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

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 For temporary pits, closed-loop sytems, and below-grade

Form C-144

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.

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 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 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: Burlington Resources Oil & Gas Company, LP OGRID#: 14538 Address: PO Box 4289, Farmington, NM 87499 Facility or well name: Bunny ET AL #2F 30-045-34320 OCD Permit Number: API Number: U/L or Qtr/Qtr: L(NWSW) Section: Township: Range: County: San Juan Center of Proposed Design: Latitude: 36.58760' N 107.76422' W NAD: 1927 X 1983 Longitude: Surface Owner: Federal State Private X Tribal Trust or Indian Allotment X Pit: Subsection F or G of 19.15.17.11 NMAC X Drilling Workover Temporary: Emergency Cavitation P&A Permanent Thickness 12 mil X LLDPE HDPE PVC Other X Lined Unlined Liner type: X String-Reinforced X Welded X Liner Seams: Factory Volume: 4400 bbl Dimensions L 65' Subsection H of 19.15.17.11 NMAC Closed-loop System: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or Type of Operation: notice of intent) Above Ground Steel Tanks Haul-off Bins Unlined LLDPE HDPE PVD Other Liner type: Thickness mil Welded Liner Seams: Factory Other Below-grade tank: Subsection I of 19.15.17.11 NMAC Type of fluid: Volume: Tank Construction material: Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Secondary containment with leak detection Visible sidewalls and liner Visible sidewalls only Other Liner Type: HDPE PVC Thickness mil Other **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 or church) Four foot height, 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. 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	XNo					
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	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) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes XNA	No					
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	Yes	XNo					
 Written confirmation or verification from the municipality; Written approval obtained from the municipality 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	XNo					
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Yes	XNo					
Society; Topographic map Within a 100-year floodplain - FEMA map	Yes	XNo					

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							
Tydrogeologic Report (Below grade Tanks) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Nitrice X							
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 Gritaria Compileres Permanental in Compil							
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							
String Criteria Compitations - based upon the appropriate requirements of 19.13.17.10 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							
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: X 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)							
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)							
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 1 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 Page 3 of 5

Waste Removal Closure For Closed-loop Systems That Unstructions: Please identify the facility or facilities for the d	Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC) Insposal of liquids, drilling fluids and drill cuttings—Use attachment if more than two f	acthies				
are required.						
	Disposal Facility Permit #:					
Disposal Facility Name	Disposal Facility Permit #:					
Yes (If yes, please provide the information	s 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	re service and operations: based upon the appropriate requirements of Subsection H of 19 15 17 13 NMA e requirements of Subsection I of 19 15.17.13 NMAC raite requirements of Subsection G of 19.15.17.13 NMAC	С				
certain siting criteria may require administrative approval from th	only: 19.15.17.10 NMAC pliance in the closure plan Recommendations of acceptable source material are provided belie appropriate district office or may be considered an exception which must be submitted to the ins 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 t - NM Office of the State Engineer - 1WATERS database		Yes X No				
Ground water is between 50 and 100 feet below the bo - NM Office of the State Engineer - iWATERS database		Yes X No				
Ground water is more than 100 feet below the bottom of NM Office of the State Engineer - iWATERS database		X Yes No				
-	00 feet of any other significant watercourse or lakebed, sinkhole, or playa lake	Yes XNo				
- Topographic map; Visual inspection (certification) of	the proposed site					
Within 300 feet from a permanent residence, school, hospita - Visual inspection (certification) of the proposed site; A	ıl, institution, or church in existence at the time of initial application. erial photo, satellite image	Yes X No				
purposes, or within 1000 horizontal fee of any other fresh w - NM Office of the State Engineer - iWATERS database	r well or spring that less than five households use for domestic or stock watering ater well or spring, in existence at the time of the initial application. ; Visual inspection (certification) of the proposed site ed municipal fresh water well field covered under a municipal ordinance adopted	Yes XNo				
pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municip	•	Yes X No				
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Top	oographic map; Visual inspection (certification) of the proposed site	Yes X No				
Within the area overlying a subsurface mine Written confirantion or verification or map from the N	VM EMNRD-Mining and Mineral Division	Yes X No				
Within an unstable area - Engineering measures incorporated into the design, NN Topographic map	M Bureau of Geology & Mineral Resources; USGS; NM Geological Society;	Yes XNo				
Within a 100-year floodplain - FEMA map		Yes X No				
On-Site Closure Plan Checklist: (19.15.17.13 NMA by a check mark in the box, that the documents are a	C) Instructions: Each of the following items must bee attached to the closu ttached.	re plan. Please indicate,				
X Siting Criteria Compliance Demonstrations - ba	used upon the appropriate requirements of 19.15.17.10 NMAC					
X 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	r in place burial of a drying pad) - based upon the appropriate requirements of	19.15.17.11 NMAC				
X Protocols and Procedures - based upon the appr	ropriate requirements of 19.15.17.13 NMAC					
-	used upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC					
X Waste Material Sampling Plan - based upon the	e appropriate requirements of Subsection F of 19.15.17.13 NMAC					
	r liquids, drilling fluids and drill cuttings or in case on-site closure standards ca	innot be achieved)				
	requirements of Subsection H of 19.15 17 13 NMAC					
X Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC						

Form C-144 Oil Conservation Division Page 4 of 5

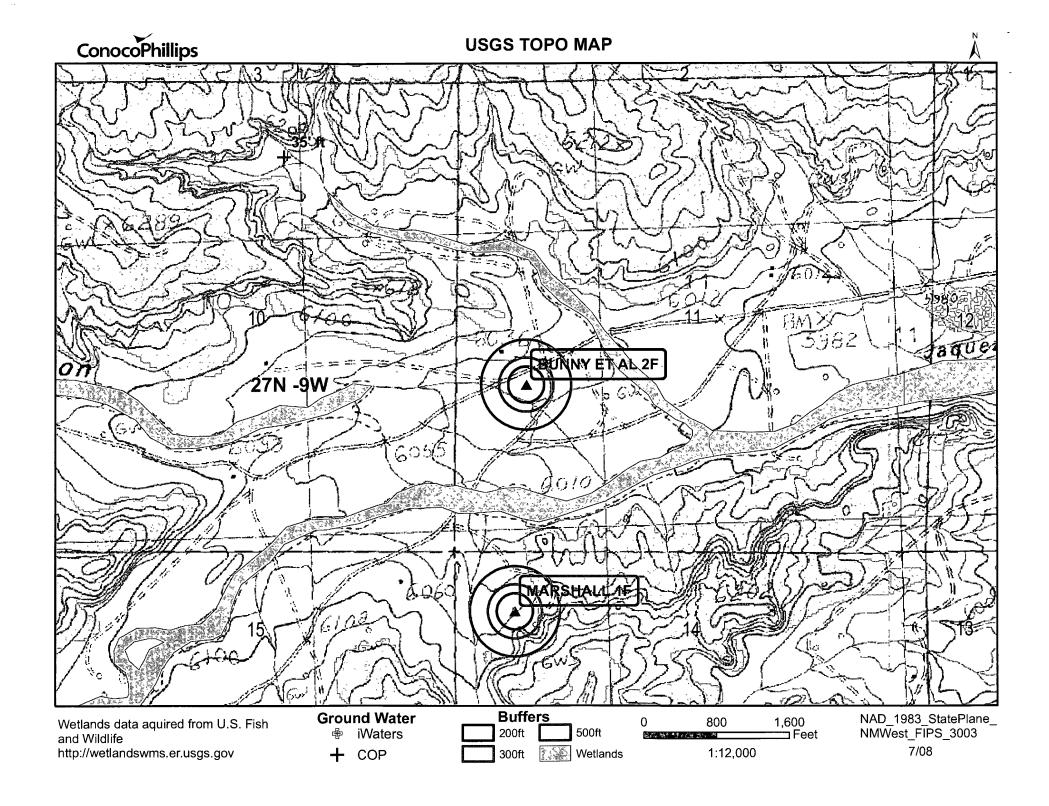
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Crystal Tafoya Title: Regulatory Technician
Signature: La Taloya Date. 9/19/08
e-mail address. crystal.afoya@conocophillipr.com Telephone: 505-326-9837
C-mail address. Strong of the production of the
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: 5 Jumplon Tours Approval Date: 10-21-08
Title: Enviro/spec OCD Permit Number:
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
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 compliane to the items below)
Required for impacted areas which will not be used for future service and operations:
Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation Representation Application Petrs and Seeding Technique
Re-vegetation Application Rates and Seeding Technique
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 (1f 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 ture, 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:

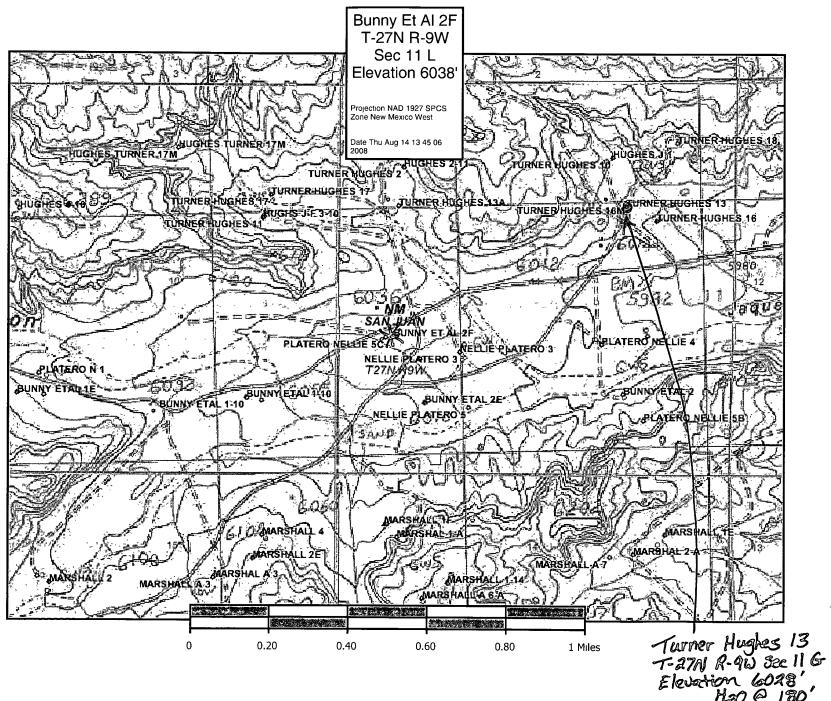
Form C-144 Oil Conservation Division Page 5 of 5

New Mexico Office of the State Engineer POD Reports and Downloads

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	[Clear Form	iWATERS Me		Help	
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POD Number	(quarter	s are bigge	2=NE 3=SW 4=SE est to smallest)	Depth v well	Depth Wate

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16-30-045-11874 2643W 13-30-045-06683 10-30-045-06710

DATA SHEET FOR DEEP GROUND BED CATHODIC. PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Meripian Oil	Location: Unit // Sec. // Twp 27 Rng 6
	serviced Turner Hughes # 16
Elevation Completion Date	Total Depth Land Type
Casing Strings, Sizes, Types CASING	Depths 99' of 8" PUC surface
If Casing Strings are cemente	d. show amounts & types used $\sqrt{=}$ with
If Cement or Bentonite Plugs	have been placed, show depths & amounts used
	Ones with description of water: Fresh, Clear, DAMP 145' WATER 180'
Depths gas encountered:	No
Ground bed depth with type & 6500 lbs Loresco	Type Sw
	410, 340, 330, 300, 290, 280, 255, 245, 235, 225, 215, 205, 195
Depths vent pipes placed:	74'
Vent pipe perforations:	DECENTED DECENTED
Remarks:	N IAN 2 0 1095
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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 9-330

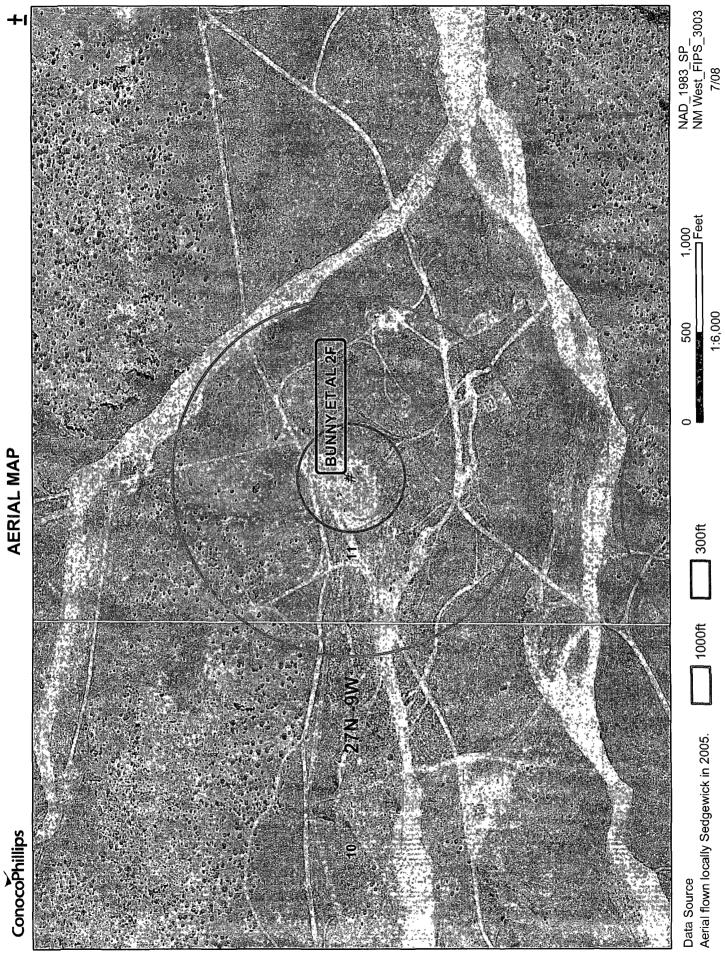
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U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079937
LEASE OR PERMIT TO PROSPECT

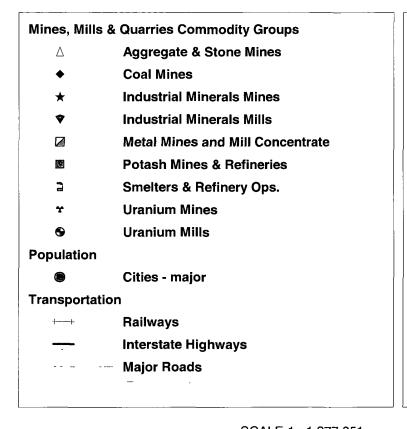
UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

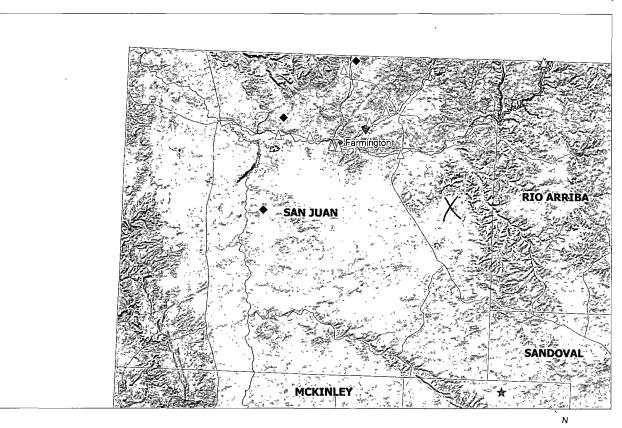
LOG OF OIL OR GAS WELL

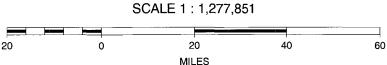
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Well N	Го. <u>- 23</u>	Sec. 11	T <i>20</i> 1. R	双 M	eridian	M.P.M. Co	unty	San Ju	
Location	on 1640	ft. (S) of _N	L. Line a	nd 1450 ;	ft. W of E	Line of Secti	on 11	Eleva	tion 6028
T	he inform	ation given h	erewith is	a comp	lete and correc	t record of the w	vell and a	ll work d	
so far	as can be	determined f	rom all av	ailable r	ecords.	NAL SIGNED E.	S. OBER	ΓA	
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		1	MUDI	DING A	ND CEMENT	ING RECORD			
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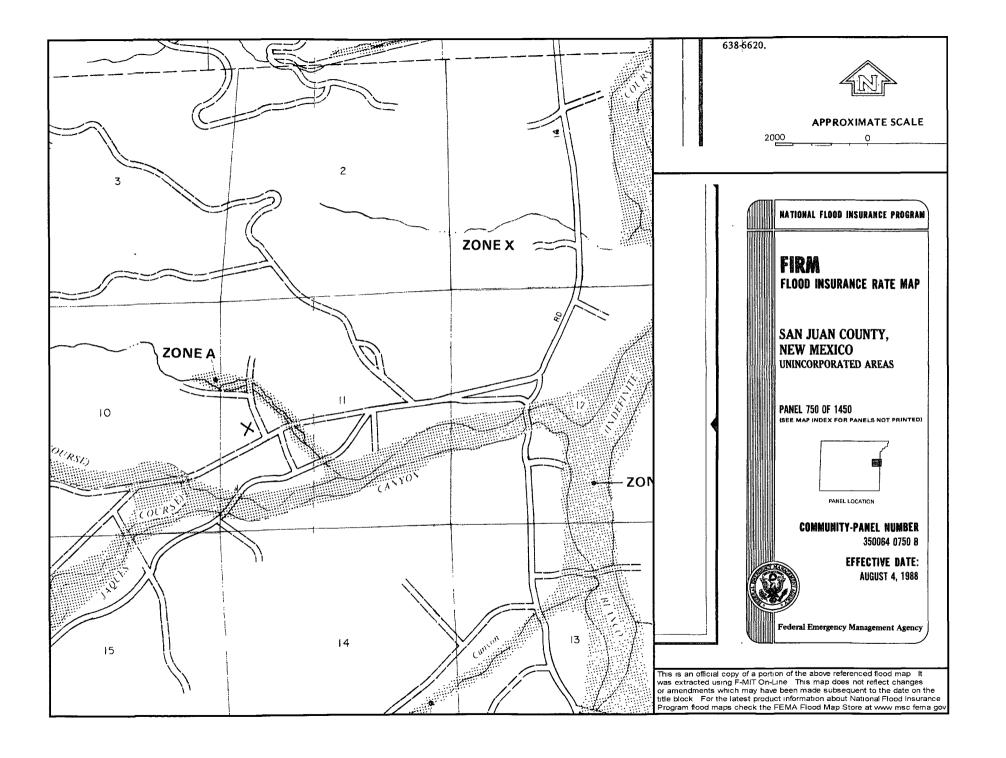
Bunny ET AL 2F Mines, Mills and Quarries Web Map











Hydrogeological Report for Bunny ET AL #2F

Regional Geological context:

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it commformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett and Hinds, 1971, p. 34); thus, in this area, the two formations occupy the same stratigraphic interval.

Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones. Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

Hydraulic Properties:

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conductive to runoff than retention of precipitation.

References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, east-central San Juan Basin, New Mexico: USGS Professional Paper

552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir, p. 197-207.

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Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The Bunny ET AL #2F 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 100' as determined by the topographic map and the Cathodic well data from the Turner Hughes #13 with an elevation of 6028' and groundwater depth of 180'. The subject well has an elevation of 6038' which is great than the Turner Hughes #13, therefore the groundwater depth is greater than 100'. There are no iWATERS data points in the area as indicated on the TOPO Map. The Cathodic data provided the indication that groundwater depth and the San Jose formation will create a stable area for this new location.

Tafoya, Crystal

From:

Sent:

Tafoya, Crystal Friday, September 19, 2008 6:59 AM

To:

'larry_pixley@nm.blm.gov'

Subject:

Bunny ET AL #2F

The Bunny ET AL #2F temporary pit will be closed on-site. Please feel free to contact me at any time if you have any questions.

Thank you,

Crystal L. Tafoya Regulatory Technician ConocoPhillips Company San Juan Business Unit Phone: (505) 326-9837

Email: Crystal.Tafoya@conocophillips.com

State of New Mexico Energy, Minerals 2 Satural Resources Department

Form C-102 Devised August 15, 2000

DESTRICT II 231 South First, Astesis, N.M. 56210

SISTRICT III 1000 Rio Brazos Rd., Aztec, H.M. 67410

OIL CONSERVATION DIVISION

2040 South Pacheco Emita Pe, NM 87505

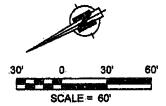
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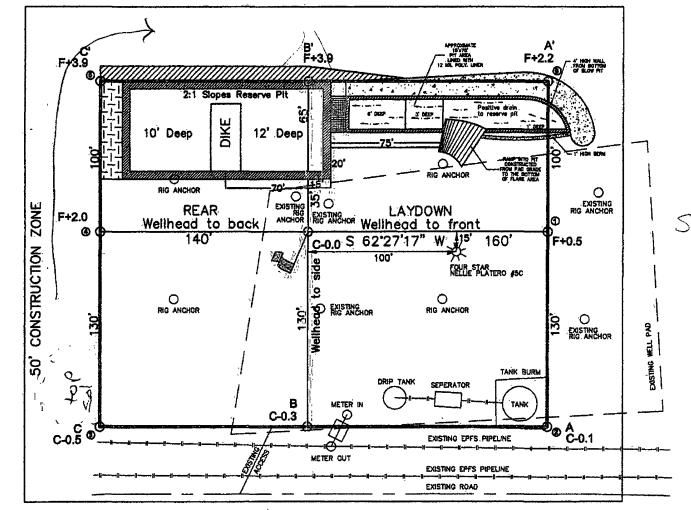
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BURLINGTON RESOURCES O&G CO LP

BUNNY ET AL #2 F
1850' FSL & 770' FWL
LOCATED IN THE NW/4 SW/4 OF
SECTION 11, T27N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6038', NAVD 88
FINISHED PAD ELEVATION: 6037.8', NAVD 88





330' X 400' = 3.03 ACRES OF DISTURBANCE

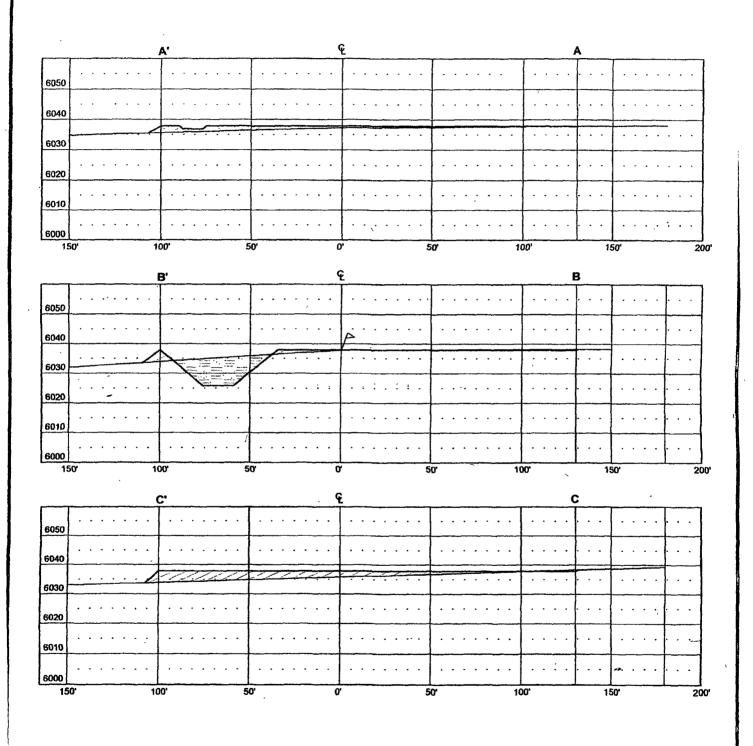
SCALE: 1" = 60' JOB No.: COPC004 DATE: 07/19/06 NOTE:
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED 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. #5 Aztec, New Mexico 87410 (505) 334-8637

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VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: COPC004 DATE: 07/19/06





Russell Surveying 1409 W. Aziec Blvd. #5 Aziec, New Mexico 87410 (505) 334-8637

ConocoPhillips Company 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 ConocoPhillips Company (COPC) locations. This is COPC'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. 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 COPC'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 COPC will ensure that temporary pits are closed, re-contoured, and reseeded.
- 5. Notice of Closure will be given prior to closure 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	(100	<u>)</u> 50	0

- 9. Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails COPC 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.
- 10. During the stabilization process if the liner is ripped by equipment the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired then all contents will be excavated and removed.
- 11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011
- 12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Reshaping 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.
- 13. Notification will be sent to OCD when the reclaimed area is seeded.
- 14. COPC shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (unimpacted) 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)

Purity

50 percent

Germination

40 percent

Percent PLS

20 percent

Source No. two (better quality)

Purity

80 percent

Germination

63 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

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