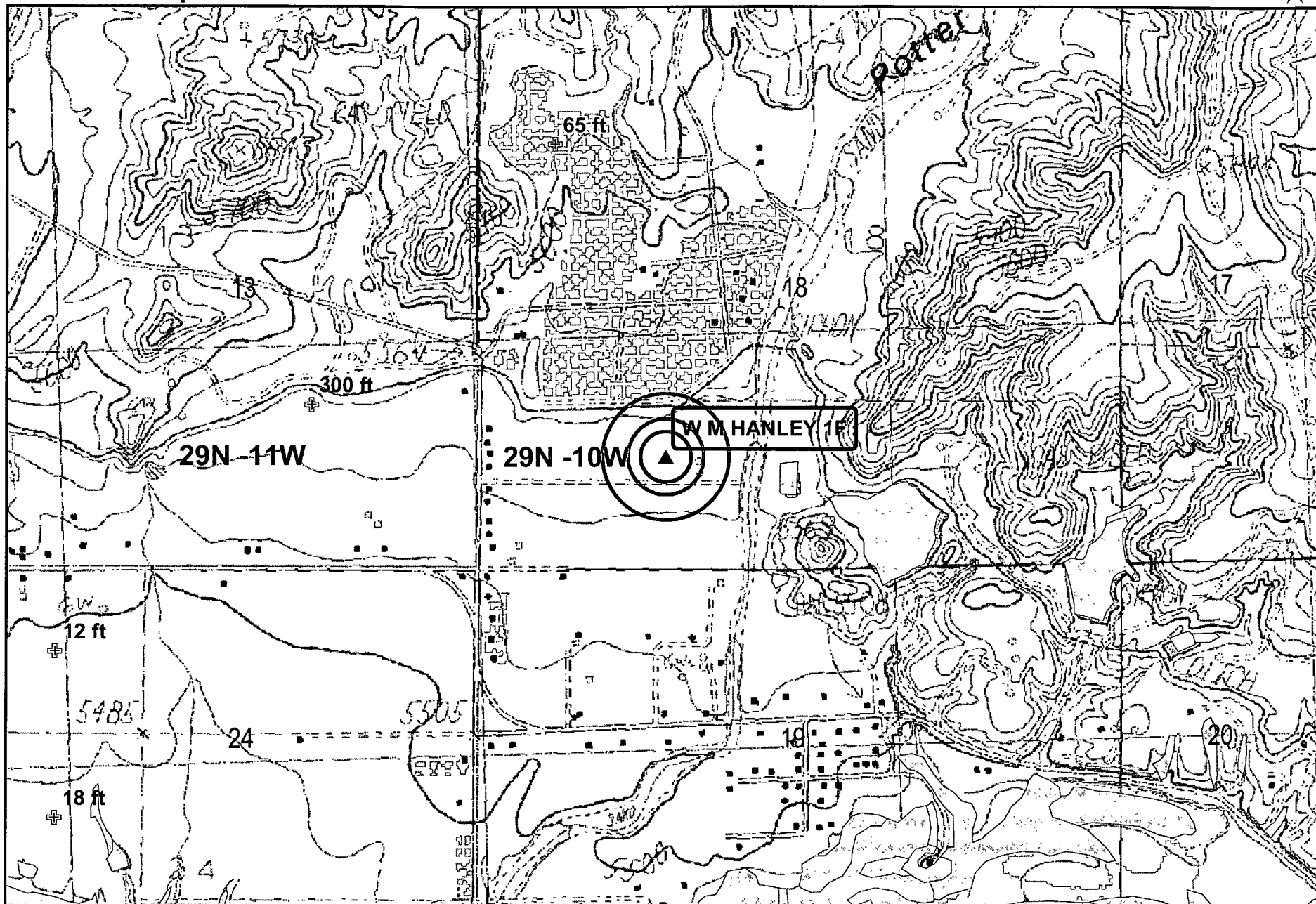
POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
SJ 00867	29N	11W	07	4						77	55	2
SJ 01302	29N	11W	07	4	1					250	210	4
SJ 01891	29N	11W	07	4	1	3				157		
SJ 01851	29N	11W	10	4	4					125	48	7
SJ 02466 S	29N	11W	11	4	3	3				65		
SJ 02466	29N	11W	11	4	3	3				66		
SJ 02991	29N	11W	13	3	4	2				60		
SJ 03136	29N	11W	13	3	4	4				20		
SJ 00987	29N	11W	13	4						415	300	11
SJ 01426	29N	11W	14	1	4					155	10	14
SJ 00007	29N	11W	14	2	2	3				752		
SJ 03550	29N	11W	14	3	2	1				10		
SJ 01774	29N	11W	14	3	4	2				82	6	7
SJ 03360	29N	11W	14	3	4	2				40		
SJ 03175	29N	11W	14	4	2	1				60	24	3
SJ 03164	29N	11W	14	4	2	1				75	56	1
SJ 03733 POD1	29N	11W	15	4	2	1				64	20	4
SJ 02378	29N	11W	15	4	3	2				75	12	6
SJ 03579	29N	11W	15	4	4	1				83	30	5
SJ 02141	29N	11W	16	4	3	4				110	40	7
SJ 02926	29N	11W	17	2	4	3				375	80	29
SJ 03399	29N	11W	17	4	2					100		
SJ 00487	29N	11W	17	4	4					60	6	5
SJ 02868	29N	11W	17	4	4	4				50		
SJ 01641	29N	11W	19	2	2	3				120	55	6
SJ 02026	29N	11W	19	3	1			440000	2077700	27	6	2
SJ 02970	29N	11W	19	4	3	2				100	18	8
SJ 01250	29N	11W	19	4	4					60	20	4



<u>SJ 02869</u>	29N	11W	20	2	2	1	50		
<u>SJ 00583</u>	29N	11W	20	3	3	2	150	30	12
<u>SJ 01355</u>	29N	11W	20	4	4		36	3	3
<u>SJ 00452</u>	29N	11W	21				42	10	3
<u>SJ 01969</u>	29N	11W	21	2			65	55	1
<u>SJ 00701 CLW312190</u>	29N	11W	21	2	2		70	14	5
<u>SJ 00701</u>	29N	11W	21	2	2	1	73		
<u>SJ 03350</u>	29N	11W	21	2	2	3	50		
<u>SJ 01090</u>	29N	11W	21	2	4		31	12	1
<u>SJ 02863</u>	29N	11W	21	2	4	1	52	20	3
<u>SJ 03659</u>	29N	11W	21	3	2	2	45	10	3
<u>SJ 01888</u>	29N	11W	21	4	2	2	47	8	3
<u>SJ 02200</u>	29N	11W	22				60	22	3
<u>SJ 01557</u>	29N	11W	22	1	2		70	11	5
<u>SJ 00796</u>	29N	11W	22	1	2		50	8	4
<u>SJ 00704</u>	29N	11W	22	1	2		55	20	3
<u>SJ 01703</u>	29N	11W	22	1	2		68	3	6
<u>SJ 03747 POD1</u>	29N	11W	22	1	2	3	47	27	2
<u>SJ 02813</u>	29N	11W	22	1	2	3	59	16	4
<u>SJ 01214</u>	29N	11W	22	1	3		49	12	3
<u>SJ 00484</u>	29N	11W	22	1	3	1	37	10	2
<u>SJ 00320</u>	29N	11W	22	1	3	1	38	10	2
<u>SJ 03532</u>	29N	11W	22	1	3	3	49	14	3
<u>SJ 00151</u>	29N	11W	22	1	3	4	45	18	2
<u>SJ 02721</u>	29N	11W	22	1	4			59	
<u>SJ 03503</u>	29N	11W	22	2	3	3	72	18	5
<u>SJ 02578</u>	29N	11W	22	2	3	3	58	24	3
<u>SJ 03093</u>	29N	11W	22	2	3	4	42	22	2
<u>SJ 03189</u>	29N	11W	22	3	2	1	45	20	2
<u>SJ 03188</u>	29N	11W	22	3	2	2	45	11	3
<u>SJ 02020</u>	29N	11W	22	3	3		27	6	2
<u>SJ 02138</u>	29N	11W	22	4	2		40	7	3
<u>SJ 02529</u>	29N	11W	22	4	2	3	30	9	2
<u>SJ 03479</u>	29N	11W	22	4	2	3	43	4	3
<u>SJ 03049</u>	29N	11W	22	4	2	4	33	10	2
<u>SJ 00696</u>	29N	11W	22	4	3		34	12	2
<u>SJ 01974</u>	29N	11W	22	4	3	3	47	11	3
<u>SJ 03567</u>	29N	11W	23	1	2	3	50	22	2
<u>SJ 03557</u>	29N	11W	23	1	3	1	50	15	3
<u>SJ 03558</u>	29N	11W	23	1	3	1	50	15	3
<u>SJ 03559</u>	29N	11W	23	1	3	4	45	15	3
<u>SJ 00812</u>	29N	11W	23	1	4		44		
<u>SJ 03546</u>	29N	11W	23	1	4	2	50	15	3
<u>SJ 03591</u>	29N	11W	23	1	4	4	55	20	3
<u>SJ 01870</u>	29N	11W	23	2			58	30	2
<u>SJ 03130</u>	29N	11W	23	2	1	3	50	30	2
<u>SJ 03201</u>	29N	11W	23	2	1	3	60	30	3
<u>SJ 03353</u>	29N	11W	23	2	1	3	45	25	2
<u>SJ 01610</u>	29N	11W	23	2	2		52	25	2
<u>SJ 01573</u>	29N	11W	23	2	3		41	21	2
<u>SJ 03073</u>	29N	11W	23	2	3	1	30		
<u>SJ 03286</u>	29N	11W	23	3	3	1	38	28	1
<u>SJ 02799</u>	29N	11W	23	4	1	1	56	15	4
<u>SJ 03548</u>	29N	11W	23	4	1	1	50	15	3
<u>SJ 01962</u>	29N	11W	24	1	2	2	45	12	3
<u>SJ 03343</u>	29N	11W	24	1	4	1	35	18	1
<u>SJ 00804</u>	29N	11W	25	1	4		37	25	1
<u>SJ 01808 0-5</u>	29N	11W	26	3	1	1	52	43	
<u>SJ 02121</u>	29N	11W	27	1	1		30	6	2

<u>SJ 02210</u>	29N	11W	27	1	1			32	8	2
<u>SJ 03588</u>	29N	11W	27	1	1	2				
<u>SJ 02227</u>	29N	11W	27	1	1	4		27	6	2
<u>SJ 00700</u>	29N	11W	27	1	3	3		20	7	1
<u>SJ 01808 0-4</u>	29N	11W	27	2	3	3		32	25	
<u>SJ 01808 0-1</u>	29N	11W	27	2	4	2		25	17	
<u>SJ 01808 0-2</u>	29N	11W	27	2	4	3		27	19	
<u>SJ 01808 0-3</u>	29N	11W	27	2	4	4		39	34	
<u>SJ 02664</u>	29N	11W	27	3	2			40	26	1
<u>SJ 02664 S</u>	29N	11W	27	3	2			38	23	1
<u>SJ 02664 S-2</u>	29N	11W	27	3	2			34	19	1
<u>SJ 02664 S-3</u>	29N	11W	27	3	2			41	30	1
<u>SJ 02664 S-9</u>	29N	11W	27	3	2			33	19	1
<u>SJ 02664 S-4</u>	29N	11W	27	3	2			42	30	1
<u>SJ 02664 S-10</u>	29N	11W	27	3	2			33	19	1
<u>SJ 02664 S-5</u>	29N	11W	27	3	2			41	30	1
<u>SJ 02664 S-6</u>	29N	11W	27	3	2			40	28	1
<u>SJ 02664 S-7</u>	29N	11W	27	3	2			37	23	1
<u>SJ 02664 S-8</u>	29N	11W	27	3	2			35	25	1
<u>SJ 02148</u>	29N	11W	27	4	2			305	186	11
<u>SJ 01808 0-6</u>	29N	11W	27	4	2	1		50		
<u>SJ 03762 POD1</u>	29N	11W	28	1	1		267348 2075529	27	15	1
<u>SJ 03476</u>	29N	11W	28	1	1	2		65		
<u>SJ 03415</u>	29N	11W	28	1	2	1		60	20	4
<u>SJ 02559</u>	29N	11W	28	1	2	4		15	7	
<u>SJ 02330</u>	29N	11W	28	2	1			128	115	1
<u>SJ 03021</u>	29N	11W	28	2	1	3		16	5	1
<u>SJ 01606</u>	29N	11W	28	2	2			35	8	2
<u>SJ 03468</u>	29N	11W	28	2	4		367704 2073506	50		
<u>SJ 03469</u>	29N	11W	28	2	4	3		50		
<u>SJ 02713</u>	29N	11W	28	3	1	1		26	12	1
<u>SJ 02858</u>	29N	11W	28	3	1	3		40		
<u>SJ 02714</u>	29N	11W	28	3	2			43	28	1
<u>SJ 02708</u>	29N	11W	28	3	2			26	12	1
<u>SJ 03149</u>	29N	11W	28	4	2	2		60	35	2
<u>SJ 03475</u>	29N	11W	29	1	1	3		40	20	2
<u>SJ 00292</u>	29N	11W	29	2	1	4		24	9	1
<u>SJ 01554</u>	29N	11W	29	2	2			35	18	1
<u>SJ 02038</u>	29N	11W	29	4	1			14	4	1
<u>SJ 03298</u>	29N	11W	29	4	1	1		70	6	6
<u>SJ 02023</u>	29N	11W	29	4	2			24	7	1
<u>SJ 02182</u>	29N	11W	29	4	2			27	11	1
<u>SJ 00822</u>	29N	11W	29	4	3			34	15	1
<u>SJ 03421</u>	29N	11W	29	4	4	3		50	28	2
<u>SJ 01391</u>	29N	11W	30	2				40	25	1
<u>SJ 03348</u>	29N	11W	30	2	1	3		60		
<u>SJ 01260</u>	29N	11W	30	2	2			42	16	2
<u>SJ 01264</u>	29N	11W	30	2	2			27	12	1
<u>SJ 01328</u>	29N	11W	30	2	2			28	15	1
<u>SJ 01821</u>	29N	11W	30	2	4			70	6	6
<u>SJ 00875</u>	29N	11W	30	4	1			37	20	1
<u>SJ 02922</u>	29N	11W	31	3	2	2		75		
<u>SJ 03795 POD1</u>	29N	11W	31	3	2	4	266438 2067001	75	45	3
<u>SJ 03541</u>	29N	11W	31	3	4	1		80	40	4
<u>SJ 00441</u>	29N	11W	32	2	2					
<u>SJ 00103</u>	29N	11W	32	4	4	4		263		
<u>SJ 00103 S</u>	29N	11W	32	4	4	4		254		
<u>SJ 03666</u>	29N	11W	33	2	1	3		49	30	1

Record Count: 145



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

**Ground Water**

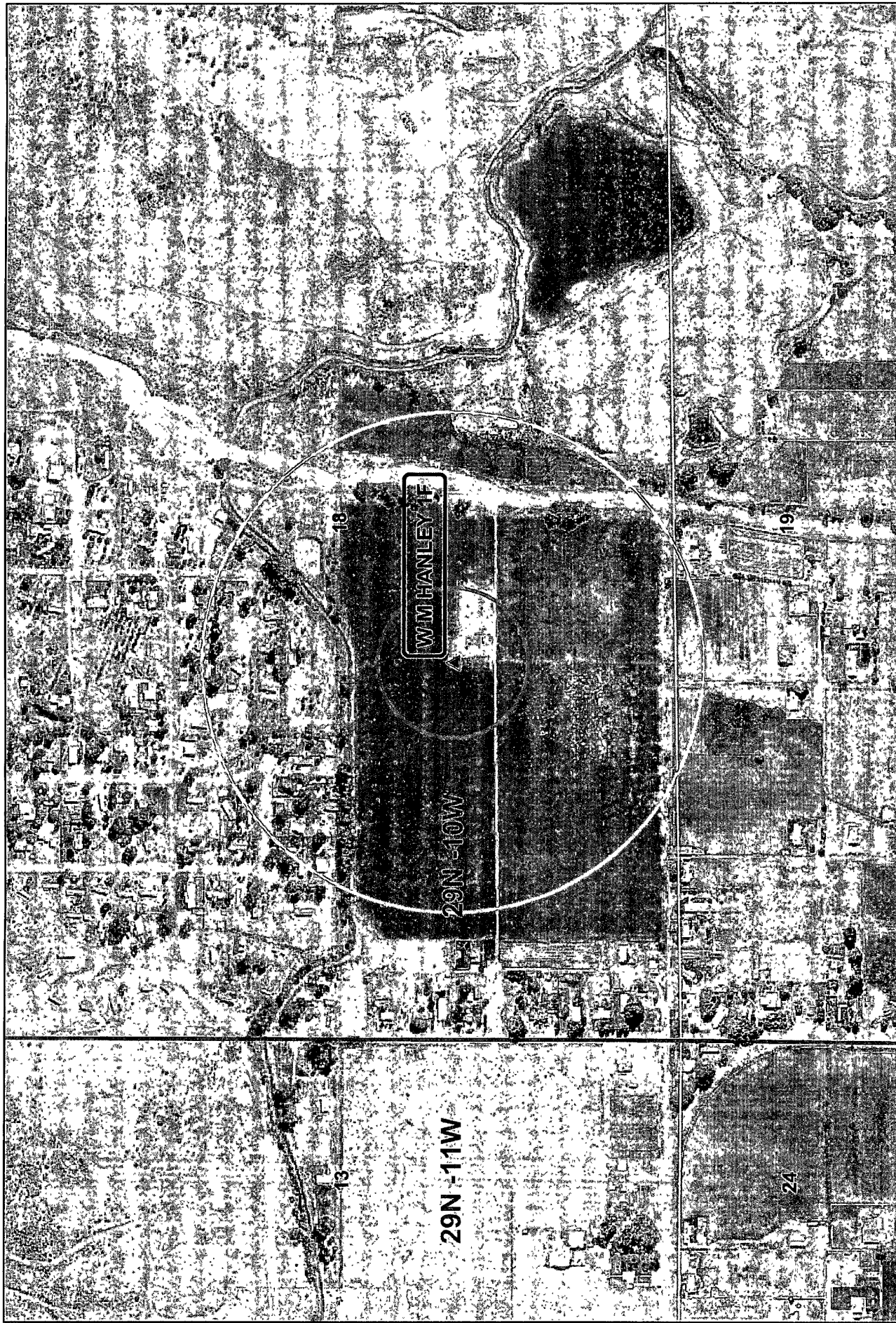
+ iWaters  
+ COP

**Buffers**

200ft 500ft  
300ft Wetlands

0 800 1,600  
Feet  
1:12,000

NAD\_1983\_StatePlane\_  
NMWest\_FIPS\_3003  
7/08



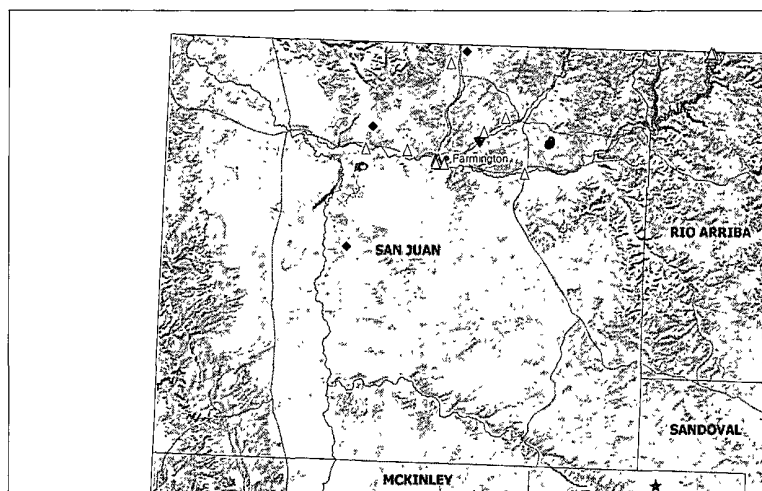
Data Source  
Aerial flown locally Sedgewick in 2005.

NAD\_1983\_SP  
NM West\_FIPS\_3003  
7/08

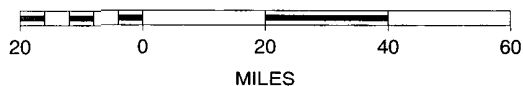
# W M Hanley #1F Mines, Mills and Quarries Web Map

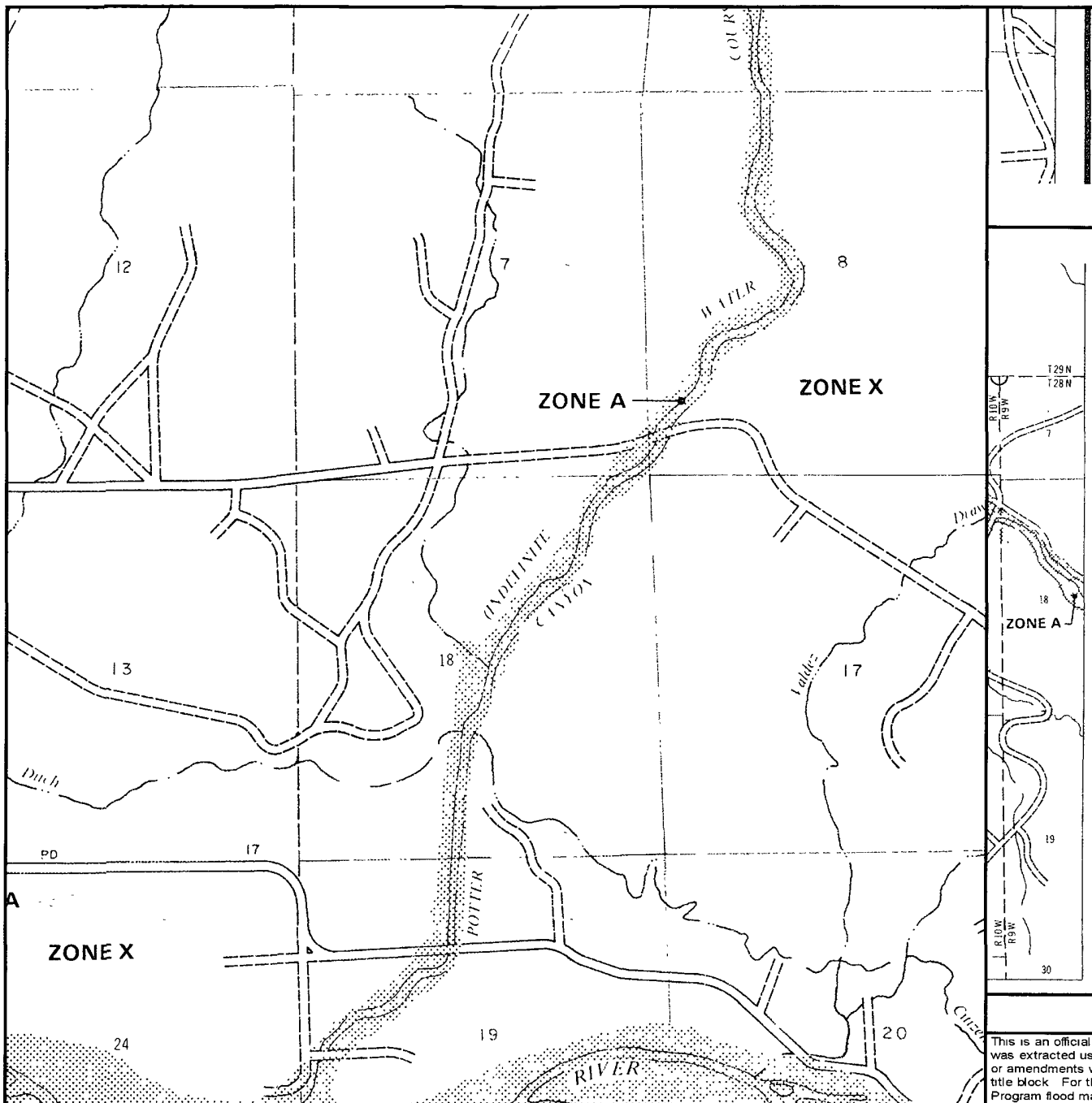
## Mines, Mills & Quarries Commodity Groups

- △ 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 : 1,934,749





APPROXIMATE SCALE

2000

0

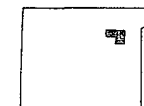
NATIONAL FLOOD INSURANCE PROGRAM

# **FIRM** FLOOD INSURANCE RATE MAP

SAN JUAN COUNTY,  
NEW MEXICO  
UNINCORPORATED AREAS

PANEL 550 OF 1450

(SEE MAP INDEX FOR PANELS NOT PRINTED)



PANEL LOCATION

COMMUNITY-PANEL NUMBER

350064 0550 B

EFFECTIVE DATE:

AUGUST 4, 1988



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)

**Siting Criteria Compliance Demonstrations**

The W M Hanley #1F 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 be excavated and hauled due to the siting criteria not being met.





**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 11, 2008

**VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED**  
**7110-6605-9590-0025-9290**

Florence P. Johnson  
Maurine Oneill  
11546 Lake Run Road  
South Jordan, YT 84095

Subject: WM Hanley 1F  
SW Section 18, T29N, R10W  
San Juan 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 Steven Gillette @ (505) 326-9883 or the PTRRC Department @ (505) 324-6111.

Sincerely,

*Juanita Farrell*

Juanita Farrell  
Staff Associate, PTRRC

DISTRICT I  
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name BASIN DAKOTA
<sup>4</sup> Property Code A723170	<sup>5</sup> Property Name WM HANLEY		<sup>6</sup> Well Number #1F
<sup>7</sup> GRID No.	<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		<sup>9</sup> Elevation 5558'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	18	29N	10W		870'	SOUTH	1500'	WEST	SAN JUAN

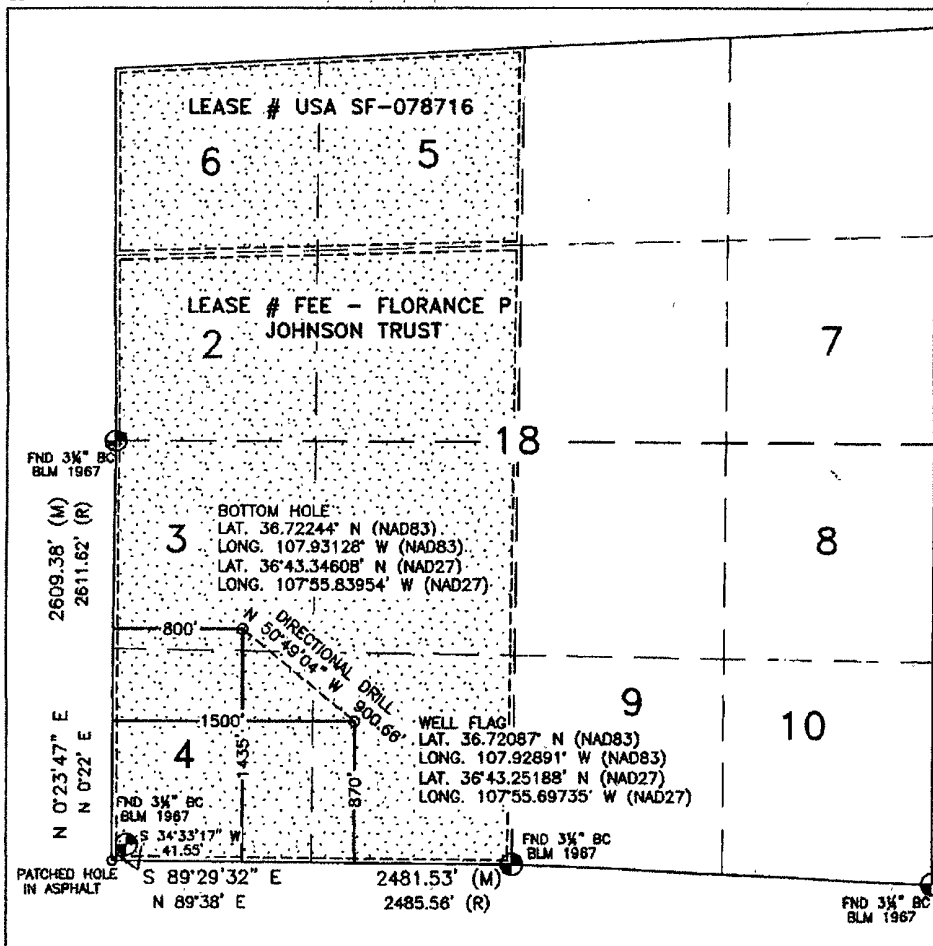
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	29N	10W	3	1435'	SOUTH	800'	WEST	SAN JUAN

<sup>12</sup> Dedicated Acres 307.25 Acres - (W/2)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



<sup>17</sup> OPERATOR CERTIFICATION

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

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

<sup>18</sup> SURVEYOR CERTIFICATION

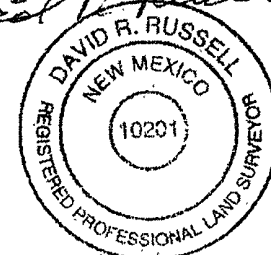
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 31, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

*David R. Russell*



DAVID RUSSELL

Certificate Number 10201

LATITUDE: 36.72087°N  
 LONGITUDE: 107.92891°W  
 DATUM: NAD 83

SLOPES TO BE CONSTRUCTED TO  
 MATCH THE ORIGINAL CONTOURS  
 AS CLOSE AS POSSIBLE.

# BURLINGTON RESOURCES O&G CO LP

WM HANLEY #1 F  
 870' FSL & 1500' FWL

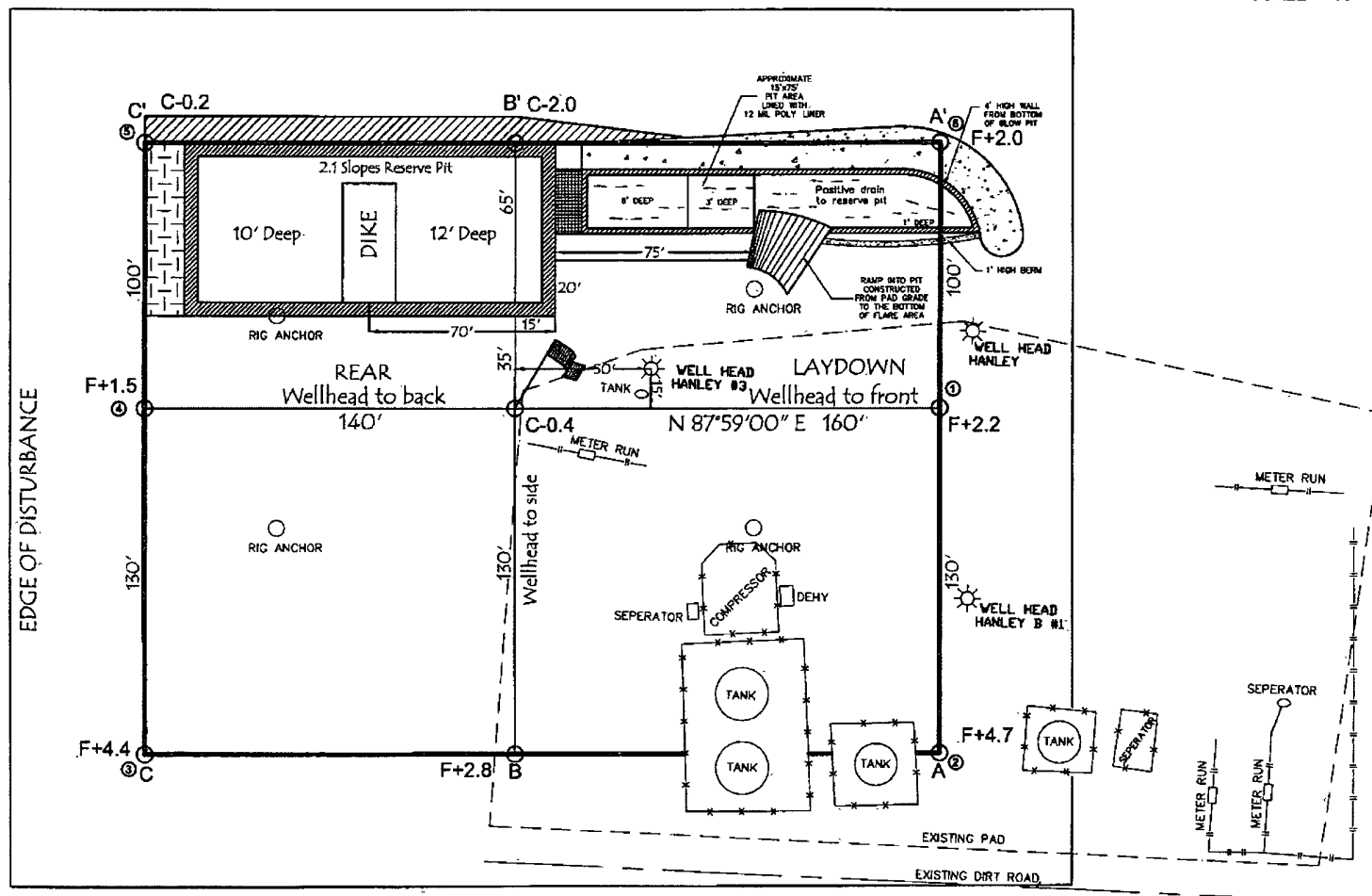
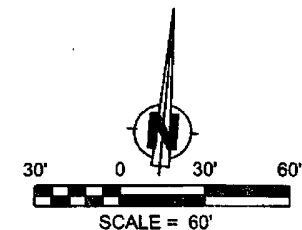
LOCATED IN THE SE/4 SW/4 OF SECTION 18,

T29N, R10W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5558', NAVD 88

FINISHED PAD ELEVATION: 5557.8', NAVD 88



330' x 400' = 3.03 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC091

DATE: 08/20/07

## NOTE:

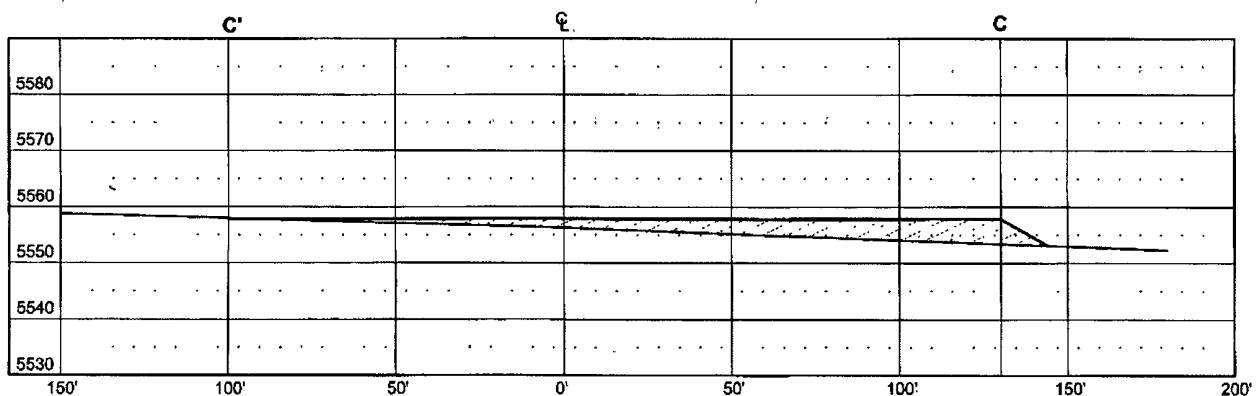
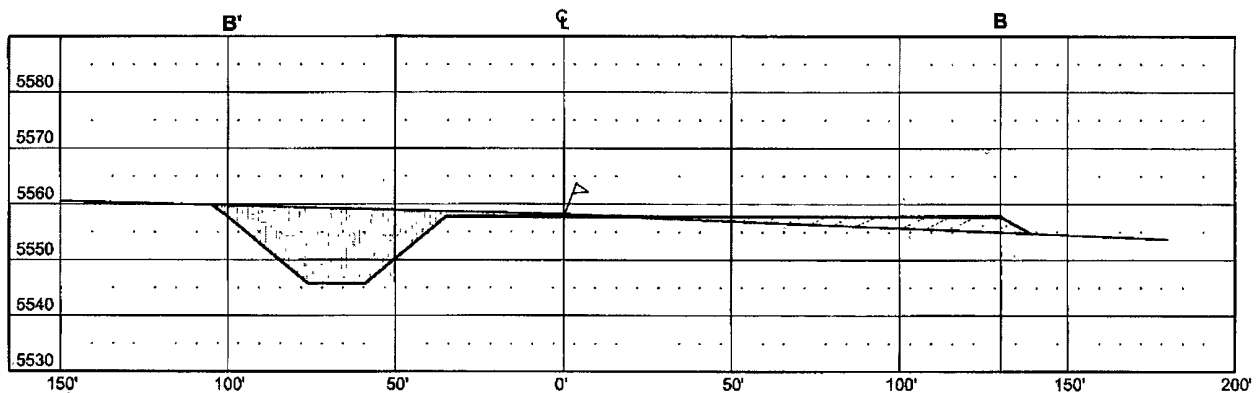
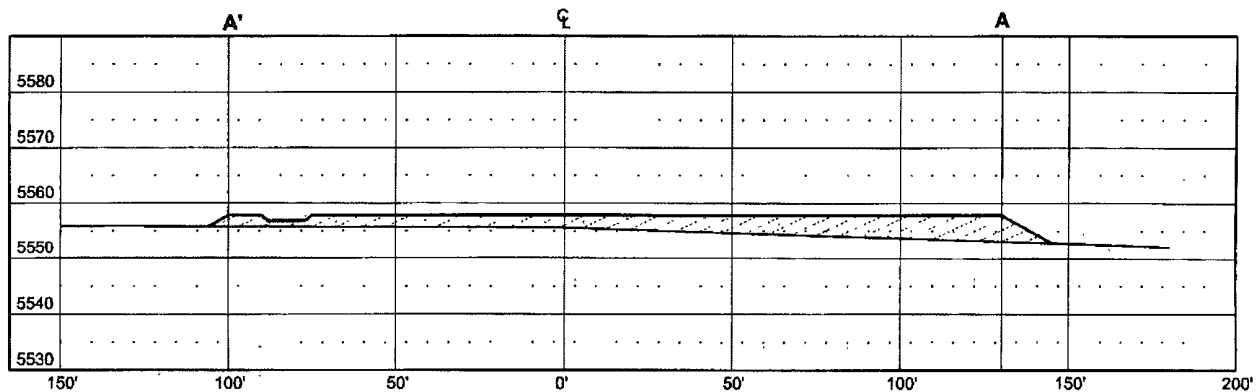
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).  
 RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR  
 CABLES ON WELL PAD; IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR  
 TO CONSTRUCTION.



**Russell Surveying**  
 1409 W. Aztec Blvd. #2  
 Aztec, New Mexico 87410  
 (505) 334-8637

**BURLINGTON RESOURCES O&G CO LP**

WM HANLEY #1 F  
870' FSL & 1500' FWL  
LOCATED IN THE SE/4 SW/4 OF SECTION 18,  
T29N, R10W, N.M.P.M.,  
SAN JUAN COUNTY, NEW MEXICO  
GROUND ELEVATION: 5558', NAVD 88  
FINISHED PAD ELEVATION: 5557.8', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30'  
HORIZ. SCALE: 1" = 50'  
JOB No.: COPC091  
DATE: 08/20/07

~~RS~~

**Russell Surveying**  
1409 W. Aztec Blvd. #2  
Aztec, New Mexico 87410  
(505) 334-8637

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

## **San Juan Basin**

### **Dig & Haul 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 temporary pits, which BR intends to excavate pit contents and dispose of off-site. 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 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.
3. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.
4. 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.
5. All contents of the temporary pit including the liner will be excavated and hauled to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011
6. A five point composite sample will be taken from the soil under the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b).

<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

7. Upon testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. The cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater
8. 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.
9. Notification will be sent to OCD when the reclaimed area is seeded.

10. BR shall seed the disturbed areas the first growing season after the operator removes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will be 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)	Source No. two (better quality)
Purity 50 percent	Purity 80 percent
Germination 40 percent	Germination 63 percent
Percent PLS 20 percent	Percent PLS 50 percent
<b>5 lb. bulk seed required to make 1 lb. PLS</b>	<b>2 lb. bulk seed required to make 1 lb. PLS</b>

11. 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.