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

TEBO O OT TIME	,	
20100		Pit, Closed-Loop System, Below-Grade Tank, or
2189	<u>Proj</u>	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, 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. Not does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances

Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499
Facility or well name: San Juan 27-5 Unit 84N
API Number: 30-039-30423 OCD Permit Number:
U/L or Qtr/Qtr: E(SWNW) Section: 3 Township: 27N Range: 5W County: Rio Arriba
Center of Proposed Design: Latitude: 36.60565' N Longitude: 107.35072' W NAD: 1927 X 1983
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
X Pit: Subsection F or G of 19.15.17 11 NMAC
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other Liner Seams: Welded Factory Other
Liner Unlined Liner type: Thickness mil LLDPE HDPE PVD Other Liner Seams: Welded Factory Other Below-grade tank: Subsection I of 19.15.17.11 NMAC
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19,15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)		
Characteristics are first up to into the true of barbod ware at ton (Bouward day, and another 1990) first of a narrow war at long at least and another true of the control war.		-1.)
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, inst. Four foot height, four strands of barbed wire evenly spaced between one and four feet	nuton or churc	(11)
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)		
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 cons	ideration of an	nroval
(Fencing/BGT Liner)	deration of ap	provai.
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. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	□No
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		
	□Vec	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	L 165	□ _{N0}
(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		
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	□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	∐No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	□No
Within an unstable area.	Yes	□No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological		ш
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 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
12
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
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
Nulsance or Hazardous Odors, including H2S, Prevention Plan
Emergency Response Plan
Oil Field Waste Stream Characterization
Monitoring and Inspection Plan Erosion Control Plan
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15 17.13 NMAC
14 Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: X Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System
Alternative
Proposed Closure Method: Waste Excavation and Removal (Below-Grade Tank)
Waste Removal (Closed-loop systems only) X On-site Closure Method (only for temporary pits and closed-loop systems)
X On-site Closure Method (only for temporary pits and closed-loop systems) X In-place Burial On-site Trench
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist; (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan.
Please indicate, by a check mark in the box, that the documents are attached.
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17 13 NMAC

Form C-144 Oil Conservation Division Page 3 of 5

16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Ste	eel 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		icilities
Disposal Facility Name:	Disposal Facility Permit #	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associated activiti		
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 Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamat	iate requirements of Subsection H of 19.15.17.13 NMAC ection I of 19 15 17 13 NMAC	
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMA Instructions: Each siting criteria requires a demonstration of compliance in the closure plan certain siting criteria may require administrative approval from the appropriate district office for consideration of approval Justifications and/or demonstrations of equivalency are requir	Recommendations of acceptable source material are provided below cor may be considered an exception which must be submitted to the S	
Ground water is less than 50 feet below the bottom of the buried waste	toined from nearby wells	Yes X No
- NM Office of the State Engineer - tWATERS database search; USGS. Data ob	tained from nearby wells	∐N/A
Ground water is between 50 and 100 feet below the bottom of the buried wast	e	Yes X No
- NM Office of the State Engineer - IWATERS database search; USGS; Data obt	ained 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 obta	ained from nearby wells	□N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signif (measured from the ordinary high-water mark)	icant watercourse or lakebed, sinkhole, or playa lake	Yes XNo
- Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in - Visual inspection (certification) of the proposed site; Aerial photo; satellite imag		Yes X No
		Yes X No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less the purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - iWATERS database; Visual inspection (certif	stence at the time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh water pursuant to NMSA 1978, Section 3-27-3, as amended.		Yes XNo
 Written confirmation or verification from the municipality; Written approval ob Within 500 feet of a wetland 	tained from the municipality	Dv., VNa
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual ins	spection (certification) of the proposed site	Yes X No
Within the area overlying a subsurface mine.		Yes X No
- Written confiramtion 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 & N Topographic map 	Ameral Resources; USGS; NM Geological Society;	
Within a 100-year floodplain FEMA map		Yes X No
18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each	ı of the following items must bee attached to the closur	e plan. Please indicate,
by a check mark in the box, that the documents are attached.		
X Siting Criteria Compliance Demonstrations - based upon the appropria	*	
X Proof of Surface Owner Notice - based upon the appropriate requirement		
Construction/Design Plan of Burial Trench (if applicable) based upon	• • •	
Construction/Design Plan of Temporary Pit (for in place burial of a dry	•	9.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements of Confirmation Sampling Plan (if applicable) - based upon the appropria		
X Waste Material Sampling Plan - based upon the appropriate requirement	•	
X Disposal Facility Name and Permit Number (for liquids, drilling fluids		anot be achieved)
X Soil Cover Design - based upon the appropriate requirements of Subse	•	mot or wille rouj
X Re-vegetation Plan - based upon the appropriate requirements of Subse		
X Site Reclamation Plan - based upon the appropriate requirements of Su		

Form C-144 Oil Conservation Division

19 Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Crystal Tafoya Title: Regulatory Technician
Signature Date: 11/6/08
e-mail address: <u>crysta Mafoya @ conocophillies com</u> Telephone: 505-326-9837
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: 12/3/08
Title: LUJCO15 Pec OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 1915 1713 NMAC Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:
22
Closure Method: Waste Excavation and Removal On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number.
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate compliane to the items below)
Required for impacted areas which will not be used for future service and operations:
Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
24 <u>Closure Report Attachment Checklist:</u> Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.
Proof of Closure Notice (surface owner and division)
Proof of Deed Notice (required for on-site closure)
Plot Plan (for on-site closures and temporary pits)
Confirmation Sampling Analytical Results (if applicable)
Waste Material Sampling Analytical Results (if applicable)
Disposal Facility Name and Permit Number
Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude: Longitude: NAD 1927 1983
25
Operator Closure Certification: I hereby, certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print)· Title:
Signature: Date:
e-mail address: Telephone:

Form C-144 Oil Conservation Division Page 5 of 5

New Mexico Office of the State Engineer POD Reports and Downloads

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POD//Su	iface Data F	Report	Avg	Depth to	Water Repo	n 💮	Wate	er Column'	Report	Í
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Record Count: 3

New Mexico Office of the State Engineer POD Reports and Downloads

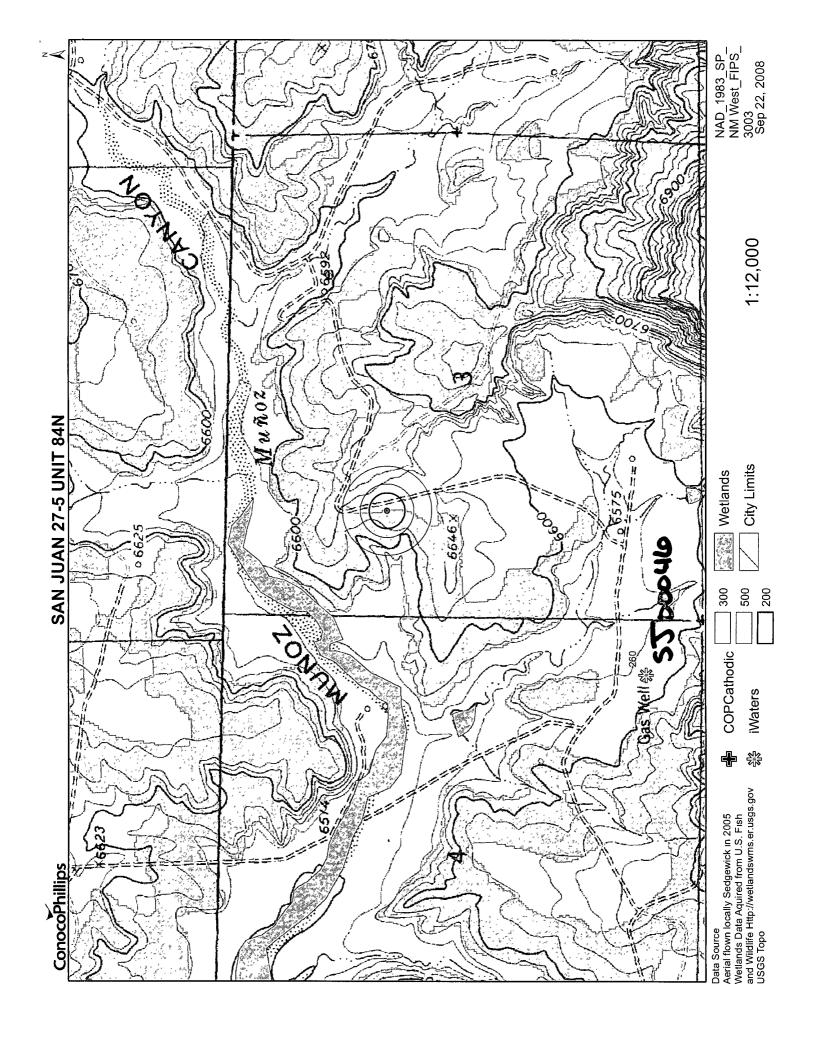
Township: 28N]	Range: 05W Se	ections:		
NAD27 X:	Y:	Zone:	Search Radiu	S:
County: Basin:		Nun	mber:	Suffix:
Owner Name: (First)	(Last)	. (Non-Domestic	C Domestic 6 All
POD/Surface Data Report	Avg De	pth to Water Repo	rt Wate	er Column Report
in the second se	Clear Form	WATERS Menu	<u>Ē</u> Ḥ Ē ĪĎ	

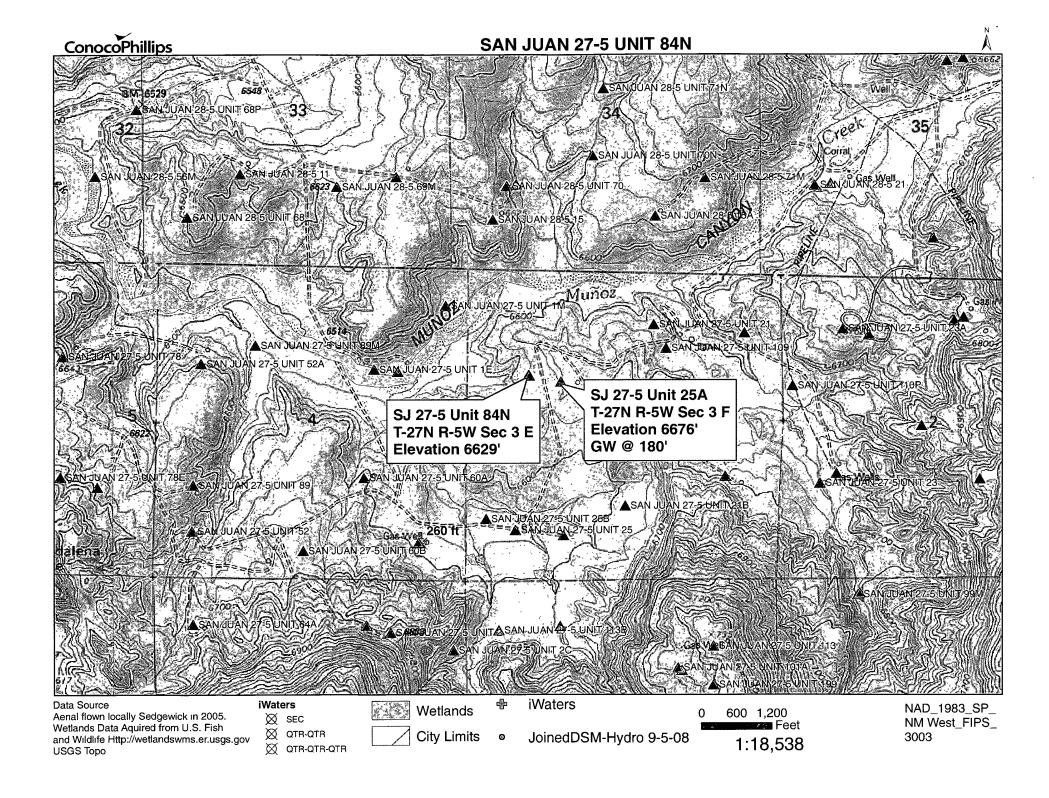
WATER COLUMN REPORT 08/20/2008

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

	(quarter	s are bi	ggest to	smalles	t)		Depth	Depth	Water	(in
POD Number	Tws	Rng Sec	व्वव	Zone	x	Y	Well	Water	Column	
SJ 01893	28N	0 5W 18	4				390	290	100	
SJ 00047	28N	05w 28					465	265	200	
SJ 00036	28N	05W 28	3				303	243	60	

Record Count: 3





-

#84E 30-039-23683

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

Operator MERIDIAN OIL Location: Unit NW Sec. 3 Twp 27 Rng 5 Name of Well/Wells or Pipeline Serviced SAN JUAN 27-5 UNIT #25A, #84E Elevation 6629'Completion Date 7/8/81 Total Depth 500' 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 been placed, show depths & amounts used N/A Depths & thickness of water zones with description of water when possible: Fresh, Clear, Salty, Sulphur, Etc. 180' & 220' Depths gas encountered: N/A Type & amount of coke breeze used: _____6000 lbs. Depths anodes placed: 445', 435', 385', 375', 365', 355', 295', 285', 275', 220' Depths vent pipes placed: 498' Vent pipe perforations: 340' Remarks: gb #1

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.

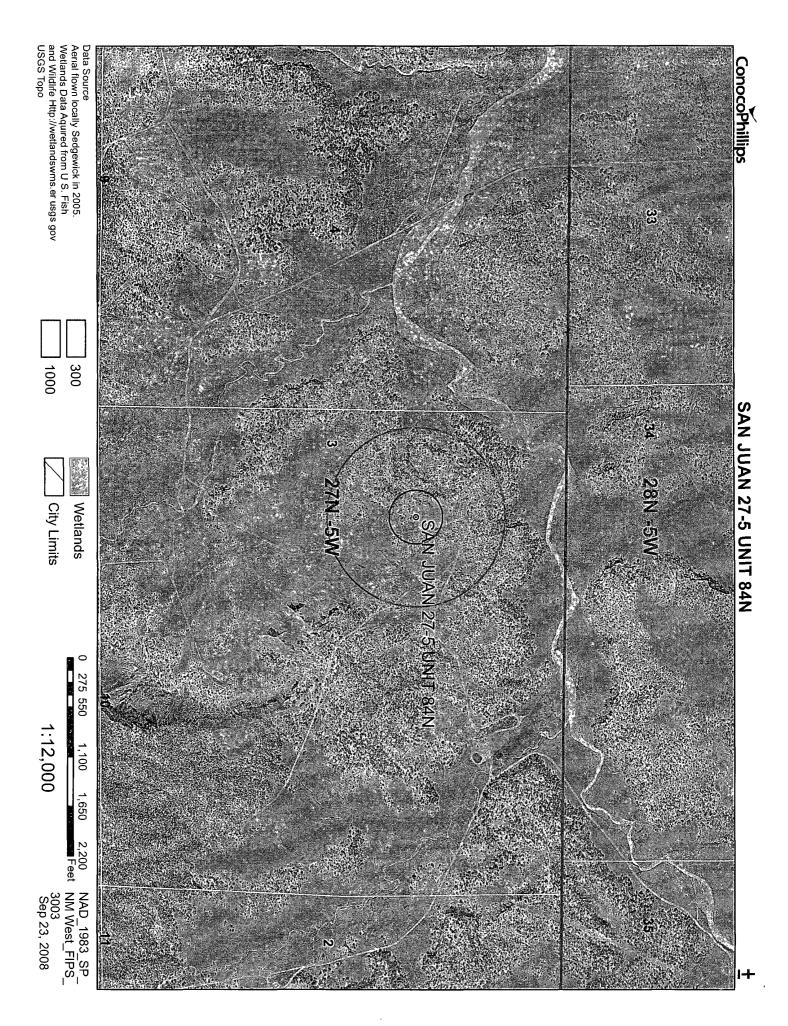
*

DE

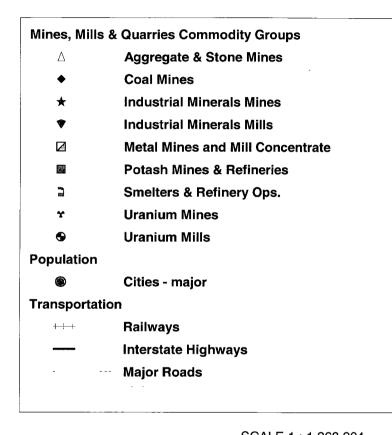
Form approved. Budget Bureau No. 42-R355.5.

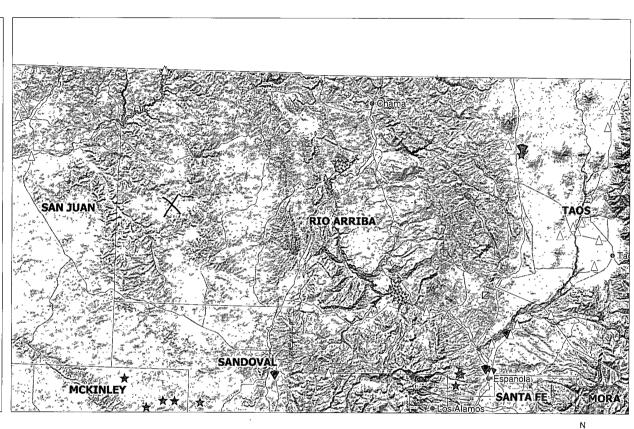
UNITED STATES (See other instructions of structions of st	1
GEOLOGICAL SURVEY	5. LEASE DE SF 079

		GEOLOGI	CAL SU					SF 07939	
WELL CON	APLETIO	V OR REC	OMPLET	ION F	REPORT A	AND LO	G* 6.	IF INDIAN, ALL	OTTEE OR TRIBE NAM
1a. TYPE OF WELL	/: 0 11	II. GAS	ı. X	RY 🗌	Other		7.	UNIT AGREEME	NT NAME
b. TYPE OF COMP					Other		"	San Juan	27-5 Unit
NEW X		EEP- PLU	E DIF	vr.	Other			FARM OR LEAS	
2. NAME OF OPERATO El Paso		Gas Compa	ny			· · · · · · · · · · · · · · · · · · ·		San Juan	27-5 Unit
3. ADDRESS OF OPERA		<u> </u>						25A (1	PM)
P.O. Box	c 289, Fa	rmington,	NM .8740	1	_		10.		OL, OR WILDCAT
4. LOCATION OF WELL	•	-	in accordance	with an	y State require	ements)*		Tap. PC 1	Ext. & Blanco
At surface	1790'N	I, 1740'W		/ · ·	,		11.	OR AREA	, OR BLOCK AND SURVE
At top prod. inte	rval reported	below		ì	•		, ,		T-27-N, $R-5-$
At total depth						-		ų NI	MPM
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				٠.	- I			PARISH Dio April	ba New Mexic
15. DATE SPUDDED	16. DATE T D.	REACHED 17.	DATE COMPL.	(Ready to	prod.) 18.	ELEVATIONS (I			ELEV. CASINGHEAD
10-30-80	1-30-81		3-5-81			66761			
20. TOTAL DEPTH, MD &	TVD 21. P	LUG, BACK T.D., MI	0 & TVD 22	HOW M	TIPLE COMPL.,	23. INT	ERVALS RO	TARY TOOLS	CABLE TOOLS
6176'		6148'		2				-6176'	1
24. PRODUCING INTERV				NAME (X	ID AND TVD)*			1	25. WAS DIRECTIONAL SURVEY MADE
5208-60	, (MV)'	3532-360	4' (PC)					İ	No
26. TYPE ELECTRIC AN	ND OTHER LOC	S RUN				<u> </u>		1 27	WAS WELL CORED
		Temp. Su	rvev						No
28.	رباتات و . ت	 		ORD (Ren	ort all strings	set in well)			
CASING SIZE	WEIGHT, L		SET (MD)		LE SIZE		IENTING RECO	RD	AMOUNT PULLED
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7''	20#	3	880'		8 3/4"	310	cf.	16	\$ 100 F
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	<u> </u>							MAR?	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		LINER RECO				30.	TUBI	1	
29.									PRICE SET (MD)
SIZE	TOP (MD)	BOTTOM (MD			SCREEN (MD	· 	—	H PENOUPO	3131
	тор (мр)	6160) SACKS C		SCREEN (ME	2 3/	8'' 604	2	3708
SIZE	3698	6160	41		SCREEN (ME	2 3/	8'' 604 '' 359	2 6'	3700
\$1 PERFORATION RECC 6,5731,5736,5	3698 ORD (Interval, 5741, 5754	6160 eize and number ,5759,5776	41		32.	2 3/	8" 604 " 359	2 6' CEMENT SQ	370
812E 4 1/2" 21 PERFORATION RECC 6,5731,5736,5 6,5791,5813,5	3698 (Interval, 5741,5754 5818,5823	6160 size and number ,5759,5776 ,5836,5841	41 6,5781, 1,5864,		32. DEPTH INT 5726-606	2 3/ 1 1/4 ACID, SHOT ERVAL (MD)	8" 604 " 359 FRACTURE AMOUNT 66,500#	2 6' CEMENT SQ AND KIND OF Sd, 132	37000 UEEZE, ETC. MATERIAL USED ,500 gal. wt:
812E 4 1/2" 21 PERFORATION RECC 6,5731,5736,5 6,5791,5813,5 5,5966,5972,5	3698 ORD (Interval, 5741,5754) 8818,5823 6986,5995	6160 size and number ,5759,5776 ,5836,5841 ,6031,6032	41 5,5781, 1,5864, 7,6064		32. DEPTH INT	2 3/ 1 1/4 ACID, SHOT ERVAL (MD)	8" 604 " 359 FRACTURE AMOUNT 66,500#	2 6' CEMENT SQ AND KIND OF Sd, 132	37000 UEEZE, ETC. MATERIAL USED ,500 gal. wt:
81 PERFORATION RECC 6,5731,5736,5 6,5791,5813,5 5,5966,5972,5 8,5213,5237,5	3698 5741,5754 5818,5823 5986,5995 5289,5320	6160 size and number ,5759,5776 ,5836,5841 ,6031,603 ,5333,533	41 5,5781, 1,5864, 7,6064' 7,5341,	9	32. DEPTH INT 5726-606	2 3/ 1 1/4 ACID, SHOT ERVAL (MD)	8" 604 " 359 FRACTURE AMOUNT 66,500#	2 6' CEMENT SQ AND KIND OF Sd, 132	37000 UEEZE, ETC. MATERIAL USED ,500 gal. wt:
812E 4 1/2" 21 PERFORATION RECC 6,5731,5736,5 6,5791,5813,5 5,5966,5972,5 8,5213,5237,5 10,5354,5358,5	3698 (Interval, 5741, 5754, 5818, 5823, 5986, 5995, 5320, 5575, 5601	6160 size and number ,5759,5776 ,5836,5841 ,6031,603 ,5333,533 ,5606,5611	41 5,5781, 1,5864, 7,6064' 7,5341, 1'W/1 SP	9 Z.	32. DEPTH INT 5726-606 208-561	2 3/ 1 1/4 ACID, SHOT ERVAL (MD)	8" 604 " 359 FRACTURE AMOUNT 66,500#	2 6' CEMENT SQ AND KIND OF Sd, 132	37000 UEEZE, ETC. MATERIAL USED ,500 gal. wt:
81 PERFORATION RECC 6,5731,5736,5 6,5791,5813,5 5,5966,5972,5 98,5213,5237,5 10,5354,5358,5	3698 SED (Interval, 5741, 5754) 5818, 5823 5986, 5995 5289, 5320 5575, 5601	6160 size and number 5,5759,5776 5,5836,5841 6031,603 2,5333,533 5606,5611 3588-3604	41 5,5781, 1,5864, 7,6064' 7,5341, 1'W/1 SP	9 Z.	32. DEPTH INT 5726-600 208-561	2 3/ 1 1/4 ACID. SHOT ERVAL (MD) 54'	8" 604 " 359 FRACTURE 66,500# 38,000#	CEMENT SQ AND KIND OF Sd, 132 Sd, 76,	JATON WEEZE, ETC. MATERIAL USED ,500 gal. wtr
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SIZE 4 1/2" 31 PERFORATION RECC 6,5731,5736,5 6,5791,5813,5 5,5966,5972,5 8,5213,5237,5 0,5354,5358,5 2-248,3548-64 6-1512: PRODUCTION DATE OF TEST 2-26-81 FLOW. TUBLING PRESS. 51 1055	3698 ORD (Interval, 5741, 5754, 5741, 5754, 5818, 5823, 5820, 5895, 589	6160 size and number 5,5759,5776 5,5836,5841 6,6031,6032 6,5333,5333 5,5606,5611 3588-3604 DICTION METHOD CHOKE SI 3/4 V SLRE CALCULAT 24-HOUR	41 5,5781, 1,5864, 7,6064' 7,5341, 1'W/1 SP 0 (Flowing, g	Z. PROI PROI N. FOR PERIOD PERIOD	DUCTION OIL—BBL. GAS—3 PC 6	2 3/ 1 1/4 ACID, SHOT EEVAL (MD) 64' 1' GAS—NI GAS—NI	8" 604 " 359 , FRACTURE 66,500# 38,000#	2 6' CEMENT SQ AND KIND OF Sd, 132 Sd, 76, WELL STAT shut-in)	3700 UEEZE, ETC. MATERIAL USED ,500 gal. wtr. OOO gal. wtr. CUS (Producing or Shut-In GAS-OIL RATIO
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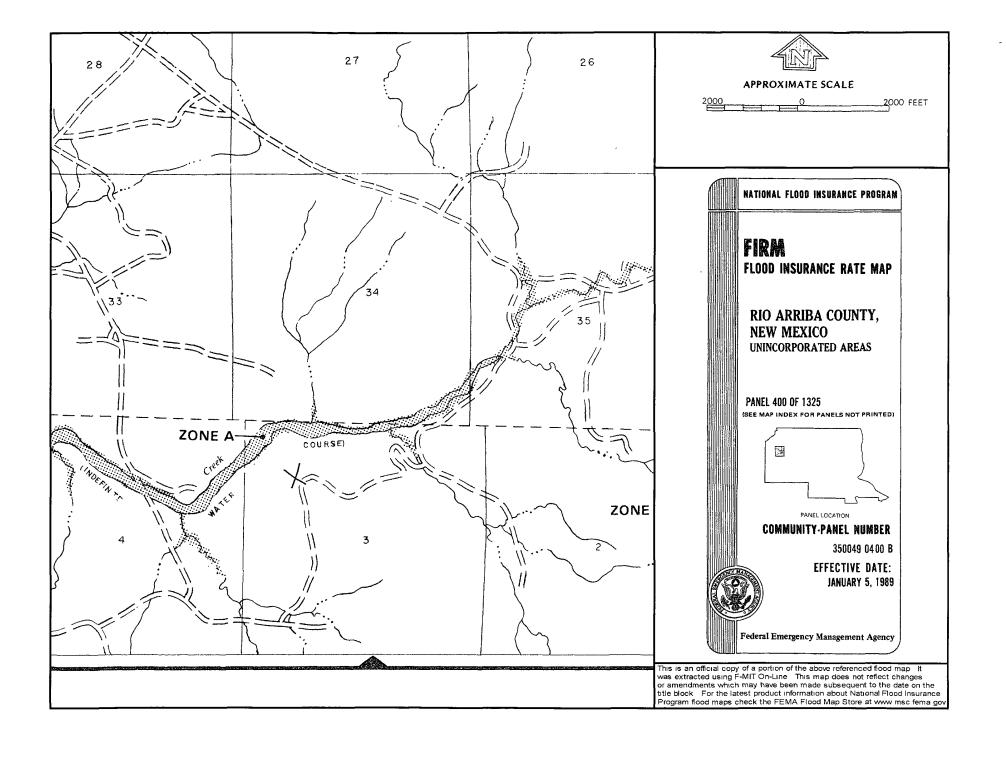
San Juan 27-5 Unit 84N Mines, Mills and Quarries Web Map











Hydrogeological report for San Juan 27-5 Unit 84N

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 San Juan 27-5 Unit 84N 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 Cathodic well data from the San Juan 27-5 Unit 25A has an elevation of 6676' and groundwater depth of 180'. The subject well has an elevation of 6629' which is 47' less than the San Juan 27-5 Unit 25A, therefore the groundwater depth is greater than 100'. The iWATERS data point is located in section 4 and has a depth of 260'as indicated on the TOPO Map. The hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

Tafoya, Crystal

From:

Tafoya, Crystal

- Sent:

Thursday, July 10, 2008 8:16 AM

To:

'mark_kelly@nm.blm.gov'

Subject:

OCD Pit Closure Notification

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

Allison Unit 2B

Allison Unit 40N

Angel Peak B 27E

Ballard 11F

Cain 725S

Canyon Largo Unit 250N

Canyon Largo Unit 279E

Canyon Largo Unit 288E

Canyon largo Unit 297E

Canyon Largo Unit 465E

Carson SRC 4E

Day B 4P

Day B 5A

East 17S

EPNG A 1B

EPNG B 1M

Federal A 1E

Filan 5M

Filan 5N

Fogelson 4 100

Fogelson 4 100S

Grambling C 202S

Hagood 19

Hamner 9S

Hardie 4P

Hare 295

Heaton Com 100

Helms Federal 1G

Howell 12

Huerfanito Unit 103F

Huerfanito Unit 29S

Huerfanito Unit 39S

Huerfanito Unit 47S

Huerfanito Unit 50E

Huerfanito Unit 75E

Huerfanito Unit 83E

Huerfanito Unit 87E

Huerfanito Unit 90E

Huerfanito Unit 90M

Huerfanito Unit 98S

Huerfano Unit 108F

Huerfano Unit 282E

Huerfano unit 305

Huerfano unit 307

Huerfano Unit 554

Johnston Federal 24S

King 3

Lackey A Com 100S

Lambe 1C

Lambe 7S

Lively 8M

Lloyd A 100

Lloyd A 100S

Martin 100

McCord B 1F

McDurmitt Com 100S

McManus 13R

Mitchell 1S

Morris A 14

Newberry B 1N

Newsom B 503

Newsom B 8N

Pierce A 210S

Roelofs 1N

San Juan 27-4 Unit 132G

San Juan 27-4 Unit 132M

San Juan 27-4 Unit 139N

San Juan 27-4 Unit 140B

San Juan 27-4 Unit 141M

San Juan 27-4 Unit 147Y

San Juan 27-4 Unit 153B

San Juan 27-4 Unit 22M

San Juan 27-4 Unit 38P

San Juan 27-4 Unit 41N

San Juan 27-4 Unit 42N

San Juan 27-4 Unit 569N

San Juan 27-4 Unit 59N

San Juan 27-4 Unit 60M

San Juan 27-5 Unit 113F

San Juan 27-5 Unit 59N

San Juan 27-5 Unit 84N

San Juan 27-5 unit 901

San Juan 27-5 Unit 902

San Juan 27-5 Unit 903

San Juan 27-5 Unit 904

San Juan 27-5 Unit 905

San Juan 27-5 Unit 906

San Juan 27-5 Unit 907

San Juan 27-5 Unit 908

San Juan 27-5 Unit 909 San Juan 27-5 Unit 910

San Juan 27-5 Unit 912

San Juan 27-5 Unit 912

San Juan 27-5 Unit 913 San Juan 27-5 Unit 914

San Juan 27-5 Unit 915

San Juan 27-5 Unit POW 916

San Juan 28-4 Unit 27M

San Juan 28-5 Unit 54F

San Juan 28-5 Unit 62E

San Juan 28-5 Unit 63M

San Juan 28-5 Unit 76N

San Juan 28-5 Unit 77N

San Juan 28-6 Unit 113N

District I PO:80x 1980, Hobbs, NM 88241-1980

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

District III 1000 Rio Brazos Ad., Aztec, NM 87410

Oistrict IV PO 80x 2088, Santa Fe, NM 87504-2088 'State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 8750422068 EIVED

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

___ AMENDED REPORT

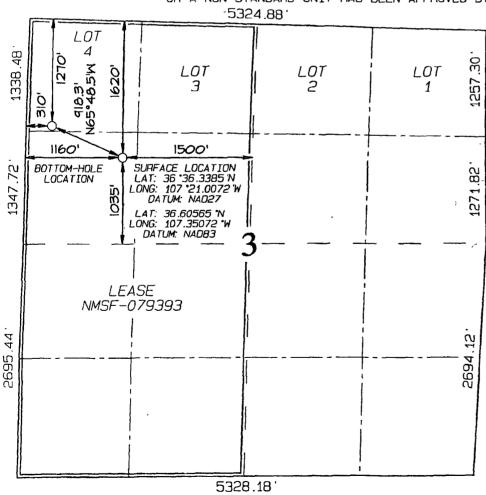
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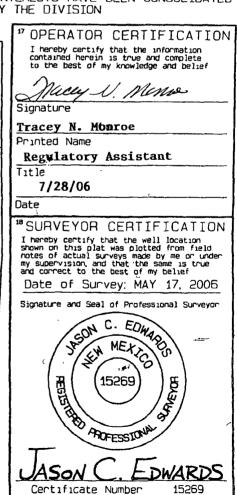
WELL LOCATION AND ACREAGE DEDICATION POPULATION

'API Numbe	er	²Pool Code	Farmington Field Office	
03-039-30	03-039-304 23 71599/72319 BASIN DAKOTA/BLANCO MV			
*Property Code		3	Property Name	*Well Number
7454		SAN J	UAN 27-5 UNIT	84N
'OGRID No		•(°Elevation	
14538	В	URLINGTON RESOUR	CES OIL & GAS COMPANY, LP	6659,

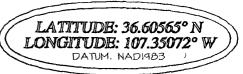
¹⁰ Surface Location UL or lat no Section Lat Idn Feet from the North/South line Feet from the East/West line RTÓ E 3 27N 5W 1620 NORTH 1160 WEST ARRIBA ¹¹Bottom Hole Location If Different From Surface UL or lot no Lot Ion North/South line Feet from the Sect ion Township Range Feet from the East/West line RIO 5W D 3 27N 1270 NORTH 310 WEST ARRIBA Joint or Infill Dedicated Acres Consolidation Code Octor No MV/DK 319.36 W2

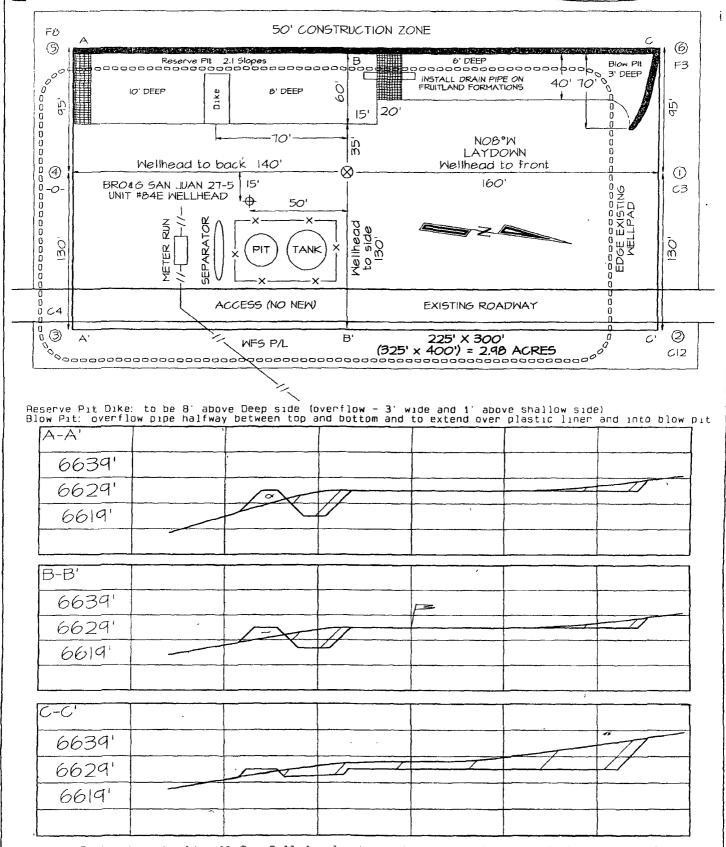
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





BURLINGTON RESOURCES OIL & GAS COMPANY, LP SAN JUAN 27-5 UNIT #84N, 1620' FNL & 1160' FWL SECTION 3, T27N, R5W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6629' DATE: MAY 17, 2006





Note Contractor should call One—Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

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	500
Chlorides	EPA 300.1	(1000/5)00

- 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
Percent PLS
20 percent
Source No. two (better quality)
Purity
80 percent
Germination
63 percent
Percent PLS
50 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.