Bistrict 1

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

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.

220 S St Francis Dr , Santa Fe, NM 87505	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
34108 Prov	Pit, Closed-Loop System, Below-Grade Tank, or	
Prop	posed 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,	

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

below-grade tank, or proposed alternative method

1 Operator: Burlington Resourc	es Oil & Gas Company, LP		RID#: 14538	7
Address: PO Box 4289, Farm				· · · · · · · · · · · · · · · · · · ·
Facility or well name: San Jua				
API Number:	30-039-30363	OCD Permit Number:	· · · · · · · · · · · · · · · · · · ·	
U/L or Qtr/Qtr: B(NW/NE)	Section: 27 Township: 28N	Range: 5W	County: Rio A	rriba
Center of Proposed Design: Lat		Longitude:	107.34418 °W	NAD: 1927 X 1983
Surface Owner: X Feder	al State Private	Tribal Trust or Indian Allo		
Temporary X Drilling Permanent Emergency X Lined Unlined X String-Reinforced Liner Seams. X Welded X	Liner type: Thickness 12 m	il X LLDPE HDPE Volume 4400 bbl	Dimensions L 65'	
Type of Operation. P&A	ubsection H of 19.15.17 11 NMAC Drilling a new well Workove notice of e Ground Steel Tanks Haul-off Bins Liner type: Thickness mi Factory Other	Other	PVD Other	222324252622
Below-grade tank: Subset Volume: Tank Construction material: Secondary containment with letter Visible sidewalls and liner Liner Type: Thickness		iner, 6-inch lift and automatic Other //C Other	overflow shut-off	RECEIVED APR 2009 OIL CONS. DIV. DIST. 3
5 Alternative Method: Submittal of an exception request	t is required. Exceptions must be submitted	to the Santa Fe Environmental	-	

6 1		
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, insti	tution or churc	(h)
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.		
7		
Netting: Subsection E of 19.15 17.11 NMAC (Applies to permanent pits and permanent open top tanks)		
Screen Netting Other		
Monthly inspections (If netting or screening is not physically feasible)		
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 Expertions		
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.		1
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 cons	ideration of an	proval
(Fencing/BGT Liner)	.common or ap	p.o.ui
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.		
10 Siting Criteria (consulting) 10 15 17 10 NMAC		
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		ļ
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.		
does not apply to drying pads of above grade-tanks associated with a closed-toop system.	_	_
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	Yes	□No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	Yes	□No
lake (measured from the ordinary high-water mark).		
- Topographic map; Visual inspection (certification) of the proposed site	j	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes	No
application.	l	l
(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)	□NA	
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		l
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	□No
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.		
NIM Office of the Carte Englished WATERS database and Windlight Control of the Carte Control	İ	
- 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	Yes	No
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.	∏Yes	По
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	"-"	ш···
Within the area overlying a subsurface mine.	Yes	□No
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	_	_
Within an unstable area.	Yes	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	∐No

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
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15 17.10 NMAC
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Operating and Maintenance Plan - based upon the appropriate requirements of 19 15.17 12 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15 17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API
Closed-loop Systems Permit Application Attachment Checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15 17.9
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15 17.13 NMAC
Previously Approved Design (attach copy of design) API
Previously Approved Operating and Maintenance Plan API
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
Climatological Factors Assessment
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15 17.11 NMAC
Dike Protection and Structural Integrity Design. based upon the appropriate requirements of 19.15.17 11 NMAC
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
Quality Control/Quality Assurance Construction and Installation Plan
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15.17.11 NMAC Nuisance or Hazardous Odors, including 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
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
XIn-place Burial On-site Trench Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Tricinative closure vicinou (Exceptions must be submitted to the Santa Fe Environmental Buleau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15 17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17 13 NMAC
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Form C-144 Oil Conservation Division Page 3 of 5

16 Wester Permand Cleaner For Cleand Ion Systems That Hilling About Cround Steel Tente on Hand off Pine Only (10.15)	17.12 D NMAC)	
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15 Instructions Please identify the facility or facilities for the disposal of liquids, drilling flinds and drill cuttings. Use attachment	at if more than two facilities	1
Disposal Facility Name: Disposal Facility Parmit #		
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 b		
Yes (If yes, please provide the information No	·	
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of	19 15 17 13 NMAC	
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15.17 13 NMAC		
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15.17 13 NMAC		
17		
Siting Criteria (Regarding on-site closure methods only: 19.15 17.10 NMAC		
Instructions Each sting criteria requires a demonstration of compliance in the closure plan—Recommendations of acceptable source mate certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which mi		
for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19 15.17 10 NMAC for gu	idance	
Ground water is less than 50 feet below the bottom of the buried waste.	Yes X No	
- NM Office of the State Engineer - IWATERS database search; USGS: Data obtained from nearby wells	∐N/A	
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes X No	
- NM Office of the State Engineer - IWATERS database search; USGS; Data obtained from nearby wells	□ N/A	
Ground water is more than 100 feet below the bottom of the buried waste.	X Yes No	
- NM Office of the State Engineer - IWATERS database search; USGS; Data obtained from nearby wells	N/A	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or	playa lake Yes X No	
(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 application - Visual inspection (certification) of the proposed site, Aerial photo; satellite image	ı. Yes X No	
Tissual hispection (certification) of the proposed site, Territi proto, satesiae 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 si		
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 ordi	nance adopted Yes X No	
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 	Yes X No	
- US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site	1 — —	
Within the area overlying a subsurface mine.	Yes X No	
- Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division		,
Within an unstable area.	Yes X No	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geologica Topographic map 	i society,	
Within a 100-year floodplain.	Yes X No	
- FEMA map		
18 On-Site Closure Plan Checklist: (19.15.17 13 NMAC) Instructions: Each of the following items must bee atta	ched to the closure plan. Please indicate.	
by a check mark in the box, that the documents are attached.	,	
X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMA	C	
X Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 N	MAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15	.17 11 NMAC	
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate	requirements of 19.15.17.11 NMAC	
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	15 17 12 NMAC	
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 Wasta Material Sampling Plan, based upon the appropriate requirements of Subsection F of 19 15 17 13 NN		
 X Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 No. X Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site cl 		
X Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	orange samulas camion of acineven)	
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	•	

Page 4 of 5

1 10				
Operator Application Ce	ertification: mation submitted with this application is true, ac	coursts and complete to the	best of my knowledge and holief	
Name (Print)	Tamra Sessions	Title:	Staff Regulatory Technician	
Signature:	Tom sleain	Date:	4-22-09	
e-mail address	sessitd@conocophillips.com	Telephone	505-326-9834	
e man address			503 320 7(3)	
OCD Approval: Pet	mut Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment) Approval Date: 4/- 28-6	09
Title:	nviro/spec	OCD Per	nit Number:	
21				
Closure Report (required Instructions: Operators are to report is required to be subm		r to implementing any close etion of the closure activiti a completed	C ure activities and submitting the closure report The cl es. Please do not complete this section of the form until e Completion Date:	
22				
Closure Method: Waste Excavation an	d Removal On-site Closure Method roved plan, please explain.	Alternative Closur	e Method Waste Removal (Closed-loop systems	only)
23				
Instructions: Please identify	Waste Removal Closure For Closed-loop Syste the facility or facilities for where the liquids, d		round Steel Tanks or Haul-off Bins Only: ings were disposed. Use attachment if more than two	facilities
were utilized.		Dunnesal Engilit	Dormit Number	
Disposal Facility Name: Disposal Facility Name:		-	y Permit Number: y Permit Number:	
•	em operations and associated activities performe			_
	monstrate complilane to the items below)	No		
Required for impacted ar	eas which will not be used for future service and	operations;		
Site Reclamation (Ph	,	•		
Soil Backfilling and				
Re-vegetation Applic	ation Rates and Seeding Technique			
Closure Report Attack the box, that the docume		ollowing items must be at	ached to the closure report. Please indicate, by a chec	k mark in
	otice (surface owner and division)			
	ce (required for on-site closure)			
	te closures and temporary pits)			
	oling Analytical Results (if applicable) npling Analytical Results (if applicable)			
=	ame and Permit Number		•	
Soil Backfilling and				
==	ication Rates and Seeding Technique			
	Photo Documentation)			
On-site Closure Lo	cation: Latitude:	Longitude:	NAD 1927 19	83
<u> </u>				
			e and complete to the best of my knowledge and belief. closure plan.	I also certify that
Name (Print).		Title:		
Signature:		Date.		_
e-mail address:		Telephone:		

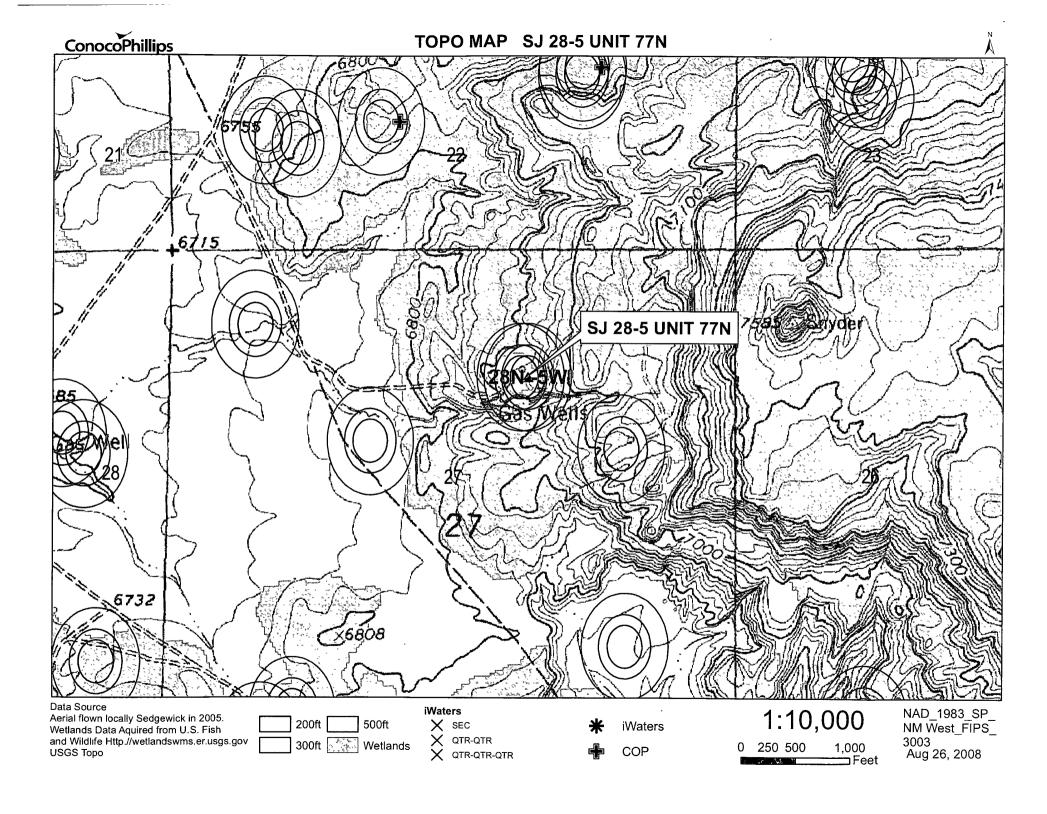
New Mexico Office of the State Engineer POD Reports and Downloads

Township: 28N Range: 05W Sections: 21,22,23,26,27,28,33,34,35
NAD27 X: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic
POD// Surface Data Report: Avg Depth to Water Report Water Column Report
Clear Form iWATERS Menu Help
WATER COLUMN REPORT 04/22/2009

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

	(quarter	s are bi	ggest to.	smalle	st)		Depth	Depth	Wat∈
POD Number	Tws	Rng Sec	विव्	Zone	x	Y	Well	Water	Colum
SJ 00047	28N	05W 28					465	265	2(
SJ 00036	28N	05W 28	3				303	243	6

Record Count: 2



gib #77-30-039-20106

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL	Location: Unit H Sec.27 Twp 28 Rng 5
Name of Well/Wells or Pipeline Servi	ced <u>SAN JUAN 28-5 UNIT #40, #77 /</u>
	cps 1135w
Elevation 6919' Completion Date 8/2/88	Total Depth 645' Land Type* N/A
Casing, Sizes, Types & Depths N/A	
If Casing is cemented, show amounts	& types used N/A
If Cement or Bentonite Plugs have be	en placed, show depths & amounts used
N/A	
Depths & thickness of water zones wi	th description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc.	√460' - 480'
Depths gas encountered: N/A	
Type & amount of coke breeze used:	N/A
Depths anodes placed: 600', 593', 586',	579', 572', 565 p 6582, 500'T 573', 480'
Depths vent pipes placed: 650'	שו או
Vent pipe perforations: 200'	MAY 3 1/1991.
Remarks: gb #3	OIL CON. DIV.
	<i>-</i>

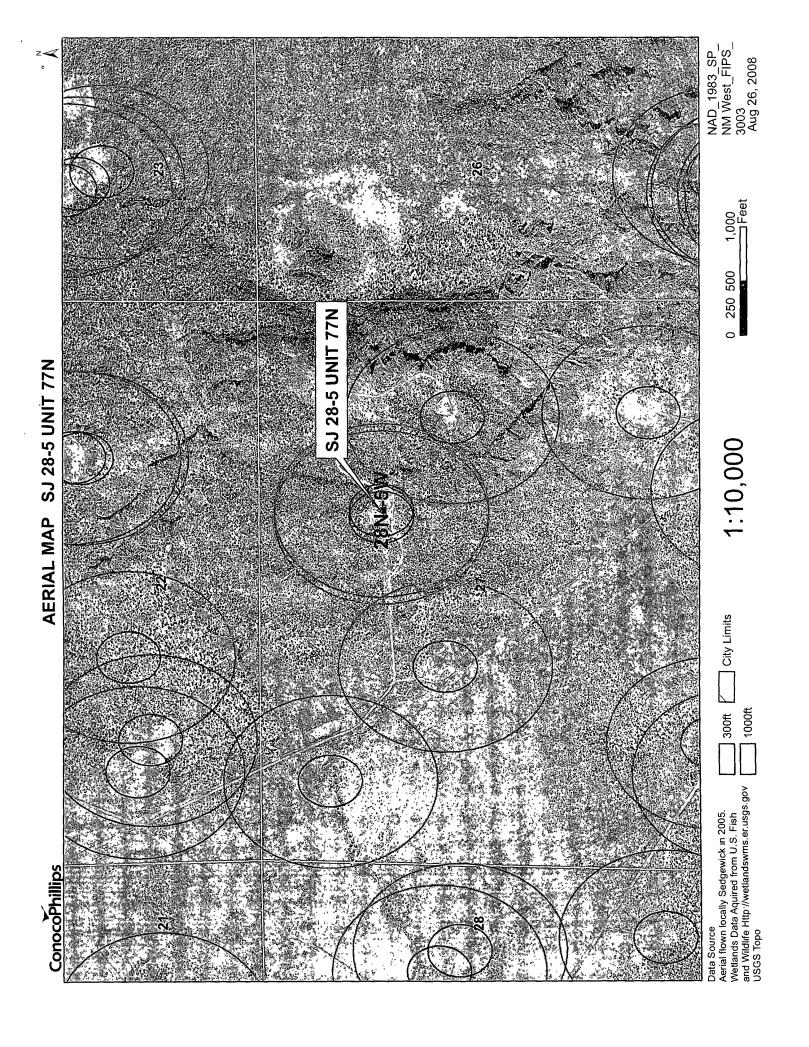
If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG O DAILY LOG

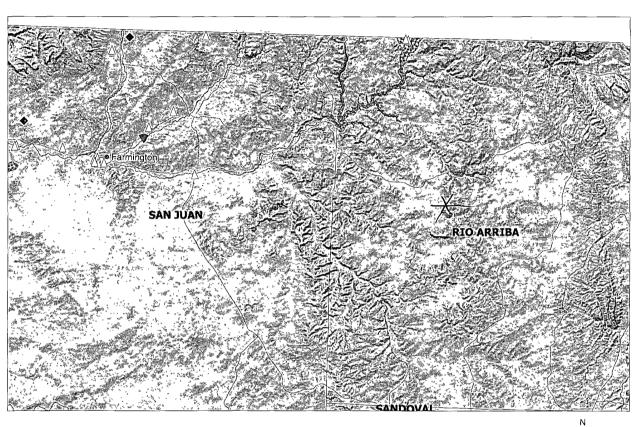
Redrill

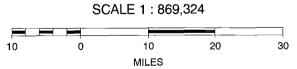
Drilling Log (Asta	ub Hereto)	[2]				con 3		Completion I	Date <u> </u>	<i>8</i> 3
CPS #	Weil N	Vame, Line or Plant:			Work Orde	let #	Static:	/	Ins. Union Check	*
			1-8-1-24			523	18A V			
			40		B	27-28-5		00A V	Good	□ B⊯d
1/356	<u></u>				<u></u>					
Location: H 27-3		Anode Size:		Du	rerio	m)	Size Bit: 63/4	<i>''</i>		
Depth Drilled	Dep	pth Logged 545"	Drilling Rig Time		Total	d Lbs. Goice Used	Lost Circular	ion Mat'l Used	No. Sucks Mind U	sed
Anode Depth	# 2 <i>59</i> 5		* 4579		572	# 6 565	#755B	* 855/	" 9.542	# 10 480
Anode Output (A		" 33.2	#4.3/	1	9.9	* 63.2	#728	* 82.8	*92.5	* 1025
Anode Depth			1	1	<u>"</u>	!			1	1
# 11 Anode Output (A	# 12 (mps)	# 13	# 14	# 15		# 16	# 17	# 18	# 19	# 20
	# 12	# 13	# 14	# 15		# 16	# 17	# 18	# 19	# 20
Total Circuit Re		Amps 7.1	Ohms	1.7.	2	No. 8 C.P. Cai	ble Used		No. 2 C.P. Co	ible Used
Remarks: 2	Vator	Linn	NAO' to	- 1.6g		taken	7 hom	most	· Mosont	2 las)
Lalo.	11/A)	1 Nrill	dwi	H.		4 1		N 650'		
- A	<u> mun</u>	1 -t	,			4 /			of .	<u> </u>
vent	pup	e, low	000 ge	201	Derry	forates	س. گلا			
					<u></u>					
			4074.	60			···-			
Rectifier Size:_ Addn'l Depth,	60 INC 10	v 30	_ 1015.0	∞ <i>-</i>	/			All Constri	uction Complete	ed
Depth Credit:	-0-		_ //				1	1		
Extra Cable:	10'00		_ 2.40) <i>'</i>			(bl	in 14	Indurai	つ
Ditch & 1 Cabl 25 'Meter Pol	4	9.70 3-	_ 14,00	•			- Cu-	(S	(gnature)	
20' Meter Pol	le: 🕳	<u></u>	G	ROUN	D BED I	LAYOUT SKET	гсн			
10' South Dales	4		- ^ / A	~ /		-198	NO			
1 functi	indle	of _	225.00	72			不是			1
		a , (5330.4 266.5 596.9	10-			~ >	aur B		ł
		tos	266.5	2,			Find	3	*I OR	. 1
			196.9	20	1/43	~		F March Q	O WE	mest .
		9	3/0		10 1			PLING.	Š //	as I
								J 6	20-1	1
		•							1.00%	N N
		•							/	ک ا
								4	. \ \	
								ree	素を	-
								.	يني تنظيم	- 1
									_	#117
					(10	\		* #F	÷.	74
		•		`	ماره				ئلسىيى ئ	` ` ` `



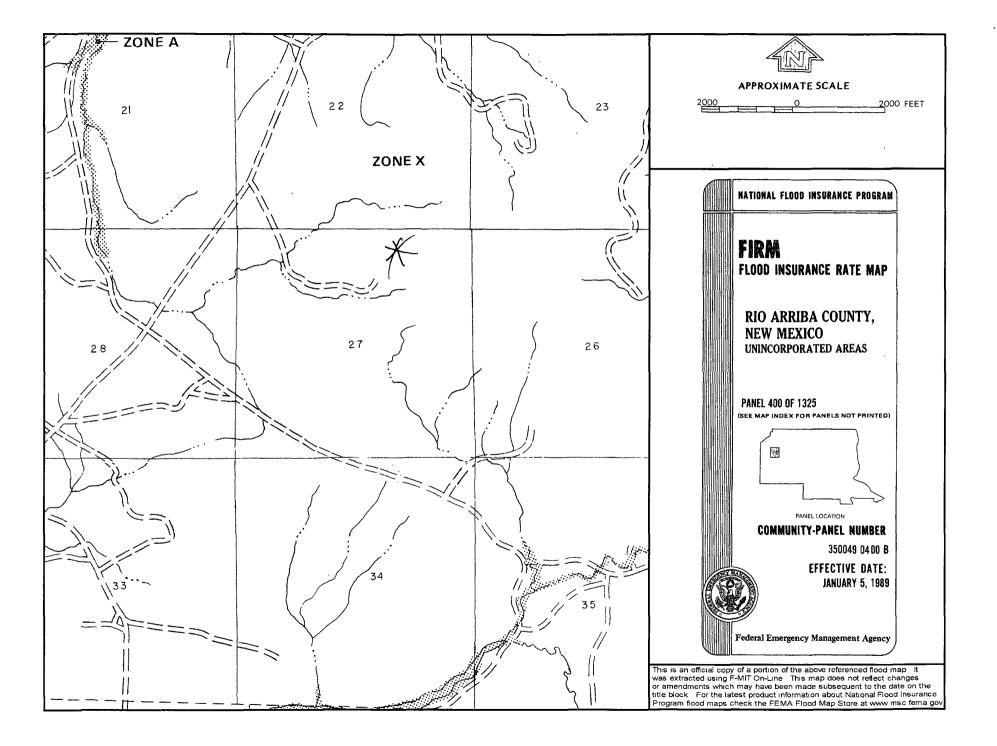
SAN JUAN 28-5 UNIT 77N Mines, Mills & Quarries

Mines, Mills	& Quarries Commodity Groups
Δ	Aggregate & Stone Mines
•	Coal Mines
*	Industrial Minerals Mines
•	Industrial Minerals Mills
	Metal Mines and Mill Concentrate
	Potash Mines & Refineries
	Smelters & Refinery Ops.
*	Uranium Mines
•	Uraníum Mills
Population	
(a)	Cities - major
Transportation	on .
+++	Railways
	Interstate Highways
e su maniero. Action de a	Major Roads
;	n n m.









Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 28-5 Unit 77N 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 200' as determined by the topographic map and the Cathodic well data. The subject well has an elevation of 6919' and groundwater depth is 460'. The iWATERS data points are located in section 28 and are depths of 265' and 243' as indicated on the TOPO Map. Using these data points and the cathodic data provided the indication of groundwater depth is greater than 200'. The hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

Hydrogeological report for San Juan 28-5 Unit 77N

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.

Sessions, Tamra D

From:

Sessions, Tamra D

Sent:

Wednesday, April 22, 2009 10:24 AM

To:

Subject:

'mark_kelly@nm.blm.gov' San Juan 28-5 Unit 77N - Surface Owner Notification

The subject well has a temporary pit that will be closed on-site. Please let me know if you have any questions.

Thank you,

Tamra Sessions Staff Regulatory Technician CONOCOPHILLIPS COMPANY / SJBU 505-326-9834 Tamra.D.Sessions@conocophillips.com

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

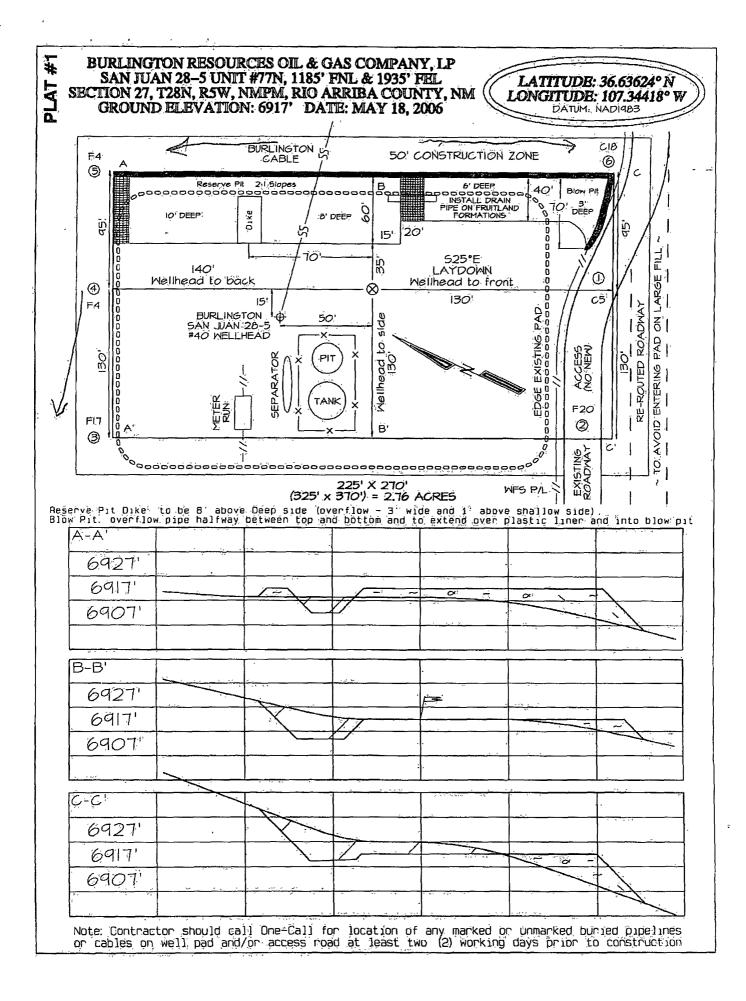
Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AND ESSION

Certificate Number

District IV 80 Box 2088,	Santa Fe,	NM 87504-20	Ĵ88	Эάi	ira cé; M	4 67304-500¢)		AMENDE	D REPOR
		,	WELL 1	_ÖČÁT:	IÓN AND	ACREAGE DED!	[CATION :PL	ŢĀŢ		- ,
<u> </u>	API Numbe	r .		Pop) Cod	e.		Pool Nam	ie.	-	
*Property	Code			7,11,	³Proper SAN JÚÁN	ty Name 28-5 UNIT				1 Number 77N
'OGRID	No:	**Operator Name **Elevation BURLINGTON RESOURCES OIL & GAS COMPANY, LP 6917								
				7 47 4 45	¹⁰ Surface					
B. or lot no.	Section .27	28N	Range: 5W	Lot Idns	Feet from the	North/South Tine	Feet from the 1935	East/He		County PIO ARRIBA
II on lot no	T 5-1			Hole L		If Different	From Surf			
UL or Jot no	Section 27	,58Й Lūministria	Range 5W	LOT 100	Feet from the	NÓŘTH.	Feet from the 740	East/He EAS	· · ·	RIO ARRIBA
Dedicated Acre	5	٠		,	¹³ Voint on Infill	³⁴ Consoladataon, Code	¹⁵ Ořder No.			D -
NO ALLO	WABLE W	ILL BE AS	SIGNED NON-STA	TÖ TH	IS COMPLET UNIT HAS E	ÎDN UNTIL ALL BEEN APPROVEO	INTERESTS H BY THE DIVI	AVE BE SION	EN CON	SOLIDATED
16		SURF LOCA LAT: 36:6 LONG: 107 DATUM	ACE TION 53624 N	91.88 	1,05	060	I hereby containe to the t	certify to herein i	CERTIF that the in s true and knowledge	TCATION formation complete, and belief
		LAT: 36 3 LONG: 107 DATUM:	'20:6147 'h	685	N 16	1489'E 74	Signatur			
		†			445'	BOTTOM-HOLE LOCATION LAT: 36 38 222 LONG: 107 20 370 DATUM: NAD27	SN Title	Name		
. 2580.00	5F-0.	79520 		27 =	4		I hereby shown on notes of my superv and corre	certify the this plate actual sur- ision and ct to the	at the well was plotted yeys made I that the s best of my	
u i		1.					norié i	and Seal		18, 2006 sonal Surveyor
ــــــ ر ـــنيـ					, 		/	a (3)	5269)	ا بق

5280.00



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:

- 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 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	500
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 stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Туре	Variety or Cultivator	PLS/A
Western wheatgrass	Arriba	3.0
Indian ricegrass	Paloma or Rimrock	3.0
Slender wheatgrass	San Luis	2.0
Crested wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbrush	Delar	.25

Species shall be planted in pounds of pure live seed per acre: Present Pure Live Seed (PLS) = Purity X Germination/100 Two lots of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)

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.