• District h

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

1000 Rio E

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

100

State of New Mexico Energy Minerals and Natural Resources

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

Form C-144 June 16, 2008

For temporary pits, closed-loop 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 OIL CONS. DIV. Type of action: X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method DIST. 3 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

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

Please be advised that approval of this request does not relieve the operator of 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 ordinance.

environment. Nor does approval relieve the operator of its responsibility to comply w	oth any other applicable governmental authority's rules, regulations or ordinances.
Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: San Juan 32 Federal Com 35 #1	Approximation in the second of
API Number: 30-045-29587 OC	CD Permit Number:
U/L or Qtr/Qtr: H(SENE) Section: 35 Township: 32N	Range: 9W County: San Juan
	Longitude: 107.744230' W NAD: 1927 X 1983
Surface Owner: X Federal State Private Trib	al Trust or Indian Allotment
X Pit: Subsection F or G of 19.15.17.11 NMAC	Closed-loop Systems: Subsection H of 19.15.17.11 NMAC
Temporary: Drilling X Workover	Drying Pad Tanks Haul-off Bins Other:
Permanent Emergency Cavitation	Lined Unlined
X Lined Unlined	Liner type: Thickness mil LLDPE HDPE PVC
Liner type: Thickness 20 mil X LLDPE HDPE PVC	Other:
Other X String-Reinforced	Seams: Welded Factory Other:
Seams: X Welded X Factory Other	Volume: bbl yd3
Volume: <u>7000</u> bbl Dimensions: L <u>120'</u> xW <u>55'</u> xD <u>12'</u>	Dimernsions: Lengthx Width
Below-grade tank: Subsection I of 19.15 17.11 NMAC	Francisco Cubrocator D of 10 15 17 11 NMAC
Below-grade tank: Subsection I of 19.15 17.11 NMAC Volume: bbl	Fencing: Subsection D of 19.15 17.11 NMAC Chain link, six feet in height, two strangs of barbed wire at top
Type of fluid:	Four foot height, four strands of barbed wire evenly spaced between
Tank Construction Material:	one and four feet
Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Screen Netting Other
Visible sidewalls and liner	Monthly inspections
Visible sidewalls only	Signs: Subsection C of 19 15.17.11 NMAC
Other:	12"x 24", 2" lettering, provided Operator's name, site location, and
Liner type: Thickness:mil HDPE PVC	emergency telephone numbers
Other:	X Signed in compliance with 19.15.3.103 NMAC
Alternative Method:	Administrative Approvals and Exceptions:
Submittal of an exception request is required. Exceptions must be	Justifications and/or demonstrations of equivalency are required. Please
submitted to the Santa Fe Environmental Bureau office for consideration	refer to 19.15.17 NMAC for guidance.
of approval.	Please check a box if one or more of the following is requested, if not leave blank:
	X Administrative approval(s): Requests must be submitted to the
	appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. (Fencing in Design Plan)
	Exception(s): Requests must be submitted to the Santa Fe
	Environmental Bureau office for consideration of approval.

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	X 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	X No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	X No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□NA	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	□No
(Applied to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	XNA	
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	No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	X No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland.	□Yes	XNo
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site		
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	XNo
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 de	ocuments ar	e attached.
X 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 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintence Plan - based upon the appropriate requirements of 19.15.17.12 NMAC X Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	, NMAC	
Previously Approved Design (attach copy of API Number: or Permit		
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached. Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.10 NII Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	0.15.17.9	re
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15 17.13 NMAC		
Previously Approved Design (attach copy of API Number:		

Form C-144 Oil Conservation Division Page 2 of 4

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 inducate, 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 Closure: 19.15.17.13 NMAC						
Type: Drilling X Workover Emergency Cavitation Permanent Pit Below-grade Tank Closed-loop System Altern	native					
Proposed Closure Waste Excavation and Removal						
X On-site Closure Method (only for temporary pits and closed-loop						
XIn-place On-site Trench						
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau f	or					
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. Recommentations of acceptable source						
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate	!					
district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of						
approval. Justification and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.						
Ground water is less than 50 feet below the bottom of the buried waste.	□v					
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	∏Yes X No □NA					
•						
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database serach; USGS; Data obtained from nearby wells	Yes X No					
•						
Ground water is more than 100 feet below the bottom of the buried waste.						
NIM Office of the Costs Fracional SWATERS developed to USGS Developed 16	∏NA XYes ∏No					
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	XYes No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal	X Yes ☐ No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark).	XYes No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	XYes No NA Yes XNo					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	XYes No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	XYes No NA Yes XNo					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic	XYes No NA Yes XNo					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time	XYes No NA Yes XNo					
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Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lal (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. proposed site	XYes No NA NA Yes XNo Yes XNo Yes XNo					
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to the closure plan. Please indicfate, by a check mark in the box, that the documents are	attached					
Protocols and Procedures - based upon the appropriate requirements of						
Confirantion Sampling Plan (if applicable) - based upon the appropria						
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 Subs	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 S	ubsection G of 19.15.17.13 NMAC					
Waste Removal Closure for Closed-loop Systems That Utilize Haul-off facilities for the disposal of liquids, drilling fluids and drill cuttings.	Bins Only: (19 15 17 13 D NMAC) Instructions: Please identify the facility or					
Disposal Facility Name:	Disposal Faculity Permit Number:					
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the check mark in the box, that the documents are attached.	following items must bee attached to the closure plan. Please indicate, by a					
X Siting Criteria Compliance Demonstrations - based upon the appropri	ate requirements of 19.15.17.10 NMAC					
X Proof of Surface Owner Notice - based upon the appropriate requirem	ents of Subsection F of 19.15.17.13 NMAC					
X Construction and Design of Burial Trench (if applicable) based upon	the appropriate requirements of 19.15.17.11 NMAC					
X Protocols and Procedures - based upon the appropriate requirements of	of 19 15 17 13 NMAC					
X Confirmation Sampling Plan (If applicable) - based upon the appropris	ate requirements of Subsection F of 19 15 17.13 NMAC					
X Waste Material Sampling Plan - based upon the appropriate requirement	ents of Subsection F of 19.15 17 13 NMAC					
X Disposal Facility Name and Permit Number (for liquids, drilling fluids)						
X Soil Cover Design - based upon the appropriate requirements of Subs						
X Re-vegetation Plan - based upon the appropriate requirements of Subs X Site Reclamation Plan - based upon the appropriate requirements of S						
	uusection G of 19.13.17.13 NMAC					
Operator Application Certification: I hereby certify that the information submitted with this application is true, accura	ta and complete to the host of mulinovilladae and halves					
Name (Print): Crystal Tafoya	Title: Regulatory Technician					
C = C						
Signature Information of Signature	Date: 7/22/2008					
e-mail address. <u>crystal tafoya@conocopyfilips.com</u>	Telephone 505-326-9837					
OCD Approval: Permit Application (including closure plan)	Closure Plan (only)					
OCD Approval: Permit Application (including closure plan) OCD Representative Signature:	•					
OCD Representative Signature: Franch Coll	OCD Permit Number.					
OCD Representative Signature: Brunch Fell Title: Emirol spec	OCD Permit Number.					
OCD Representative Signature: Stand Sell Title: Ewirol spec Closure Report (required within 60 days of closure completion): Subsection K of 19 15	Approval Date: 8-4-08 OCD Permit Number.					
OCD Representative Signature: Branch Sell Title: Ewirol Spec Closure Report (required within 60 days of closure completion): Subsection K of 19 15	Approval Date: 8-4-08 OCD Permit Number. 17.13 NMAC Closure Completion Date:					
OCD Representative Signature: Branch Sell Title: Ewirol Spec Closure Report (required within 60 days of closure completion): Subsection K of 19 15	Approval Date: 8-4-08 OCD Permit Number.					
OCD Representative Signature: Standard Sell Title: Ewirol Spec Closure Report (required within 60 days of closure completion): Subsection K of 19 15 Closure Method: Waste Excavation and Removal On-Site Closure	Approval Date: 8-4-8 OCD Permit Number. 17.13 NMAC Closure Completion Date: ternative Closure					
OCD Representative Signature: Stand Sec. Title: Ewirol Spec. Closure Report (required within 60 days of closure completion): Subsection K of 19 15 Closure Method: Waste Excavation and Removal On-Site Closure All of different from approved plan, please explain Closure Report Attactment Checklist: Instructions: Each of the following item box, that the documents are attached.	Approval Date: 8-4-8 OCD Permit Number. 17.13 NMAC Closure Completion Date: ternative Closure					
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Page 4 of 4

Form C-144 Oil Conservation Division

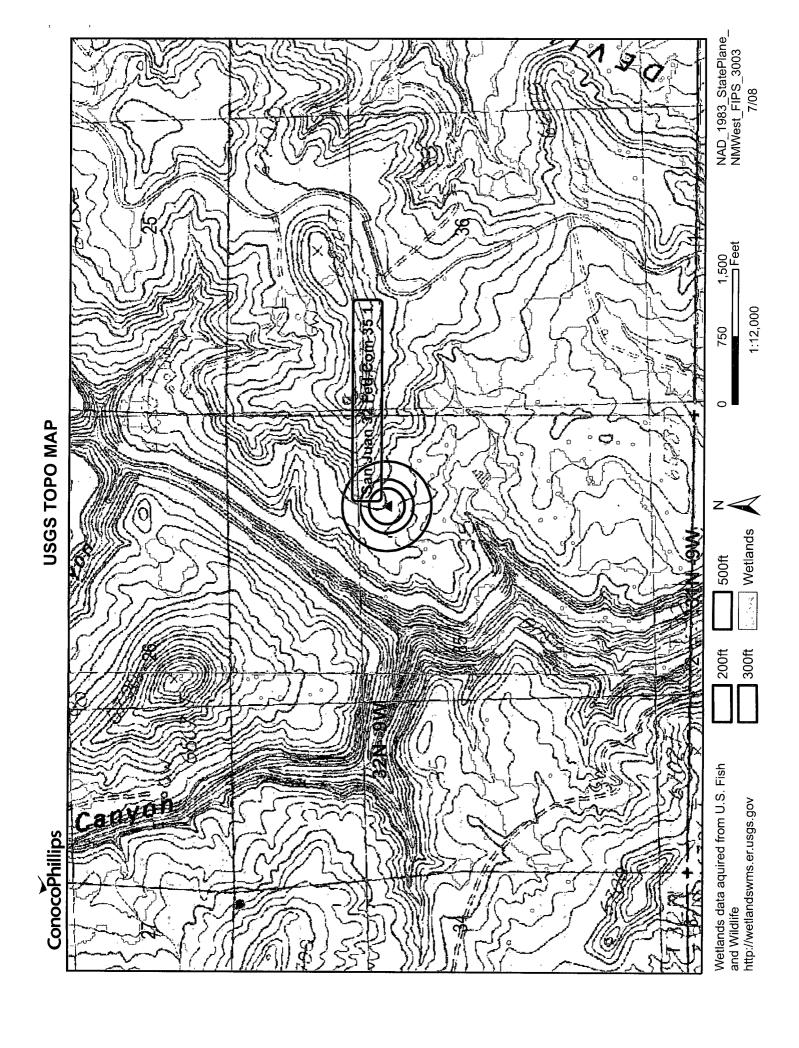
New Mexico Office of the State Engineer POD Reports and Downloads

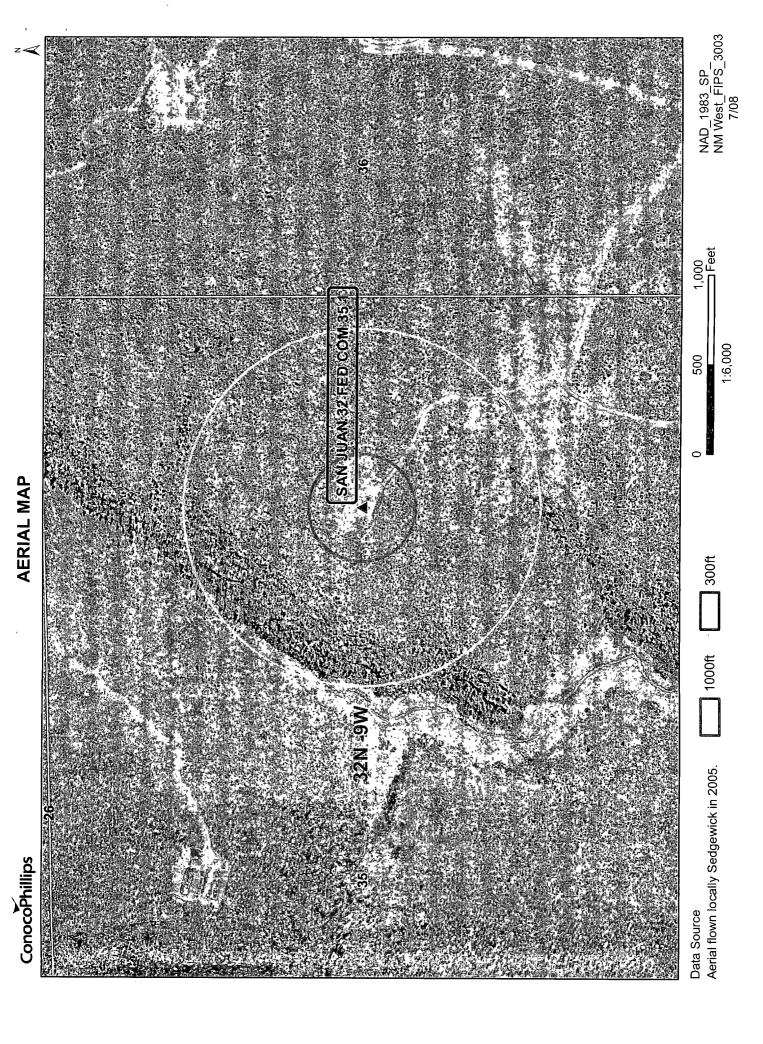
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Town	nship: 32N	Range: 09W	Sections: 25	,26,27,3	4,35,36		
NAD27	X:	Y:	Zone:		Search Radius:	; 	
County:		Basin:	1		Number:	Suffi	x:
Owner Name: ((First)	(L	ast)		○ Non-Domestic	○ Dom	estic
المنابعة الم	POD / Sur	face Data Repor	t Av ter Column Repo		to Water Report		
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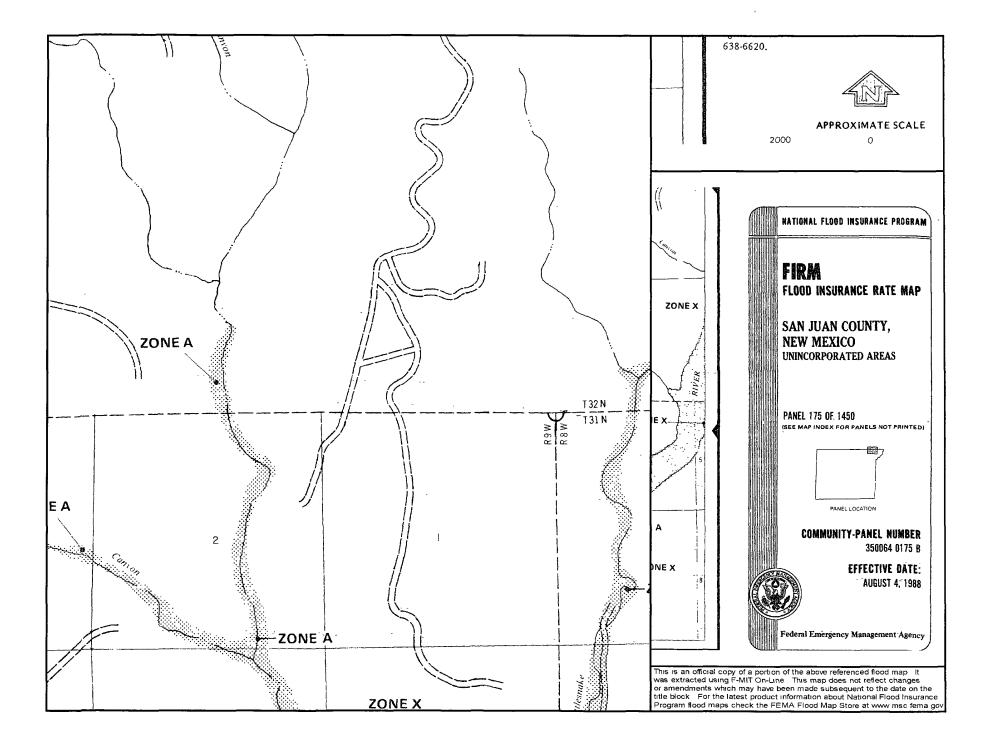
New Mexico Office of the State Engineer POD Reports and Downloads

Tow	nship: 31N	Range: 09W	Sections: 1,2,	3			
NAD27	X:	Y:	Zone:		Search Radius:	1	
County:	2	Basin:			Number:	Suffix	Κ:
Owner Name: ((First)	(Las	st)		O Non-Domestic	○ Dome	estic
	POD / Sur	face Data Report Wate	Avg		to Water Report		
		Clear Form	iWATERS Mer	ņu	Help		
		CAW	TER COLUMN RE	PORT	07/22/2008		
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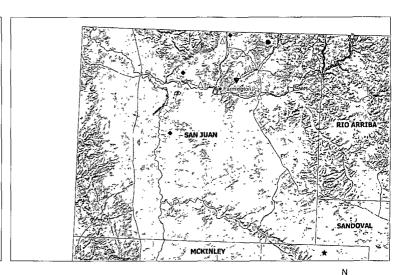






San Juan 32 Federal Com 35 #1 Mines, Mills & Quarries Web Map

Mines, Mil	ls & Quarries Commodity Groups
Δ	Aggregate & Stone Mines
•	Coal Mines
*	Industrial Minerals Mines
•	Industrial Minerals Mills
	Metal Mines and Mill Concentrate
3	Potash Mines & Refineries
2	Smelters & Refinery Ops.
*	Uranium Mines
•	Uranium Mills







Siting Criteria Compliance Demonstrations

The San Juan 32 Federal Com 35 #1 is not located in an unstable area. The location is not over a mine and is not on the side of a hill. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse.

Hydrogeological report for San Juan 32 Federal Com 35 #1

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.

DISTRICT I P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised Febuary 21, 1994 Instructions on back Submit to Appropriate District Office

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION

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State Lease - 4 Copies Fee Lease - 3 Copies

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

P.O. Box 2088 Santa Fe, NM 87504-2088

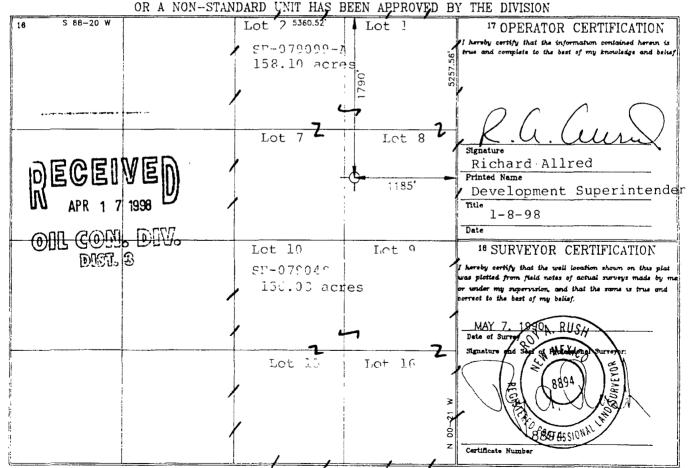
☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

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1 API	Number			Pool Code			Pool Nam	e	
30-1	045-24	71629			I	Basin Fruitland Coal			
Property Co		Property Name 'Well Number					Well Number		
00747	3		SAN JUAN 32 FED COM 35						
OGRID No.			Operator Name Elevation					Elevation	
017654				PHILLIPS PETROLEUM 6709					
		<u> </u>			10 Surface	Location			
IL or lot no.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
н	35	32-N	9-W		1790	NORTH	1185	EAST	SAN JUAN
			11 Botto	m Hole	Location I	f Different Fro	om Surface		
L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	·			İ					
Dedicated Acres	15 Joint	or Infill 14 C	onsolidation	Code 18 Or	der No.	<u> </u>	1	1	
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NO ALLOWA	BLE W	ILL BE A	SSIGNED	TO THI	S COMPLETION	ON UNTIL ALL	INTERESTS I	AVE BEEN	CONSOLIDAT

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



ConocoPhillips Company San Juan Basin Pit Design and Construction Plan

In accordance with Rule 19.15.17 the following information describes the design and construction of temporary pits on 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.

General Plan:

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

ConocoPhillips Company San Juan Basin Maintenance and Operating Plan

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of temporary pits on 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.

General Plan:

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

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.
- 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 as per the approved closure plan using 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 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
 - Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.
- 7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.
- 8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

21B or 8260B 21B or 8260B	0.2
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- 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.