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

July 21, 2008 or temporary pits, closed-loop sytems, and below-grade

Form C-144

For temporary pits, closed-loop sytems, 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 |
| | X 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 hability 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

| environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. |
|--|
| Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538 |
| Address: PO Box 4289, Farmington, NM 87499 |
| Facility or well name: Canyon Largo Unit 288E |
| API Number: 30-039-30470 OCD Permit Number: |
| U/L or Qtr/Qtr: C(NENW) Section: 13 Township: 25N Range: 6W County: Rio Arriba |
| Center of Proposed Design: Latitude: 36.404285' N Longitude: 107.423009' W NAD: 1927 X 1983 |
| Surface Owner: X Federal State Private Tribal Trust or Indian Allotment |
| X Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: X Drilling Workover Permanent Emergency X Cavitation P&A X Lined Unlined Liner type: Thickness 20 mil X LLDPE HDPE PVC Other X String-Reinforced Liner Seams: X Welded X Factory Other Volume: 4400 bbl Dimensions L 65' x W 45' x D 10' |
| 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 |
| 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. |

| 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 of the light, four strands of barbed wire evenly spaced between one and four feet X Alternate Please specify 4' hogwire fence with a single strand of barbed wire on top. | stution or chur | ch) |
|---|-----------------|--------|
| Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible) | | |
| Signs: Subsection C of 19.15 17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC | | |
| 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. | ideration of ap | proval |
| 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 | XNo |
| 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 | X 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) | ☐Yes ☐NA | XNo |
| - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits) | Yes XNA | No |
| Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizonal 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 | XNo |
| 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 Written confirmation or verification from the municipality; Written approval obtained from the municipality | Yes | XNo |
| Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | Yes | XNo |
| Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division | Yes | X No |
| Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | Yes | X No |
| Within a 100-year floodplain - FEMA map | Yes | XNo |

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| 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 |
| X Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15 17.9 |
| X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC |
| X Design Plan - based upon the appropriate requirements of 19 15.17.11 NMAC |
| X Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC |
| X 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 |
| 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 |
| Permanent Pits Permit Application Checklist: 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 H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC |
| Proposed Classica 10.15.17.12 NMAC |
| 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: X Drilling Workover Emergency X 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) |
| X On-site Closure Method (only for temporary pits and closed-loop systems) |
| X In-place Burial On-site Trench |
| Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) |
| 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 |

Form C-144 Oil Conservation Division

| Instructions: Please identify the facility or facilities for the di | tilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17 13.D NMAC) sposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two f | ac ilities |
|--|--|---------------------------|
| are required Disposal Facility Name: | Disposal Facility Permit #: | |
| · · · · · · · · · · · · · · · · · · · | Disposal Facility Permit #: | |
| | and associated activities occur on or in areas that will not be used for future s No | ervice and operations? |
| Re-vegetation Plan - based upon the appropriate | e service and operations ased upon the appropriate requirements of Subsection H of 19.15.17.13 NMA requirements of Subsection I of 19.15.17.13 NMAC nite requirements of Subsection G of 19 15 17.13 NMAC | C |
| certain siting criteria may require administrative approval from the | only: 19.15.17 10 NMAC The closure plan. Recommendations of acceptable source material are provided below a proportion of the closure of the submitted to the soft 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 NM Office of the State Engineer - iWATERS database | | Yes X No |
| Ground water is between 50 and 100 feet below the bott - NM Office of the State Engineer - tWATERS database | | X Yes No |
| Ground water is more than 100 feet below the bottom of - NM Office of the State Engineer - 1WATERS database | | Yes XNo |
| (measured from the ordinary high-water mark). | 0 feet of any other significant watercourse or lakebed, sinkhole, or playa lake | Yes X No |
| - Topographic map; Visual inspection (certification) of the | | |
| Within 300 feet from a permanent residence, school, hospital - Visual inspection (certification) of the proposed site, Ae | Yes X No | |
| • | well or spring that less than five households use for domestic or stock watering ter well or spring, in existence at the time of the initial application. Visual inspection (certification) of the proposed site | 1100 [25].10 |
| Within incorporated municipal boundaries or within a defined pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipal | d municipal fresh water well field covered under a municipal ordinance adopted | Yes XNo |
| Within 500 feet of a wetland | ographic map; Visual inspection (certification) of the proposed site | Yes XNo |
| Within the area overlying a subsurface mine Written confirantion or verification or map from the NI | M EMNRD-Mining and Mineral Division | Yes X No |
| Within an unstable area. - Engineering measures incorporated into the design; NM Topographic map | 1 Bureau of Geology & Mineral Resources; USGS; NM Geological Society; | Yes X No |
| Within a 100-year floodplain FEMA map | | Yes XNo |
| On-Site Closure Plan Checklist: (19.15.17 13 NMAC by a check mark in the box, that the documents are at | C) Instructions: Each of the following items must bee attached to the closus tached. | re plan. Please indicate, |
| | sed upon the appropriate requirements of 19.15.17.10 NMAC appropriate requirements of Subsection F of 19.15.17.13 NMAC | |
| | pplicable) based upon the appropriate requirements of 19.15.17 11 NMAC | |
| Construction/Design Plan of Temporary Pit (for X) Protocols and Procedures - based upon the approximation of the control of th | in place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC | 9.15 17.11 NMAC |
| <u> </u> | sed upon the appropriate requirements of Subsection F of 19 15.17.13 NMAC | |
| = | appropriate requirements of Subsection F of 19.15.17.13 NMAC | |
| X Disposal Facility Name and Permit Number (for | liquids, drilling fluids and drill cuttings or in case on-site closure standards ca | nnot be achieved) |
| | requirements of Subsection H of 19.15.17.13 NMAC | |
| | requirements of Subsection I of 19.15 17 13 NMAC ate requirements of Subsection G of 19.15.17.13 NMAC | |

Form C-144 Oil Conservation Division Page 4 of 5

| Name (Print): | Crystal Tafoya | Title: | Regulatory Technician |
|--|---|--------------------------------------|--|
| Signature: | Contal alo | Date: | 9/29/08 |
| e-mail address | crystal.tafoya@conocophillyps.c | Telephone Telephone | 605-326-9837 |
| <u> </u> | | | |
|) ·CD 4 | Donnie Annii antion (in alculina alcuma | nlan) | aly) OCD Conditions (see attachment) |
| _ | | pian) Ciosure Pian (on | ly) GCD conditions (see attachment) |
| CD Representative | | _6-ell | Approval Date: <u>/0-21-08</u> |
| itle: | Enviro/spec | OCD P | ermit Number: |
| | | | |
| 1 | | | |
| | uired within 60 days of closure compl are required to obtain an approved closure | | MAC Losure activities and submitting the closure report. The closure |
| • | | | vities. Please do not complete this section of the form until an |
| oproved closure plan h | as been obtained and the closure activities | • | |
| | | Clos | sure Completion Date: |
| 2 | | | |
| losure Method: | _ | _ | |
| Waste Excavation | on and Removal On-site Closure | e Method Alternative Clos | sure Method Waste Removal (Closed-loop systems only) |
| If different from | approved plan, please explain. | | |
| 3 | | | |
| | •• | | e Ground Steel Tanks or Haul-off Bins Only: |
| structions: Please ide ere utilized. | ntify the facility or facilities for where the | liquids, drilling fluids and drill c | cuttings were disposed. Use attachment if more than two facilities |
| Disposal Facility Na | me: | Disposal Fac | ılıty Permit Number: |
| Disposal Facility Na | | | ulity Permit Number |
| | | | ll not be used for future service and opeartions? |
| Yes (If yes, plea | se demonstrate complilane to the items belo | ow) No | |
| Required for impact | ed areas which will not be used for future se | ervice and operations: | |
| Site Reclamatio | n (Photo Documentation) | | |
| | and Cover Installation | | |
| Re-vegetation A | pplication Rates and Seeding Technique | | *************************************** |
| 4 | | | |
| | ttachment Checklist: Instructions: Eac | h of the following items must be | attached to the closure report. Please indicate, by a check mark in |
| _ | re Notice (surface owner and division) | | |
| Proof of Deed | Notice (required for on-site closure) | | , |
| Plot Plan (for o | on-site closures and temporary pits) | | |
| Confirmation | Sampling Analytical Results (if applicab | ole) | |
| = | l Sampling Analytical Results (if application) | | |
| = | ity Name and Permit Number | | |
| = | g and Cover Installation | | |
| | Application Rates and Seeding Technique | ue | |
| Re-vegetation | on (Photo Documentation) | | |
| = | . I I | Longitude. | NAD |
| = | e Location Latitude: | · — | |
| Site Reclamati | e Location Latitude: | | |
| Site Reclamati | e Location Latitude: | | |
| Site Reclamati On-site Closur | | | |
| On-site Closure Onerator Closure Chereby certify that the | ertification: information and attachments submitted wit | • | |
| Site Reclamati On-site Closur Deperator Closure Concertify that the eclosure complies wi | ertification: | conditions specified in the approv | rate and complete to the best of my knowledge and belief. I also certify tha ed closure plan. |
| On-site Closure Onerator Closure Chereby certify that the | ertification: information and attachments submitted wit | • | |
| Site Reclamati On-site Closur perator Closure C hereby certify that the e closure complies wi | ertification: information and attachments submitted wit | conditions specified in the approv | |

New Mexico Office of the State Engineer POD Reports and Downloads

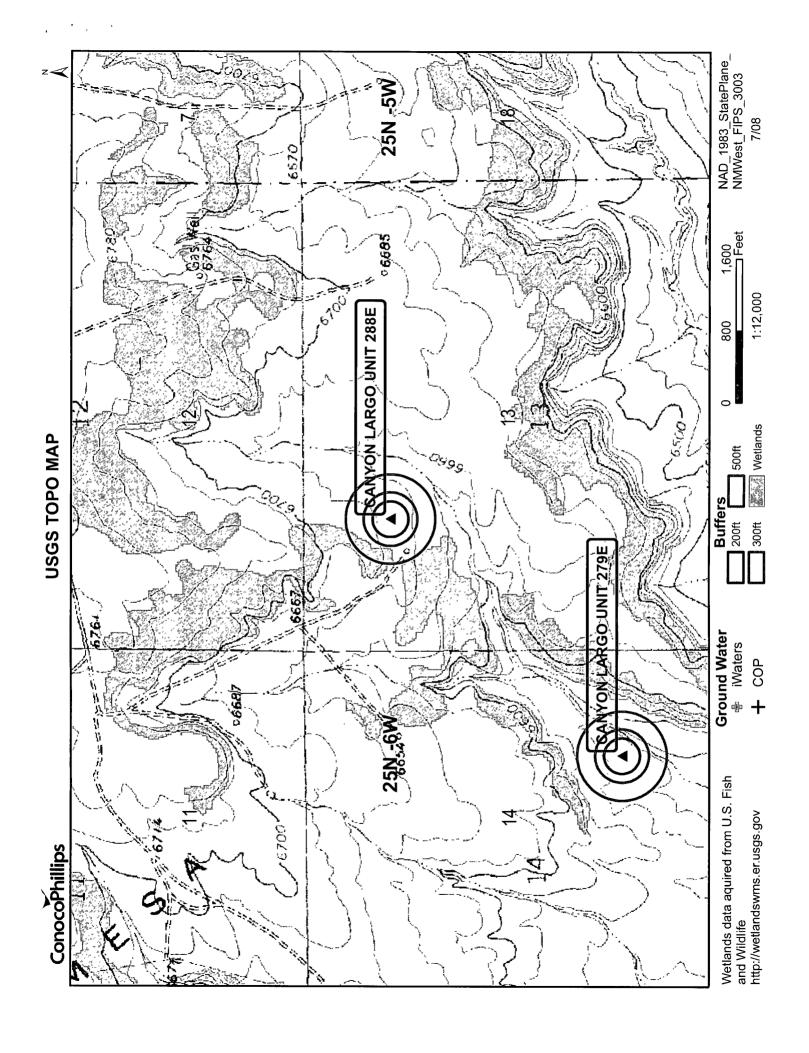
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| (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) | | | | | | | | Depth | Depth | Wat∈ | | |
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| SJ 00681 12 | 25N | 06W | 33 | 4 | 4 | 4 | | | | 435 | | |

Record Count: 3

New Mexico Office of the State Engineer POD Reports and Downloads

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|--------------------|--|----------------------------|--|-----------------|---------------------------|
| Townsh | ip: 25N Range: 05V | V Sections: | | | |
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| Owner Name: (Fin | rst) | (Last) | ı € |) Non-Domestic | ① Domestic |
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DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS NORTHWESTERN NEW MEXICO

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

| Form 1-330 | | | | | | | | | - | | | | |
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| (Re''. 5-63) | | | UN | ITED | STA | TES | SUBMI | T IN | DUPLICAT | 1 | | Form Budge | approved. et Bureau No. 42-R355.5 |
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| WELL CO | | ION | OR | RECO | APLET | ION F | EPORT . | AND | LOG | * | 6. IF INDIA | N, AL | LOTTER OR TRIBE NAME |
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| El Paso N | latura] | Gas | Сотр | any | | | | ξ. | | | 9. WELL NO |). | rigo onic |
| 8. ADDRESS OF OPI | BATOR | | | | | | | ٠, ٠ | | | 288 | | |
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| At total depth | | | | <u>. </u> | • • | • ;; | ` { | CP. | · · · · · | 70 | N.M.P | .М. | • |
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| 6918-705 | o' (DK |) | | | | | | ! | j 1 | | · | . | No |
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| 4 1/2" | 10. | 5 & l | 1.6# | 7177 | | 8 3/4 | - 7 7/8 | 3''] | 1802 cf | | | | _ |
| | | | | | | - | | | | | | | _ |
| 29. | 1 | | LINER | RECORD | | | | <u> </u> | 30. | т | UBING REG | ORD | _1 |
| SIZE | TOP (| (D) | вотто | M (MD) | SACKS C | EMENT* | SCREEN (M | D) | SIZE | 1 | EPTH SET (| MD) | PACKER SET (MD) |
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| 31. PERFORATION R | COED (In | erval, e | ize and | number) | ! | i | 82. | ACI | D, SHOT, I | FRACTI | JRE, CEME | NT SC | UEEZE, ETC. |
| 6918', 7 | 000', | 7006' | , 701 | 14', 70 | 331, | 7040', | DEPTH IN | TERVAL | (MD) | AMO | OUNT AND E | ND OI | F MATERIAL USED |
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| DATE OF TEST | HOURS | TESTED | | OKE SIZE | PROD' | N. FOR PERIOD | OIL-BBL. | | GAS-MCF | - | WATER-BI | | GAS-OIL RATIO |

GAS-MCF.

OIL GRAVITY-AFI (CORR.)

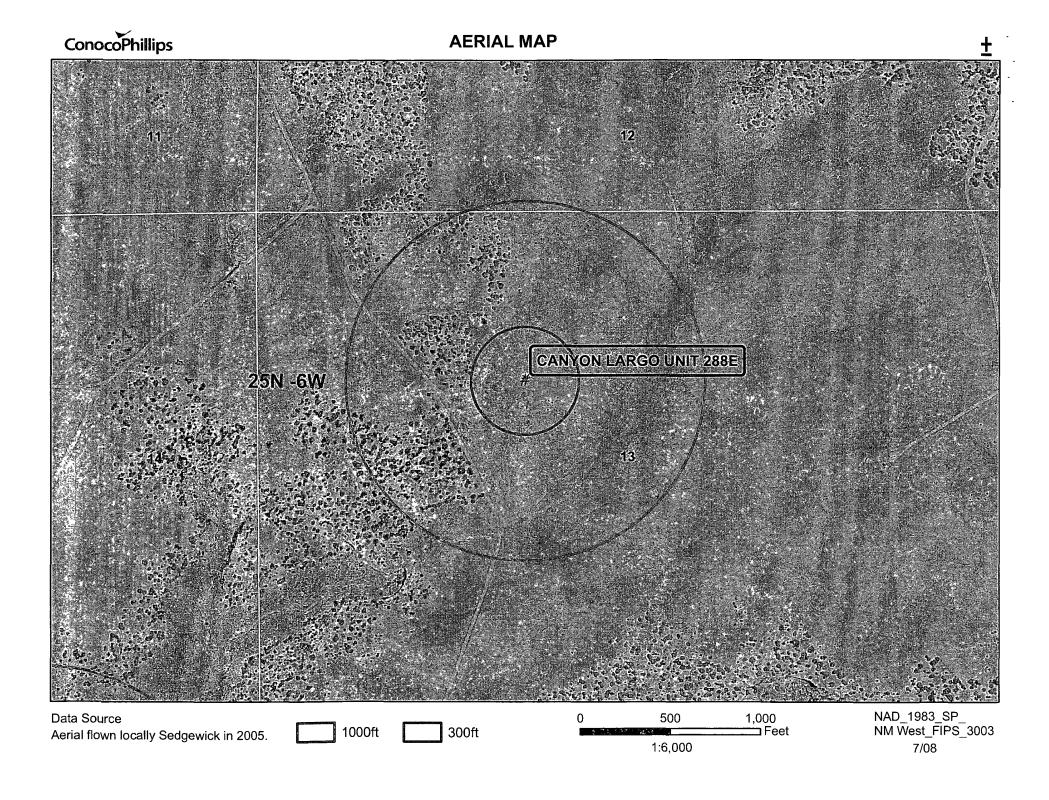
08-17-76 FLOW, TUBING PRESS.

SI 2979

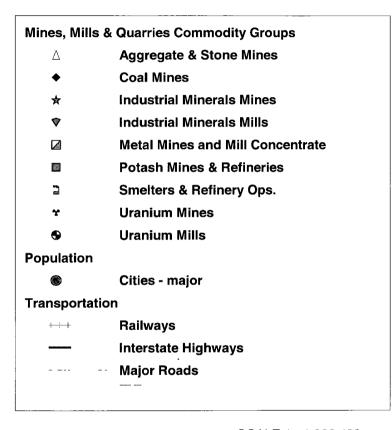
CASING PRESSURE

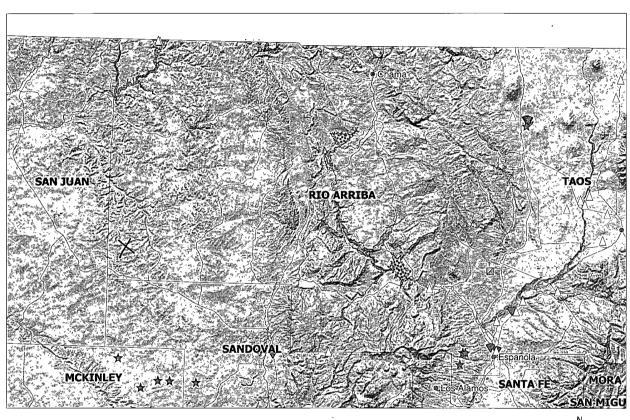
SI 2906 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

CALCULATED 24-HOUR RATE



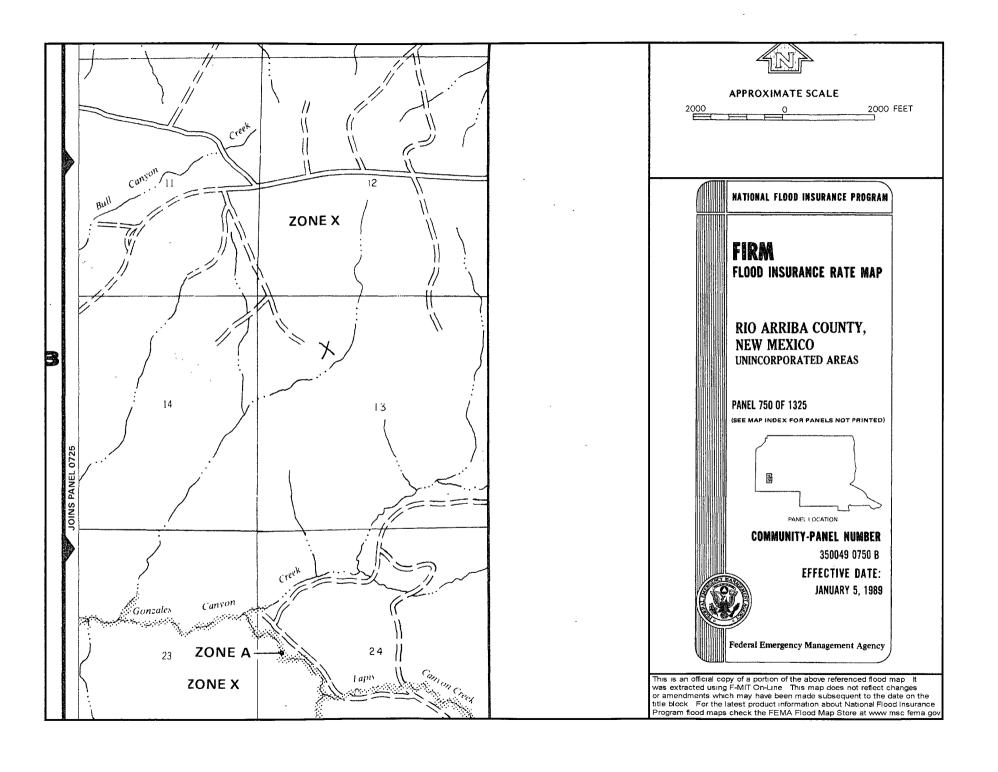
Canyon Largo Unit 288E Mines, Mills and Quarries Web Map











Hydrogeological report for Canyon Largo Unit 288E

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 Demonstration & Hydro Geologic Analysis

The Canyon Largo Unit 288E is not located in an unstable area. The location is not over a mine and is not on the side of a hill as indicated on the Mines, Mills and Quarries Map and Topographic Map. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse as indicated on the Topographic Map. The location is not within a 100-year floodplain area as indicated on the FEMA Map. The groundwater depth is considered to be greater than 70' as determined by the topographic map and the Cathodic well data from the Canyon Largo Unit 288 with an elevation of 6633' and groundwater depth of 70'. The subject well has an elevation of 6676' which is slightly greater than the Canyon Largo Unit 288, therefore the groundwater depth is greater than 70'. There are no iWATERS data points located in the area as indicated on the TOPO Map. The Cathodic data provided the indication of groundwater depth is greater than 100'. The hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

Tafoya, Crystal

From:

Tafoya, Crystal

Sent:

Thursday, July 10, 2008 8:16 AM

To:

'mark_kelly@nm.blm.gov'

Subject:

OCD Pit Closure Notification

The following temporary pits will be closed on-site. The new OCD Pit Rule 17 requires the surface owner be notified. Please feel free to contact me at any time if you have any questions. Thank you!

Allison Unit 2B

Allison Unit 40N

Angel Peak B 27E

Ballard 11F

Cain 725S

Canyon Largo Unit 250N

Canyon Largo Unit 279E

Canyon Largo Unit 288E

Canyon largo Unit 297E

Canyon Largo Unit 465E

Carson SRC 4E

Day B 4P

Day B 5A

East 17S

EPNG A 1B

EPNG B 1M

Federal A 1E

Filan 5M

Filan 5N

Fogelson 4 100

Fogelson 4 100S

Grambling C 202S

Hagood 19

Hamner 9S

Hardie 4P

Hare 295

Heaton Com 100

Helms Federal 1G

Howell 12

Huerfanito Unit 103F

Huerfanito Unit 29S

Huerfanito Unit 39S

Huerfanito Unit 47S

Huerfanito Unit 50E

Huerfanito Unit 75E

Huerfanito Unit 83E

Huerfanito Unit 87E

Huerfanito Unit 90E

Huerfanito Unit 90M

Huerfanito Unit 98S

Huerfano Unit 108F

Huerfano Unit 282E

Huerfano unit 305

Huerfano unit 307

Huerfano Unit 554

Johnston Federal 24S

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

1

State of New Mexico Energy, Minerals & Natural Resources Department | Revised October 12, 26.05 OIL CONSERVATION DIVISION Submit to Appropriate District Office 1220 South St. Francis Dr. State Lease - 7 Copies JAN 1 6 2008 Santa Fe, NM 87505

Fee Lease - 3 Copies

Bureau of Land Management AMMENDED REPORT Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | 1 API Number 2 Pool Code 3 Pool Name PASIN DAKOTA 71599 BASIN DAKOTA | | | | | | | | | | | | | |
|-------------------------------|--|--|-----------------|----------------------------------|---------------|------------------|---------------|----------------|------------|--|--|--|--|--|
| ⁴ Property Cod | le | | | ⁶ Well Number 288E | | | | | | | | | | |
| ⁷ OGRID N 14538 | 0. | 8 Operator Name 9 Elevatic BURLINGTON RESOURCES OIL AND GAS COMPANY LP 666 | | | | | | | | | | | | |
| | 10 SURFACE LOCATION | | | | | | | | | | | | | |
| UL or lot no. | 1 | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | | | | | |
| D | 13 | 25-N | 6-W | l | 1185 | NORTH | 1275 | WEST | RIO ARRIBA | | | | | |
| | | | ¹¹ B | ottom H | ole Location | If Different Fro | m Surface | | | | | | | |
| UL or lot no. D | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | | | | | |
| Dedicated Acres 320.00 W | | 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

| | | | |
|---|--|------|---|
| 1275 | 2603.0' (M) 2604.4' (R) | | OPERATOR CERTIFICATION I hereby certify that the information contained hereby us true and complete to the best of my knowledge and belief, and that thu organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner, of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. |
| N. L. Co. N. L. | ELL FLAG AD 83 AT 36.403881° N ONG: 107.423664° W AD 27 AT:36°24.323221' N ONG: 107°25.383688' W | | Signature Jamie Goodwin Printed Name Regulatory Tech. Title and E-mail Address |
| SF-0 SECTI | ED ACREAGE 78884 ION 13 R-6-W | | 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, 9/05/07 Signoture and Society Professional Surveyor: PROADHURS ME |
| | | | Certificate Number: NM 11393 |

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:

- 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. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011)
- 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 prior to closure as per the approved closure plan via 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 prior to the Aztec Division office between 72 hours and one week via email, or verbally. The notification of closure will include the following:
 - i. Operator's name
 - 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 the San Juan County Landfill located on CR 3100.
- 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.

| 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 | 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.

| Туре | 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

5 lb. bulk seed required to make 2 lb. bulk seed required to make 1 lb. PLS

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.