District I 1625 N. French Dr., Hobbs, NM 88240

District IV

1301 W. Grand Ave , Artesia, NM 88210 1000 Rio Brazos Rd , Aztec, NM 87410

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

Form C-144

tanks, submit to the appropriate NMOCD District Office

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

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
Please submit one o	unnlication (Form C-144) ner individual nit-closed-loop system, helow-orade tank or alternative re

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 Noi does approval relieve the operator of its responsibility to comply with any other applicable	e 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: Huerfano Unit 305	
API Number: 30-045-34639 OCD Permit Number	per:
U/L or Qtr/Qtr: F(SENW) Section: 33 Township: 26N Range:	9W County: San Juan
Center of Proposed Design: Latitude: 36.445155' N Longitude:	107.798447' W NAD: ☐ 1927 X 1983
Surface Owner: X Federal State Private Tribal Trust or India	an Allotment
X String-Remforced	HDPE
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 notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE Liner Seams: Welded Factory Other	o activities which require prior approval of a permit or HDPE PVD Other
Below-grade tank: Subsection I of 19 15.17 11 NMAC Volume:	tomatic overflow shut-off
5 Alternative Method: Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Enviro	nmental Bureau office for consideration of approval.

6 Employee Cohoostoo D of 10.15.17.11 NMAC (Applies to present out towns over out, and helps and a toulor						
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.						
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 c-	provel				
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	ideration of ap	provai				
Exception(s). Requests mass of 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.						
County of the following CO foot below the better of the terror of the county of the terror of the te						
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	Пио				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	□ _{Ves}	□No				
lake (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	Yes	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)	□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	Yes	No				
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.						
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. 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.	Yes	□No				
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	۔۔۔ ا	٠.٠٠				
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 floodulain		□N _E				
Within a 100-year floodplain - FEMA map	Yes	No				

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 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
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
Oıl Field Waste Stream Characterization
Monitoring and Inspection Plan
Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 10.15.17.0 NMAC and 10.15.17.13 NMAC
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15 17.9 NMAC and 19.15.17 13 NMAC
14 Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: X Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative
Proposed Closure Method: Waste Excavation and Removal
Waste Removal (Closed-loop systems only)
X On-site Closure Method (only for temporary pits and closed-loop systems)
X In-place Burial On-site Trench
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
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

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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 faculty or faculties for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two faculties									
are required Disposal Facility Name:	Disposal Facility Permit #								
Disposal Facility Name: Disposal Facility Permit #- Disposal Facility Name: Disposal Facility Permit #.									
Will any of the proposed closed-loop system operations and associated at Yes (If yes, please provide the information No			tions?						
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 Instructions. Each stung criteria requires a demonstration of compliance in the closure certain siting criteria may require administrative approval from the appropriate distriction for consideration of approval. Justifications and/or demonstrations of equivalency are	plan Recommendations of acceptable source material are provided belo t office or may be considered an exception which must be submitted to the								
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS Database search; USGS Database search; USGS Database search; USGS Database search	ata obtained from nearby wells	Yes N/A	X No						
Ground water is between 50 and 100 feet below the bottom of the buried	wacte	☐Yes	X No						
- NM Office of the State Engineer - IWATERS database search; USGS; Da		□ res □n/a	<u> </u>						
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; Da		∏N/A							
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other (measured from the ordinary high-water mark).	,		XNo						
- Topographic map, Visual inspection (certification) of the proposed site									
Within 300 feet from a permanent residence, school, hospital, institution, or chu - Visual inspection (certification) of the proposed site; Aerial photo; satellite	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 vipursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality, Written appro	·	Yes	X No						
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map; Visi		Yes	XNo						
Within the area overlying a subsurface mine. Written confirantion or verification or map from the NM EMNRD-Minin		Yes	X No						
Within an unstable area - Engineering measures incorporated into the design; NM Bureau of Geolog		Yes	XNo						
Topographic map Within a 100-year floodplain FEMA map		Yes [X No						
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: by a check mark in the box, that the documents are attached.	Each of the following items must bee attached to the closure	e plan. Please i	ndicate,						
X Siting Criteria Compliance Demonstrations - based upon the appr	opriate requirements of 19.15.17.10 NMAC								
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 u	upon the appropriate requirements of 19.15.17.11 NMAC								
Construction/Design Plan of Temporary Pit (for in place burial of		9.15 17.11 NMA	AC .						
Yerotocols and Procedures - based upon the appropriate requireme									
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC									
Waste Material Sampling Plan - 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 or in case on-site closure standards cannot be achieved)									
Soil Cover Design - 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									
X Site Reclamation Plan - based upon the appropriate requirements of Subsection Co f 19.15.17.13 NMAC									

Form C-144 Oil Conservation Division

Page 4 of 5

Name (Print):	Crystal Tafoya	Title	Regulatory Technician
Signature.	Constal Taloua	Date	10/6/08
e-mail address:	crystal.tafoya@conocophillips@pm	Telephone:	505-326-9837
0 OCD Approval:	Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
OCD Representative		_	
-			Approval Date: 10-29-08
litle: <u>£</u> ,	nuino Ispec.	OCD Peri	nit Number:
1			
	nired within 60 days of closure completion): Su		
-			ure activities and submitting the closure report. The closure es. Please do not complete this section of the form until an
pproved closure plan h	as been obtained and the closure activities have been	completed.	
		Closur	e Completion Date:
22			
Closure Method:			<u></u>
Waste Excavation		Alternative Closure	e Method Waste Removal (Closed-loop systems only)
If different from	approved plan, please explain.		
3			
	ling Waste Removal Closure For Closed-loop System		
istructions: Piease iae ere utilized.	nujy tne jacinty or jacinties for where the tiquias, ar	uung juuas ana arui cuu	ings were disposed. Use attachment if more than two facilities
Disposal Facility Nat	ne:	Disposal Facilit	y Permit Number:
Disposal Facility Nar	ne:		y Permit Number:
	system operations and associated activities performed	d on or in areas that will n	ot be used for future service and opeartions?
Yes (If yes, pleas	se demonstrate complilane to the items below)	∐No	
	d areas which will not be used for future service and	operations:	
=	n (Photo Documentation) and Cover Installation		
= -	pplication Rates and Seeding Technique		
	pp.		
24 Closure Report A	ttachment Checklist: Instructions: Each of the fo	llowing items must be att	ached to the closure report. Please indicate, by a check mark in
the box, that the doc		Ü	•
<u></u>	re Notice (surface owner and division)		
>	Notice (required for on-site closure)		
몱	n-site closures and temporary pits)		
1	ampling Analytical Results (if applicable)		
14	Sampling Analytical Results (if applicable)		
<u>≒</u> ≓ `	ty Name and Permit Number		
== '	g and Cover Installation Application Rates and Seeding Technique		
	on (Photo Documentation)		
On-site Closure		Longitude.	NAD
.5			
25 <mark>Operator Closure Ce</mark>	rtification:		
hereby certify that the		•	e and complete to the best of my knowledge and belief. I also certify the closure plan
le closure compues wit Name (Print),	ин пропомого сообите геупичения ини соништот	Title:	eronice print
		_	
ignature:		Date:	
-mail address.		Telephone.	

New Mexico Office of the State Engineer POD Reports and Downloads

Township: 26N Range: 09W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic C All
POD // Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form

WATER COLUMN REPORT 08/20/2008

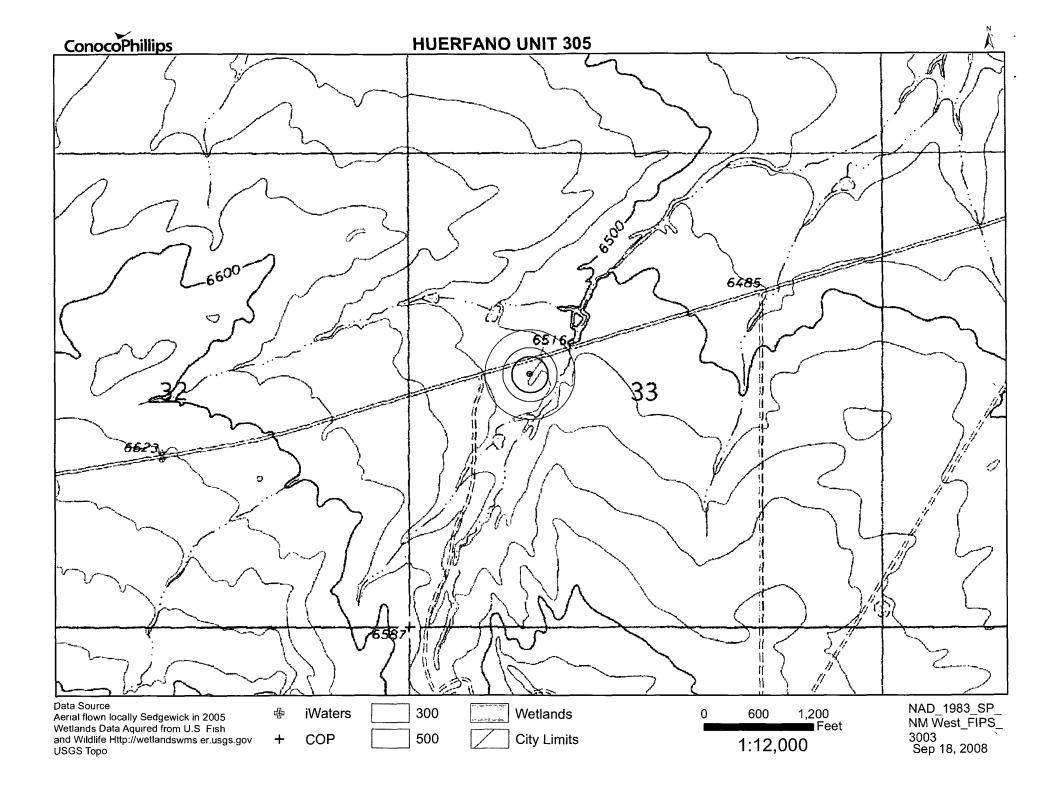
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)

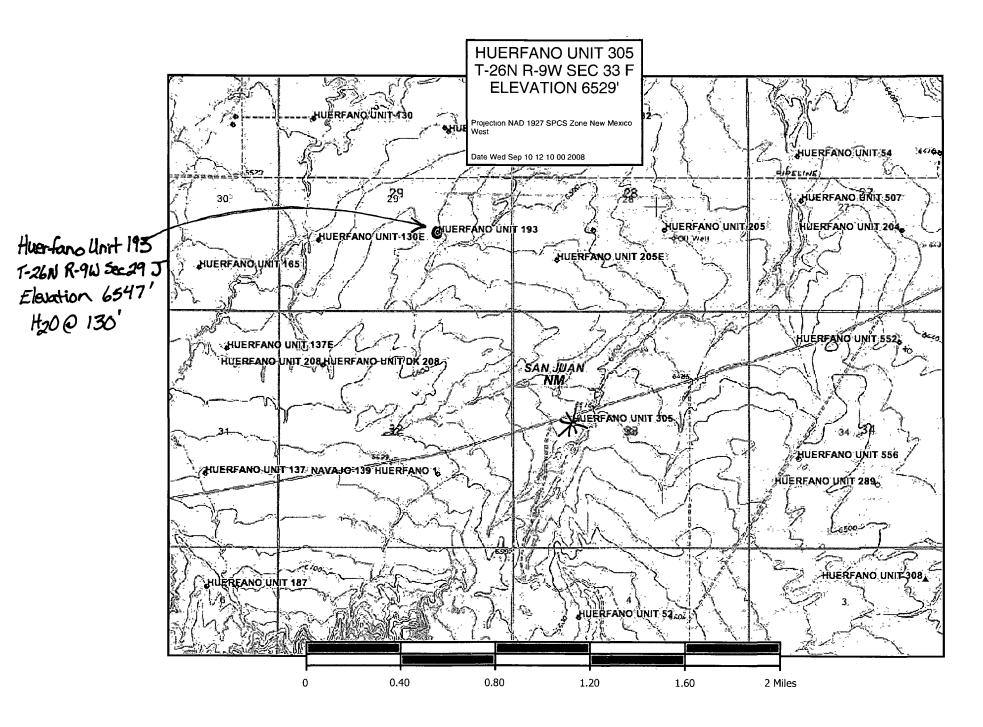
	(quarter	s are	e biq	gge	est	to:	smallest)		Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	Œ	Œ	đ	Zone	x	Y	Well	Water	Column	
SJ 02961	26N	09W	01	2	2	3				1500			
SJ 02962	26N	09W	01	3	2	3				1500			
SJ 01756	26N	09W	11	2	2	3				75	40	35	
SJ 03811 POD1	26N	09W	12	3	3	3				348	175	173	
SJ 00412	26N	09W	16	4	2					202	65	137	
SJ 00214	26N	09W	26	2	4	2				946	230	716	
SJ 00064	26N	09W	26	4	2	1				490	215	275	
SJ 00063	26N	09W	26	4	2	3				479	234	245	

Record Count: 8

New Mexico Office of the State Engineer POD Reports and Downloads

Record Count: 1





https://l48twp.conocophillips.net/servlet/com.esri.esrimap.Esrimap?ServiceName=SanJuan&ClientVersion=4.0&Form=True&E... 9/10/2008

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

(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SE Sec. 29 Twp 26 Rng 9
Name of Well/Wells or Pipeline Serviced <u>HUERFANO UNIT #193</u>
cps 932w
Elevation 6547 Completion Date 7/23/75 Total Depth 340' 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. 130'
Depths gas encountered: N/A OIL CON OIL CON
Type & amount of coke breeze used: 3200 lbs. DIST.
Depths anodes placed: 290', 280', 260', 250', 240', 230', 220', 210', 170', 160'
Depths vent pipes placed: N/A
Vent pipe perforations: 250'
Remarks: gb #1

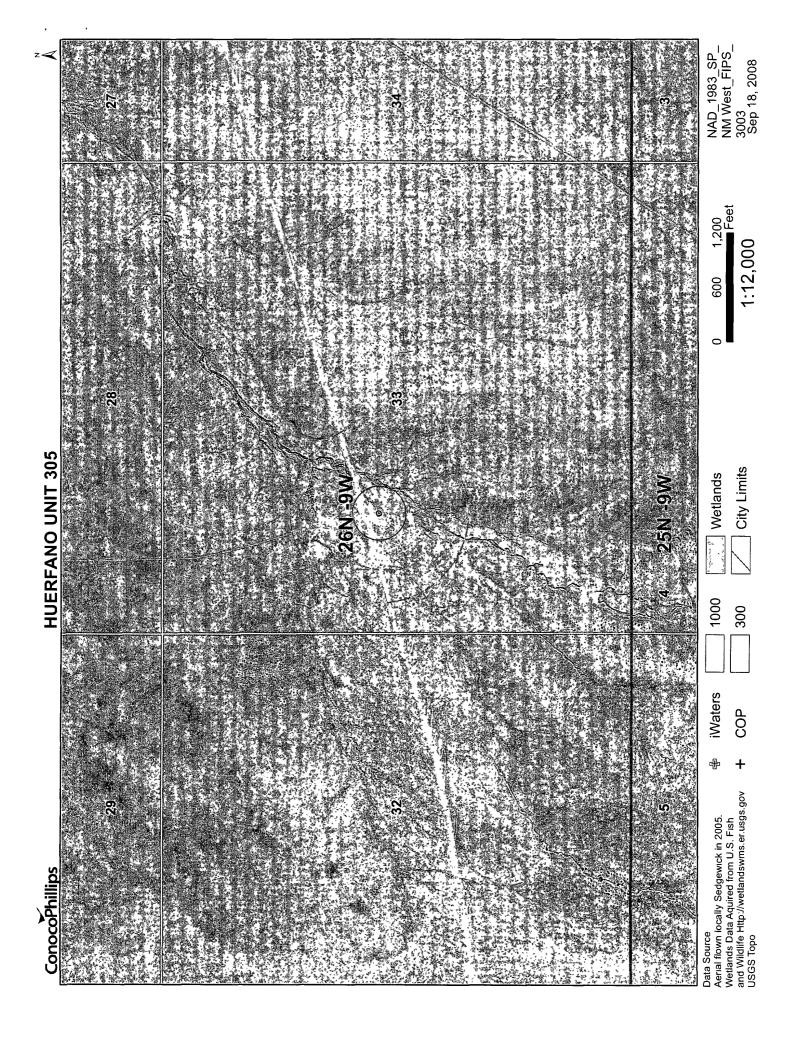
If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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

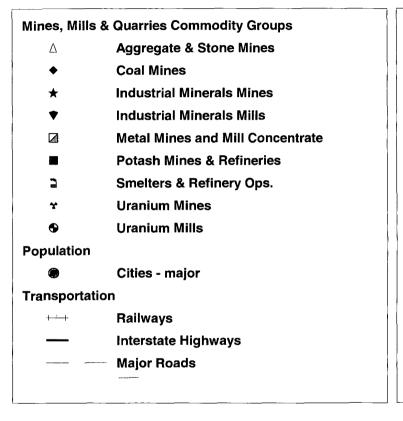
Form	9-330
(Kev.	5-63

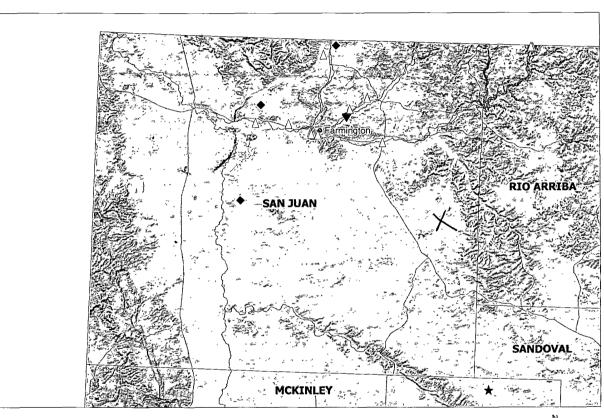
SUBMIT IN DUPLICATE* Form approved. Budget Bureau No. 42-R355.5. UNITED STATES (See other in-DEPARTMENT OF THE INTERIOR structions on reverse side) 5. LEASE DESIGNATION AND SERIAL NO. GEOLOGICAL SURVEY SF 078000-A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 1a. TYPE OF WELL: WELL X 7 UNIT AGREEMENT NAME Other b. TYPE OF COMPLETION: Buerfano Unit DIFF. DESVR. NEW WELL DEEP-EN S. FARM OR LEASE NAME Other 2. NAME OF OPERATOR Huerfano Unit El Paso Natural Gas Company 9. WELL NO. 3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico - 87401 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Basin Dakota 1790'S, 1650'E 11. SEC., T., R., M., OR BLOCK AND SURVEY At top prod. interval reported below Sec. 29, T-26-N, R-9-W At total depth N.N.B.M. 12. COUNTY OR PARISH 14. PERMIT NO. DATE ISSUED 13 STATE San Juan Hew Mexico 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) 15. DATE SPUDDED 19. ELEV. CASINGHEAD 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 2-3-69 2-14-69 2-28-69 6547' GL 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS 20. TOTAL DEPTH, MD & 21. PLUG, BACK T.D., MD & TVD 67851 67901 0-6790' WAS DIRECTIONAL SURVEY MADE 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 6506 - 6736' (Dakota) 26. TYPE ELECTRIC AND OTHER LOGS RUN I-ES, FDC-GR, BEC, Temp. Survey CASING RECORD (Report all strings set in well) CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE 8 5/8" 12 1/4" 24# 190 Sks. 4 1/2 645 Sks. LINER RECORD 30. TUBING RECOR BIZE TOP (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DEPTH SET (MD 2 3/8 6711' 31. PERFORATION RECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 6506-14' w/24 Shots 6598-95', 6602-06', 6610'16' v/16 SPZ ,636 gal. water, 25,000# 6689-93, 6730-36' w/16 8P2 37,884 gal. water, 35,000# 6592<u>-6616</u>1 24,780 gal. water, 20,000 250 Cal. Acid 33.* PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) WELL STATUS (Producing or

	<u> </u>	Flowing				1	Shut In
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR	OIL-BBL.	GAS-MCF.	WATER-BEL	. GAS-OIL BATIO
2-28-69	3 Hrs.	3/4"	TEST PERIOD	57.80		30.58	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL-BBL.	GAS-MCF.	WATER-	-BBL.	OIL GRAVITY-API (CORR.)
SI 1229	SI 1944	24-HOUR RATE		4069 M	CF/D - A.O.	.P.	48.5
34. DISPOSITION OF G	AS (Sold, used for fu	el, vented, etc.)	<u>'</u>			TEST WITNES	SED BY
						C. R. We	gner
35. LIST OF ATTACH	MENTS			·-			
36. I hereby certify	that the foregoing a	ind attached info	rmation is com	olete and correct as	determined from	all available r	ecords
SIGNED	15:11 N'C		TITLE	Petroleum E	agineer	DATE	3-4-69



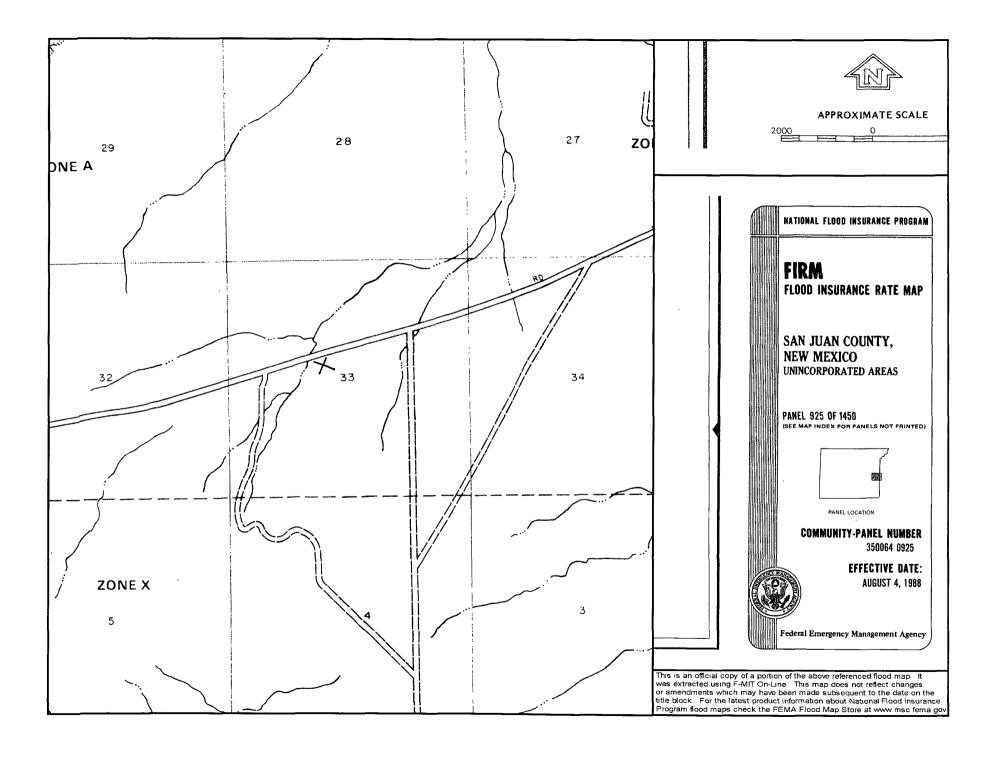
Huerfano Unit 305 Mines, Mills and Quarries Web Map











Hydrogeological Report for Huerfano Unit 305

Regional Geological context:

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

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

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

Hydraulic Properties:

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

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

References:

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

552, 101 p.

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

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p.

Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

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

Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The Huerfano Unit 305 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 Huerfano Unit 193 has an elevation of 6547' and groundwater depth of 130'. The subject well has an elevation of 6529' which is 18' less than the Huerfano Unit 193, 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 hydro geologic analysis indicates the groundwater depth and the Nacimiento formation will create a stable area for this new location.

Tafoya, Crystal

From:

Tafoya, Crystal

Sent:

Thursday, October 16, 2008 10:55 AM

To: Subject: 'mark_kelly@nm.blm.gov' Surface Owner Notification

The following locations temporary pit will be closed on-site. Please let me know if you have any questions.

Grambling C 202S

McDurmitt Com_100S

Huerfano Unit 305

Canyon Largo Unit 250N
Federal A 1E

Helms Federal 1G

Thank you,

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

Email: Crystal.Tafoya@conocophillips.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 R10 Brazos Rd., Aztec, NM 87410
District IV

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 7 Copies Fee Lease - 3 Copies

☐ AMMENDED REPORT

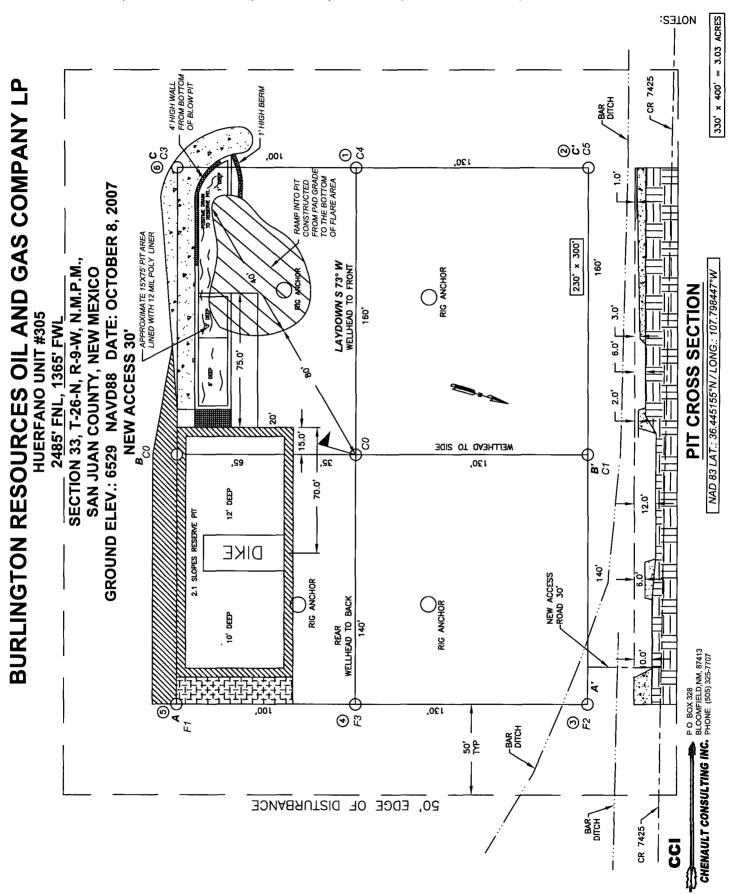
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number			² Pool Code			³ Pool Name BASIN DAKOTA			
⁴ Property Code					-	operty Name RFANO UNIT			⁶ Well Number 305
OGRID No.			BURL	8 Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP					⁹ Elevation 6529
	· · · · · · · · · · · · · · · · · · ·				10 SURFACE	LOCATION			
JL or lot no.	Section 33	Township 26-N	Range 9-W	Lot Idn	Feet from the 2485	North/South line NORTH	Feet from the 1365	East/West line WEST	County SAN JUAN
			11 E	ottom H	ole Location	If Different Fro	m Surface		
JL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	13 Joint	or Infill	Consolidation	Code 15	Order No.	- I			<u> </u>

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

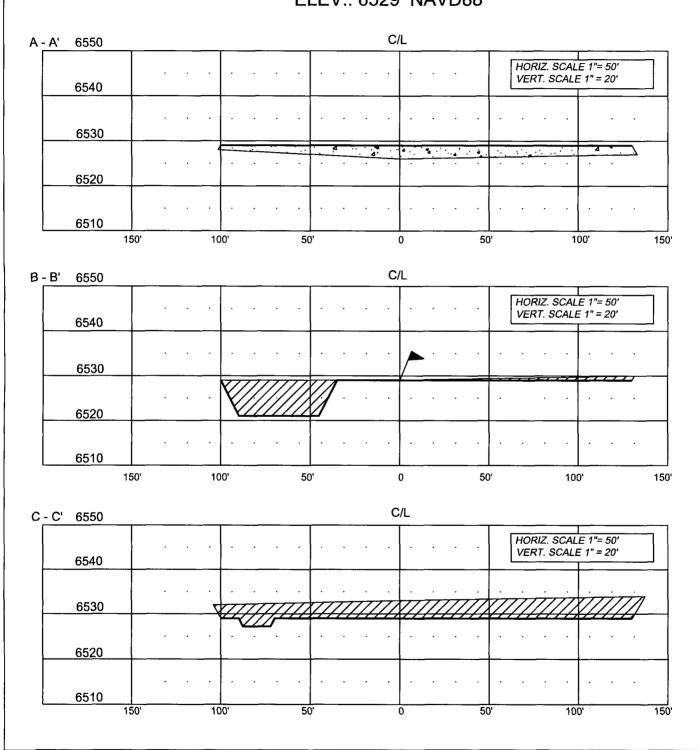
CONSCEDATED OR A	ION-STANDARD UNIT HAS BEEN APPROVED BY	THE DIVISION
¹⁶ N 89'58'50" W N 89'56' W	5213.6' (M) 5216.0' (R)	17 OPERATOR CERTIFICATION
2637.4' (R)		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretafore entered by the division
		Signature
2485°		Printed Name
σον. ε. σου, ε.	·	Title and E-mail Address
z z 1365'		Date
		18 SURVEYOR CERTIFICATION
WELL FLAG NAD 83 LAT: 36.445155° N LONG: 107.798447° W		I hereby certify that the well location shown on this plat was plotted from feild notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief
NAD 27 LAT:36°26.708748' N LONG: 107°47.869939' W		Date of Survey: 10/08/07 Signature and Seal of Professional Surveyor:
		S BROADHURS
W/2 DEDICATED ACREAGE SF-078060-A SECTION 33		(1)
T-26-N, R-9-W		AND PRESSIONAL
		Certificate Number: NN 11393

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



BURLINGTON RESOURCES OIL AND GAS COMPANY LP

HUERFANO UNIT #305 2485' FNL, 1365' FWL SECTION 33, T-26-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO ELEV.: 6529 NAVD88



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS					
NO	DESCRIPTION	REVISED BY	DATE		
1	ISSUED FOR REVIEW	TJR	10/8/07		

CCI

P O. BOX 328 BLOOMFIELD,NM, 87413 PHONE: (505) 325-7707

CHENAULT CONSULTING INC.

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
 - ii. 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/\$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

40 percent

Percent PLS

20 percent

Percent PLS

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.