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

 $July\ 21,\ 2008$  For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office

Form C-144

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 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

Consider Booking Conference Of R. Conference III.	ordinances.
Operator: Burlington Resources Oil & Gas Company, LP  OGRID#: 14538	
Address: PO Box 4289, Farmington, NM 87499 Facility or well name: Filan 5M	
U/L or Qtr/Qtr: C(NENW) Section: 5 Township: 27N Range: 8W County: San Juan  Center of Proposed Design: Latitude: 36.608377' N Longitude: 107.706839' W NAD:	1927 <b>X</b> 1983
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment	
2 X Pit: Subsection F or G of 19.15.17.11 NMAC	
Temporary: X Drilling Workover	
Permanent Emergency 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 approve 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	8 RECEIVE
Below-grade tank: Subsection I of 19.15.17.11 NMAC	(A) (A)
Volume: bbl Type of fluid:	OIL CONS. DIV. DIV. 3
Tank Construction material	20
Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	191919181
Visible sidewalls and liner Visible sidewalls only Other	OIL CONS. DIV. DIV. I
Liner Type: Thickness mil HDPE PVC Other	-
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration	n of approval

6 Foreign Culturation D of 10.15.17.11. NMAC (Application of the control of the c					
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)					
8 Signs: Subsection C of 19.15.17.11 NMAC					
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers					
X Signed in compliance with 19.15 3.103 NMAC					
9 Administrative Approvals and Exceptions:					
Justifications and/or demonstrations of equivalency are required Please refer to 19.15.17 NMAC for guidance					
Please check a box if one or more of the following is requested, if not leave blank:					
Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for constant	ideration of ap	proval.			
Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.					
10					
Siting Criteria (regarding permitting): 19.15.17.10 NMAC					
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable					
source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the					
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria					
does not apply to drying pads or above grade-tanks associated with a closed-loop system.					
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	∏Yes	XNo			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells		AINO			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	☐ Yes	XNo			
lake (measured from the ordinary high-water mark).		22,110			
- 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	Yes	X No			
application.					
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	□ NA				
- 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.	Yes	No			
(Applied to permanent pits)	XNA				
- 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	∏Yes	XNo			
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.					
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.	1				
•	<sub> </sub>				
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.	Yes	X No			
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	l — `	`			
Within an unstable area.  Figurearing measures incorporated into the design: NM Bureau of Geology & Mineral Passauross: LISGS: NM Geological	Yes	X No			
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map					
Within a 100-year floodplain	Yes	X No			
- FEMA map	L	ا ™ت			

Form C-144 Oil Conservation Division Page 2 of 5

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					
Tythogeologic Data (Temporary and Energency 1 ks) - based upon the requirements of 19.15 17.10 NMAC					
X   Design Plan - based upon the appropriate requirements of 19.15 17.10 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					
13					
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Climatological Factors Assessment  Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC  Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  Luner 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					
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.					
Type: XDrilling 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)					
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 10.15.17.13 NIMAC					
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					

Off Conservation Division

16				
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two	C) vo facilities			
Disposal Facility Name Disposal Facility Permit #				
Disposal Facility Name: Disposal Facility Permit #				
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future.  Yes (If yes, please provide the information No				
Required for impacted areas which will not be used for future service and operations  Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15.17.13 NM 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	ЛАС			
17				
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC Instructions Each siting criteria requires a demonstration of compliance in the closure plan Recommendations of acceptable source material are provided certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to for consideration of approval Justifications and/or demonstrations of equivalency are required Please refer to 19 15.17.10 NMAC for guidance				
Ground water is less than 50 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search, USGS. Data obtained from nearby wells	Yes X No			
- NW Office of the State Engineer - TWATENS database search, 0303. Data obtained from hearby wells	□N/A			
Ground water is between 50 and 100 feet below the bottom of the buried waste  - NM Office of the State Engineer - iWATERS database search; USGS, Data obtained from nearby wells	Yes XNo			
Ground water is more than 100 feet below the bottom of the buried waste  - NM Office of the State Engineer - iWATERS database search; USGS, Data obtained from nearby wells	XYes No			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	Yes 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			
- Visual inspection (certification) of the proposed site, Aerial photo; satellite image	Yes X No			
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 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 - US Fish and Wildlife Wetland Identification map; Topographic 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 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;	Yes XNo			
Topographic map Within a 100-year floodplain FEMA map	Yes XNo			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure was the check mark in the box, that the documents are attached.	sure plan. Please indicate,			
X   Siting Criteria Compliance Demonstrations - based 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 in place burial of a drying pad) - based upon the appropriate requirements of	of 19.15.17.11 NMAC			
X 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 NMA	AC			
X   Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC				
<ul> <li>Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards</li> <li>Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> </ul>	cannot be achieved)			
X Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC				
X   No - Vegetation Finite - based upon the appropriate requirements of Subsection G of 19 15 17.15 NMAC				

Form C-144 Oil Conservation Division Page 4 of 5

Operator Application			,	
	nformation submitted with this application is true, a			
Name (Print):	Crystal Tafoya	Title:	Regulatory Technician	
Signature:		Date:		
e-mail address:	crystal tafoya@conocophillips.com	Telephone:	505-326-9837	
	Permit Application (including closure plan) [ Signature:   Symptotic of the content of the conte		OCD Conditions (see attachment)  Approval Date:	
Instructions: Operators a report is required to be s	ired within 60 days of closure completion): are required to obtain an approved closure plan prioribinities to the division within 60 days of the complets been obtained and the closure activities have been	or to implementing any closi letion of the closure activitie n completed.	re activities and submitting the closure report. T	
22	t .			
Closure Method:  Waste Excavation	n and Removal On-site Closure Method approved plan, please explain.	Alternative Closure	Method Waste Removal (Closed-loop syst	ems only)
		Irilling fluids and drill cutti Disposal Facility		
Yes (If yes, pleas  Required for impacted	system operations and associated activities perform e demonstrate complilane to the items below) d areas which will not be used for future service and (Photo Documentation)	No	t be used for future service and opeartions?	
Soil Backfilling a	and Cover Installation ophication Rates and Seeding Technique			
he box, that the docu Proof of Closure Proof of Deed N Plot Plan (for or Confirmation S: Waste Material Disposal Facilit Soil Backfilling Re-vegetation A	e Notice (surface owner and division) Notice (required for on-site closure) n-site closures and temporary pits) ampling Analytical Results (if applicable) Sampling Analytical Results (if applicable) y Name and Permit Number and Cover Installation application Rates and Seeding Technique in (Photo Documentation)	Collowing items must be atta	ched to the closure report. Please indicate, by a	check mark in
25 Operator Closure Cen	rtification:			
	nformation and attachments submitted with this clo n all applicable closure requirements and condition.			ief. I also certify that
Name (Print):		Title:		
Signature		Date:		
e-mail address.		Telephone:		

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

Township: 27N	Range: 08W Sections: 4,5	5,6,7,8,9	-		
NAD27 X:	Y: Zone:	Search Radius:			
County:	Basin:	Number:	Suffix:		
Owner Name: (First)	(Last) All	○ Non-Domestic	ODomestic		
POD / Surface Data Report Avg Depth to Water Report  Water Column Report					
Clear Form, iWATERS Menu (Help)					
WATER COLUMN REPORT 09/26/2008					

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Tws Rng Sec q q q Zone X

Depth Depth Wate Y Well Water Colum

No Records found, try again

POD Number

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

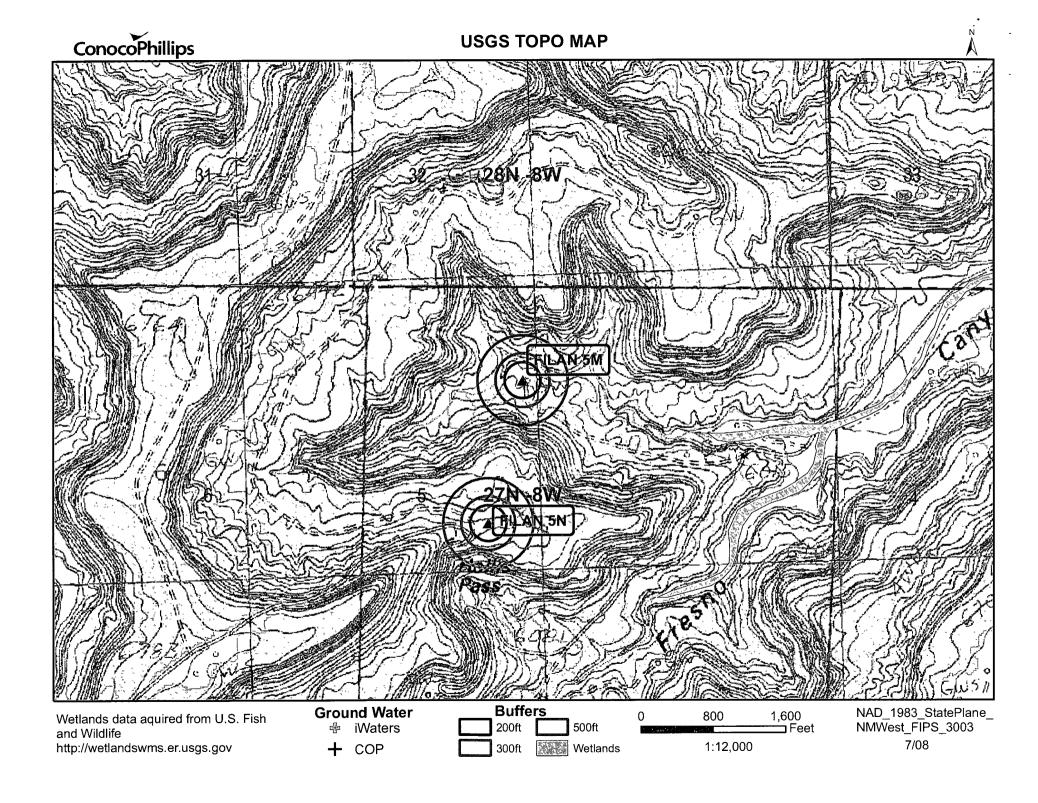
Township: 28	N Range: 08W	Sections: 31	1,32,33			
NAD27 X:	Y: ,	Zone:		Search Radius:		
County:	Basin:			Number:	Suffix:	
Owner Name: (First)	(L	ast) All	,	○ Non-Domestic	① Domestic	
POD / Surface Data Report  Avg Depth to Water Report  Water Column Report						
Clear Form iWATERS Menu Help						
	T. T. T.			20.426.42008		

#### WATER COLUMN REPORT 09/26/2008

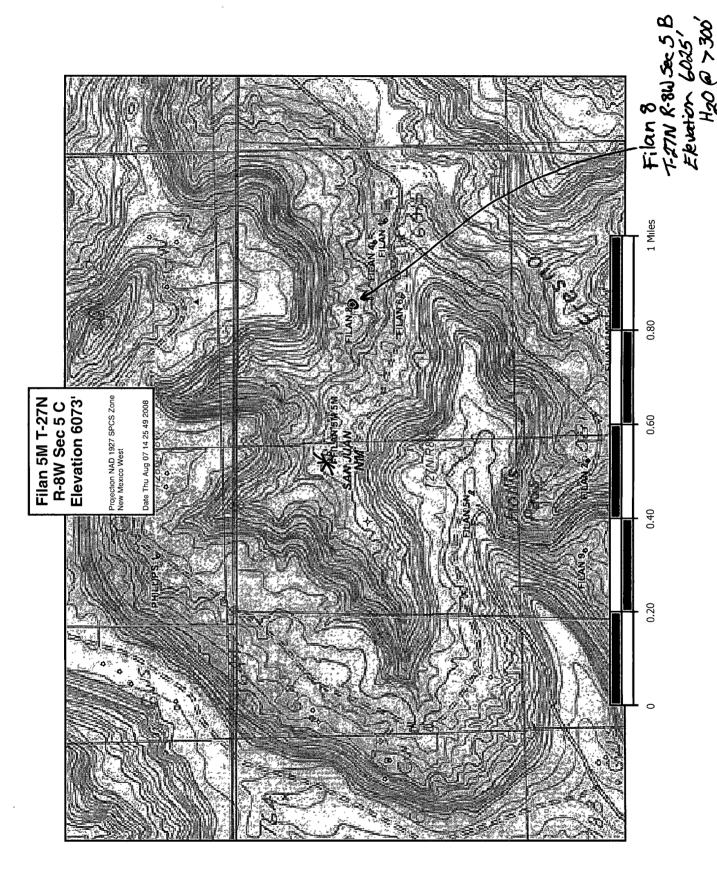
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) POD Number Tws Rng Sec q q q Zone X

Depth Depth WateWell Water Colum

No Records found, try again



The Map



https://148twp.conocophillips.net/servlet/com.esri.esrimap.Esrimap?ServiceName=SanJuan&ClientVersion=4.0&Form=True&Encode=False

4-30-045-06865

## 1- 30-045-06662 J- 30-045-37714 DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

Operator UNOCAL	Location: Unit Sec. 5 Twp 27 Rng 8
Name of Well/Wells or Pipeline Service	ed_Filan #4, 1, & 8
	Total Depth 300' Land Type* F
Casing, Sizes, Types & Depths 20' of 6	S diameter PVC
If Casing is cemented, show amounts &	types used NA
If Cement or Bentonite Plugs have bee	n placed, show depths & amounts used
Depths & thickness of water zones wit Fresh, Clear, Salty, Sulphur, Etc. Ju	th description of water when possibles st moist, - moisture only.
Depths gas encountered: NA	
Type & amount of coke breeze used: Ca	rbo 40, 99.9% Carbon, 1644 1bs
Depths anodes placed: 210', 220', 230',	240', 250' & 260'
Depths vent pipes placed: 0' to 300' d	eep DEGELVE II
Vent pipe perforations: Laser cut slots	from 100' to 300' deep MARI 9 1991.
Remarks: First ground bed installed at th	
	Dist. 3

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 3160-4 (November 1983) (formerly 9-330)

### UNITED STATES

SUBMIT IN DUPLICATE.

DEPARTMENT OF THE INTERIOR

Secother In Single of the conForm approved. Budget Bureau No. 1004-0137 Expires August 31, 1985

AND DESIGNATION AND SERIAL NO

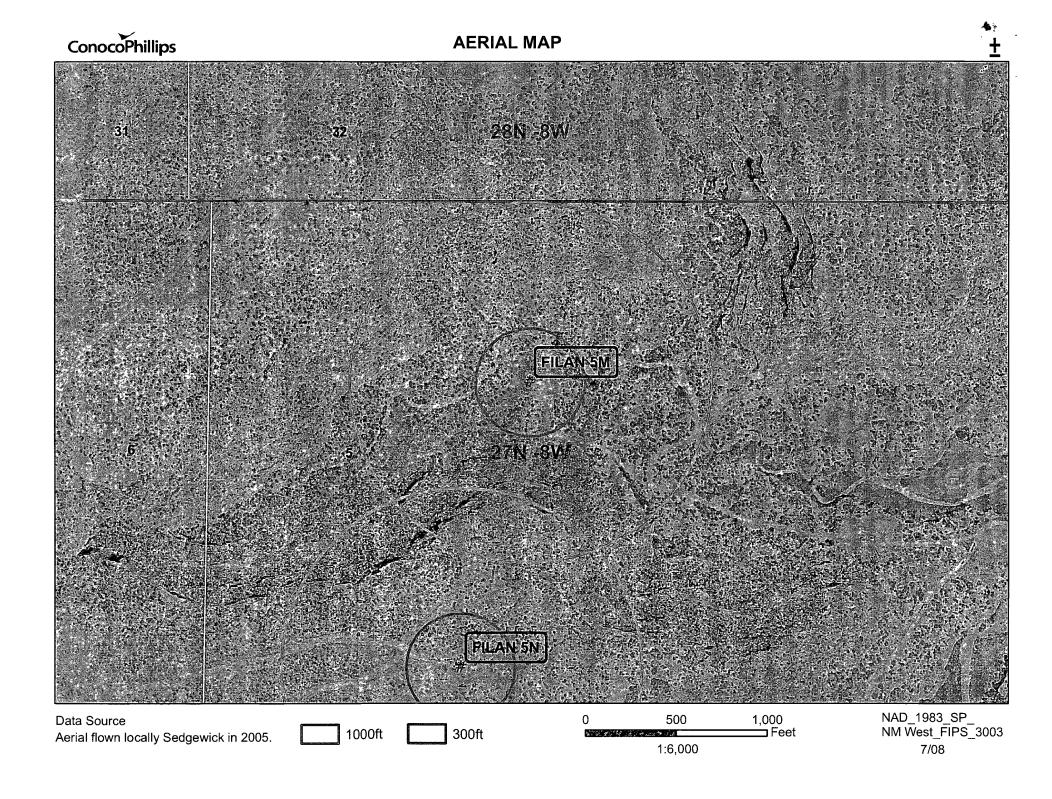
	BUREAU	OF LAND MANA	GEMENT				SF-0784	61
WELL CO	MPLETION OR	RECOMPLETIC	ON RFI	PORT	AND I O	G *		LIOTTEE OR TRIBE NAME
14 TYPE OF WEL	L on —	6.15		<del></del>		<del>-</del> -	7 STE AGREES	CENT SAME
b TYPE OF COM	PLETION	WEIG 🕰 DRY	r <u> —</u> Отһ	ier			· vii auters	the transfer of the second sec
YFW X	WORK TOTAL	P. Fr. DIFF	Oth	ner			" 1 Al. W UR LE	ANE NAME
2 NAME OF OPERAT	ron						Filan	
Union Oil	Company of Ca	lifornia :	n 15	P 5 1	V S I	·	9 WELL NO	
3 ANDRESS OF OPE		_ 50500		(y) ( <u>L</u>		1	8	POOL, OR WILDCAT
P. O. BOX	671 - Midland	Texas 79702	citie any 8	lote Acous	Parante) .	<del>'</del>		
At surface 1	.285' FNL & 175	5 pret.	AU	GUB	1990		11 SEC T. R.,	M. OR BLOCK AND SURVEY
	terval reported below	) PED	211	CON	. DIV		UP AREA	
			716	DIST.			Sec. 5	RAW
At total depth		1 14 PER		UI31.				
				7/1	DATE ISSUED		12 COUNTY OR PARISH	•
15 DATE SPUDDED	16 DATE TO REACHE		FS27		4-2-90	OF REB. R	San_Jua	NM
5-19-90	5-21-90	6-19-90				25' GR		
20 TOTAL DEPTH, MD	'		IF WITTER		. 7 2.: 18	TERVALS	ROTARY TOOLS	CABLE TOOLS
2260'	2257'					<u>→</u>	0-2260'	
24 PRODUCING INTE	RVAL(S) OF THIS COURT	ETION TOP, BOTTOM	AME (MD	AND TYPI	•			25 WAS DIRECTIONAL SURVEY MADE
21201	- 2208' Fruitla	nd						No
	AND OTHER LOGS RUN	184					1 2	7 WAS WELL CORED
GR MIRI							!	No
29	<del></del>	CASING RECOR	D (Report	all string	s set in well)			
CABINO SIZE	WEIGHT, LB./FT.	DEPTH RET (MD)	HOLE	SIZE	,	EMENTING	RECORD	AMOUNT PULLED
8 5/8"	20#	360'	12 1		Cl B	350 s		
4 1/2"	11.60#	2260'	7.7	7/8"	Cl H		xs (lst st	
	,				DV @ 18		/D 100 SXS	CLB (2nd stage)
29	LINE	R RECORD			30		TUBING RECOR	(1)
8122	TOP (MD) BOTT	OM (MD) SACKS CE	MENT*   S	CREEN (M	D) SIZ	Ε '	DEPTH SET (MD)	PACKER SET (MD)
					2 3	/8"	2136'	
31 PERFORATION SE	CORD (Interval, size and	number)			, GID 07		VIDE (P14117	ACCUPATE PRO
	2146-52', 2154			32.	TERVAL (MD)		URE, CEMENT	OF MATERIAL USED
	2187-91', 2195			2139-				3000 G. w/1#/G. 100 m
4SPF	2207 32 7 2230	2200 (272 2	-			_,		G. 100 mesh sd, 2000 (
			-					/2#/G. 20/40 sd, 10,0
_						w/4#/		
33 •	<del></del>		PRODU					#/G. 20/40 sd
DATE FIRST PRODUC	TION PRODUCTION	METHOD (Flowing, ga	a lift, pum	ping—size	and type of p	ump)	WELL S	TAILS (Producing or in)
DATE OF TEST	HOLRS TESTED   C	Flowing	FOR	OIL—BBL	(,AS	N( )	WATER-BBL	Shut-in
		TEST P		_			_	
7-2-90 FLOW: TUBING PRESS.		ALCULATED OH B	ВТ.	O CAS-		192 WATER-	явг. (	DIL GRAVITY-API (CORR :
100#	170#	24-HOLR RATE )	C:	:	34.2		i .	_
	GAB (Sold, used for fuel,	vented, etc )			<del>-</del>	A C.	TEST WITNESS	
Vented (	during testing	- shut in pen	ding pi	ipelin	e connect	ion <sup>AU</sup>		DE PECORD
Vericer (	<u> </u>		·					

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

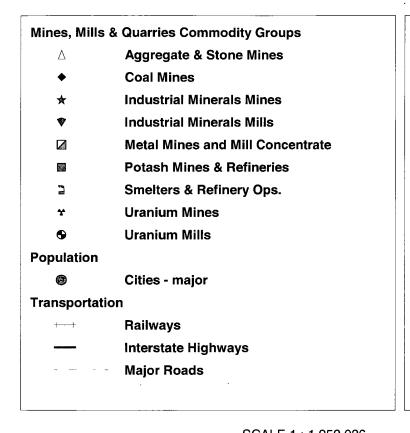
2001 TITLE Drlg. Clerk

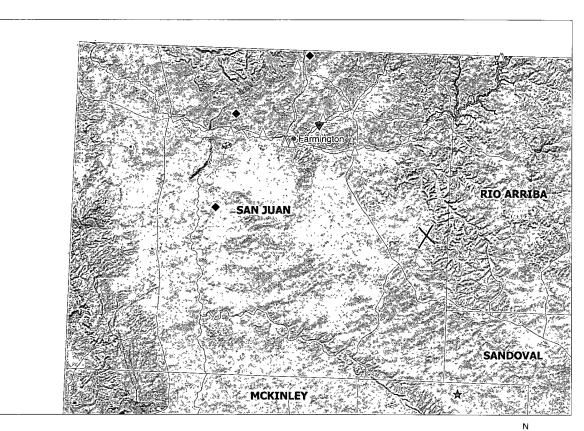
Fitte 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

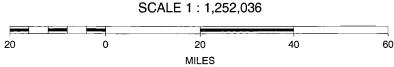
ttached information is complete and correct as determined from all available records



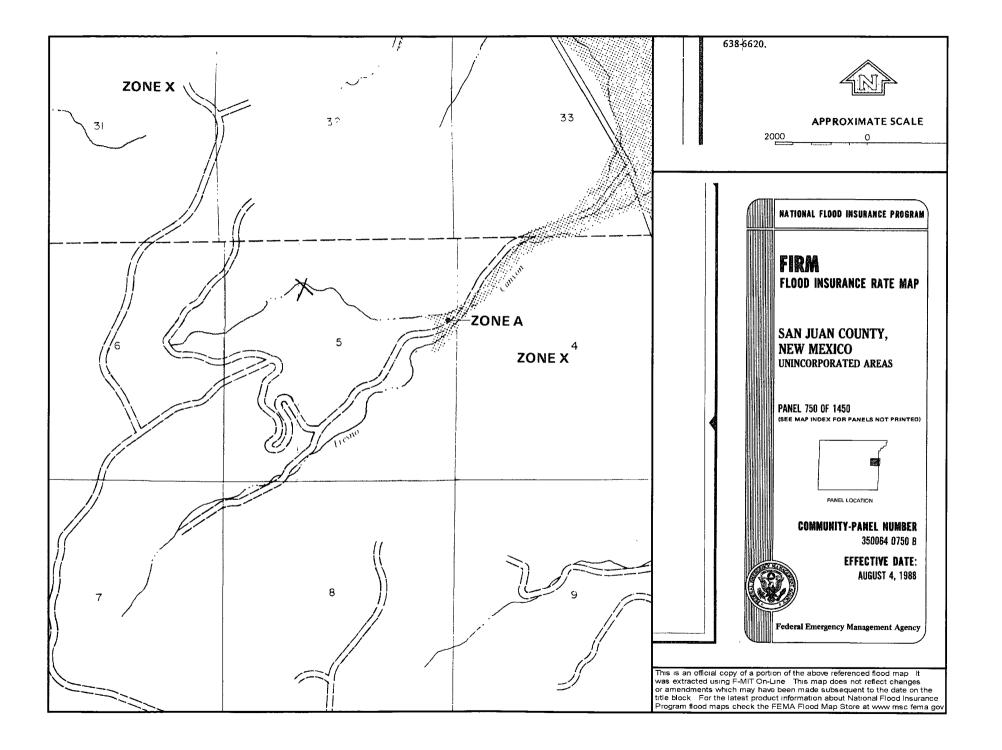
# Filan 5M Mines, Mills and Quarries Web Map











#### Hydrogeological report for Filan 5M

#### 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 Filan 5M 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 Filan 8 with an elevation of 6025' and groundwater depth of 300'. The subject well has an elevation of 6073' which is greater than the Filan 8, therefore the groundwater depth is greater than 100'. 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 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

RECENT D

OCT 2 2 2007

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1600 Rio Brazos Rd., Artes, NM 87410 District IV

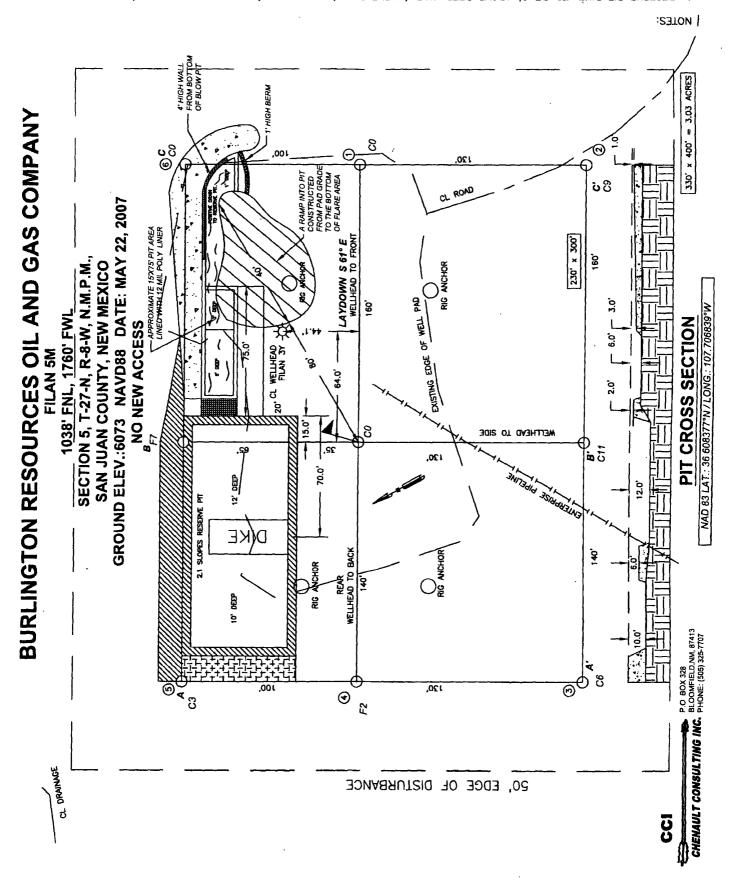
1220 S. St. Prancis Dr., Santa Fe, NM 87505

State of New Mexico Form C-102
Energy, Minerals & Natural Resources Department Land Manage Revised October 12, 2005
OIL CONSERVATION DIVISION Farmingtos dibinit refappropriate District Office
1220 South St. Francis Dr. State Lease - 7 Copies
Santa Fe, NM 87505 Fee Lease - 3 Copies

AMMENDED REPORT

	WE	LL LOCATION AN	D ACREAGE DE	DICATIO	TA.IT	
1 7/	1 APJ Numbur 2 Pool Code 30-045-34474 72319/71599 Blanco ME				<sup>3</sup> Pool Name Basin AVERDE / DAKOTA	,
<sup>4</sup> Property Code	<sup>4</sup> Property Code <sup>5</sup> Property Name  Fit ΔN					
OGRID No. 14538	OGRID No.   S Operator Name  PURILINGTON PERCURSES OF AND CAS COMPANY					
	<u> </u>	10 SURFAC	E LOCATION			
UL or let no. Section C 5	27-N 8-W	Total Feet from the 1038	Nonth/South line NORTH	Feet from the 1760		County SAN JUAN
		Bottom Hole Location				·
UL ne lot no. Scetion	Township Range	Let Idn Feet from the	North/South line	Feet from the	Bust West line	County
Dedicated Acres 13 Join 321.24	or latil 14 Censulidatio	n Cedo 15 Order No.	77 77 78 78 78 78 78 78 78 78 78 78 78 7			
NORTHWEST COR 16 FD. 3-1/8" BRASS CAP 16 GLO 1516	CONSOLIDATED OR  N 89'48'00" V N 89'55'40" V		N 39° W	OVED BY T ST COR. SS CAP LO 1976	HE DIVISION  OPERATOR CERT bereity certify that the information omplete to the best of my knowledge regardenties wither owns a website terral in the land the behing the pr as a righe to drill kills well as that title me was not youn a measure	a compained barein as trus unul re und bellef, and that this y interest or unlessed minural oposed bottom bule locasion or
					Kandis Roland Printed Name Regulatory Tec. Intio and E-mail Address 6/21/07 Onte SURVEYOR CERT	IFICATION
W/2 DEDICATED USA SF-DI SEGTION T-27-N, R-	78461 1 5.				I hereby could than the well to well to well to well to have of a new or moder my supervision, as not correct to the best of my be.  Date of Survey: 5/22/0 Signature and Seal of Pro-	u that successes to reta lief.
SOUTHWEST COR. FD. 3-1/4" BRASS CAP BLM 1435				-	Cartificate Number: Niv 113	

1. RESERVE PIT DIKÈ: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).

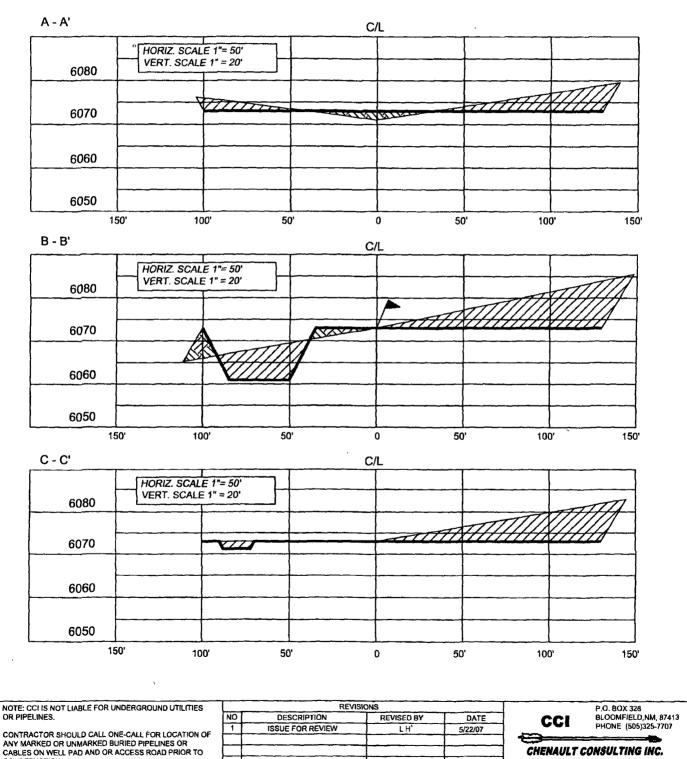


## **BURLINGTON RESOURCES OIL AND GAS COMPANY**

FILAN 5M 1038' FNL, 1760' FWL

SECTION 5, T-27-N, R-8-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

**ELEV.: 6073 NAVD88** 



#### 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 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	<del>-50</del> Q
Chlorides	EPA 300.1	1000/500

- 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 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.
- 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. 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 (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.