District I
1635 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, 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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to

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

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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
	Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,
below-grade tank	x, or proposed alternative method

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

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances

1.
Operator: Huntington Energy, L.L.C. OGRID #: 208706
Address: 908 N.W. 71st St., Oklahoma City, OK 73116
Facility or well name: Canyon Largo Unit #494
API Number: <u>30-039-30053</u> OCD Permit Number:
U/L or Qtr/Qtr _Lot E, SWNWSection _30Township25NRange _6WCounty:Rio Arriba
Center of Proposed Design: Latitude36.37243° N Longitude107.51404° W NAD: □1927 ☒ 1983
Surface Owner: A Federal State Private Tribal Trust or Indian Allotment
2.
Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness <u>20</u> mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
⊠ String-Reinforced
Liner Seams: Welded Factory Other Volume: 7000 bbl Dimensions: L 140' x W 65' x D 10'
3. 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 ☐ PVC ☐ Other
Liner Seams: Welded Factory Other
/S RECEIVED 3
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume:bbl Type of fluid:
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
Liner type: Thickness mil
5.

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 pits, 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					
Alternate. Please specify					
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)					
informing inspections (if neutring of screening is not physicany reasone)					
Signs: Subsection C of 19.15.17.11 NMAC					
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers					
☑ 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 or the Santa Fe Environmental Bureau of	office for				
consideration of approval.	office for				
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	,				
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	priate district pproval.				
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 significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No				
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA				
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits)	☐ Yes ☐ No ☐ NA				
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ 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 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 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality					
	☐ Yes ☐ No				
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site					
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division					
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No				
Within a 100-year floodplain FEMA map					

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 NMAC 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 Number: or Permit Number:
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 Number:
Previously Approved Operating and Maintenance Plan API Number:
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 (1) 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 Monitoring and Inspection Plan Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: 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) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial 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 G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S Instructions: Please indentify the facility or facilities for the disposal of liquids, dr facilities are required.	teel Tanks or Haul-off Bins Only: (19.15.17.13.E illing fluids and drill cuttings. Use attachment if n	NMAC) nore than two				
•	risposal Facility Permit Number:					
	Disposal Facility Permit Number:					
	Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?					
Required for impacted areas which will not be used for future service and operations. Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I Site Reclamation Plan - based upon the appropriate requirements of Subsection	equirements of Subsection H of 19.15.17.13 NMAC of 19.15.17.13 NMAC	C				
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the comprovided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental ademonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	administrative approval from the appropriate disti Bureau office for consideration of approval. Justi	ict office or may be				
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data	obtained from nearby wells	Yes No				
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data	obtained from nearby wells	☐ Yes ☐ No ☐ NA				
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells						
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signalake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ficant watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ No				
Within 300 feet from a permanent residence, school, hospital, institution, or church i - Visual inspection (certification) of the proposed site; Aerial photo; Satellite is		☐ Yes ☐ 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 feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site						
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality						
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site						
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division						
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map 	& Mineral Resources; USGS; NM Geological	Yes No				
Within a 100-year floodplain FEMA map						
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Signature Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Signature Protocols and Procedures - based upon the appropriate requirements of 19.15. Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Signature Plan (if applicable) - based upon the appropriate requirements of Signature Plan (if applicable) - based upon the appropriate requirements of Signature Plan - based upon the appropriate requirements of Signature Plan - based upon the appropriate requirements of Subsection In Re-vegetation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based upon the appropriate requirements of Subsection In Site Reclamation Plan - based	rements of 19.15.17.10 NMAC subsection F of 19.15.17.13 NMAC ropriate requirements of 19.15.17.11 NMAC subsection F of 19.15.17.11 NMAC subsection F of 19.15.17.13 NMAC rements of Subsection F of 19.15.17.13 NMAC of 19.15.17.13 NMAC	15.17.11 NMAC				

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): Title:
Signature: Date:
e-mail address: Telephone:
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment) OCD Representative Signature:
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 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: 1/16/09
☐ Closure Completion Date:1/10/09
22. Closure Method: Waste Excavation and Removal Son-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify 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:
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 compliance to the items below) No
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
Closure Report Attachment Checklist: _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 (required for on-site closure) □ 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: Latitude36.37243° N Longitude107.51404° W NAD: □1927 □ 1983
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is true, 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)Catherine Smith Title:Regulatory Signature: Date:4/3/09
e-mail address:csmith@huntingtonenergy.com Telephone:405-840-9876

Cathy Smith

From: Cathy Smith

Sent: Friday, December 12, 2008 10:40 AM

To: 'brandon.powell@state.nm.us'; 'mark_kelly@nm.blm.gov'

Cc: Mike McKinney; Alan McNally

Subject: CLU 494-Notice of Pit Closure Notification

Pit Closure Notification as per NMOCD Pit Rule:

Canyon Largo Unit #494, API # 30-039-30053, Lease #: NMSF 078875, SWNW, Lot E, Sec 30, T25N, R6W; Rio Arriba Co., NM

Please contact me if you need any additional information.

Cathy Sm (405) 840- (405) 840-	9876 ext. 129)	
×			

Submit To Appropr Two Copies	nate Distri	ct Office		State of New Mexico						Form C-105							
District I				1						July 17, 2008 1. WELL API NO.							
1301 W Grand Ave District III	enue, Arte	sıa, NM 8	88210	Oil Conservation Division					30-039-30053 2. Type of Lease								
1000 Rio Brazos Rd , Aztec, NM 87410 District IV						20 South St						☐ STAT	ГЕ	☐ FEE		ED/IND	IAN
1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505						3 State Oil & Gas Lease No NMSF 078875											
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								400									
4. Reason for fili	ing:											5 Lease Name Canyon Largo		nıt Agree	ment Na	me	
☐ COMPLETI	ION REI	PORT (Fill in box	es #1 throu	ıgh #31	for State and Fee	e wells	only)	•		Γ	6 Well Numb 494					
C-144 CLOS	nd the pla	TTACH at to the	MENT (I C-144 clos	Fill in boxe sure report	es #1 thr	rough #9, #15 Da	te Rig 5.17.13	Releas 3.K NI	sed and MAC)	#32 and/or	r						
7. Type of Comp NEW V 8. Name of Opera	WELL [] wor	RKOVER	☐ DEEP!	ENING	□PLUGBACk	(🗆 D	IFFE	RENT R	RESERVO	_		20870	26			
Huntington Energ		· ·										9 OGRID	20870	70			
10. Address of O 908 N.W. 71 st St.		ma City,	, OK 7311	6								11 Pool name	or W	ldcat			
12.Location	Unit Ltr	Se	ection	Towns	ship	Range	Lot		Fee	et from the	#	N/S Line	Feet	from the	E/W L	ine	County
Surface:					·						4				<u> </u>		
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13 Date Spudded	_			9/26	/08	Released								R'	T, GR, e	tc.)	
18 Total Measur	ed Depth	of Well	l 	19. 1	Plug Bac	ck Measured Dep	oth		20. Wa	is Direction	nal	Survey Made?		21. Тур	e Electri	ic and Of	ther Logs Run
22 Producing Int	terval(s),	of this c	completion	- Top, Bo	ttom, Na	ame											
23.						ING REC	ORD	(Re	eport	all strii	ng	s set in we	ell)				
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SIZE	101			OTTOM		SACKS CENT	LIVI	SCR	LLIN		314	<u> </u>		31 111 3L	1	IACK	EKSEI
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																-	
28.							PRC	DU	CTI	ON							
Date First Produc	ction		Prod	uction Met	hod (Fla	owing, gas lift, p	umping	z - Size	e and typ	pe pump)		Well Status	(Proc	d. or Shut	-in)		
Date of Test	Hou	rs Tested	d (Choke Size	;	Prod'n For Test Period	-	Oil -	Bbi		Gas	- MCF	W	ater - Bbl		Gas - 0	Oil Ratio
Flow Tubing Press	Casi	ng Press		Calculated Hour Rate	24-	Oil - Bbl.		1	Gas - MO	CF		Water - Bbl.		Oil Gra	vity - A	PI - <i>(Cor</i>	r.)
29. Disposition of	of Gas (So	old, usea	for fuel, v	ented, etc.)	1					_		30. 7	est Witne	essed By		
31. List Attachm	ents																
32. If a temporar	v pit was	used at	the well, a	ittach a pla	t with th	e location of the	tempo:	гагу р	it.								
33. If an on-site				_			_						-				
33. 11 411 611 611	,			report and		Latitude						Longitude				N.A	AD 1927 1983
I hereby certi	ify that	the inf	formation	ı şhown	on bot	h sides of this	form	is tr	ue and	l comple	te.	to the best o	f my	knowle	dge an	d belie	f
Signature (ath	eune	. In	the		Printed Name Cathe	rine S	mith	ı Tit	tle Re	egı	ılatory		Date	April 3	3, 2009	
E-mail Addre	ess csm	nith@h	untingto	nenergy	.com												

DISTRICT I 20 Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico monergy, Minerals & Natural Resources Depar

DISTRICT L .301 W. Grand Avenue, Artemia, N.M. 88210

DISTRICT III 1000 Rto Brazos Rd., Artec, N.M. 87410

LOT 4

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87504-2088

Form C-1 Revised October 12, Instructions on 1 Submit to Appropriate District 0

PROPESSIONA

Certificate Numb

State Lease - 4 Cop Fee Lease - 3 Cop

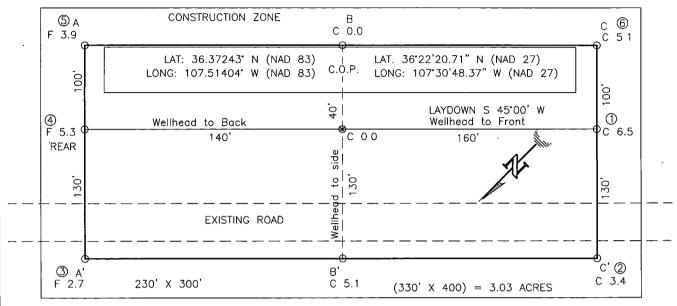
☐ AMENDED REPO

DISTRICT IV

.020 South St. Francis Dr., Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code API Number 71599 Basin Dakota *Property Name * Well Humber * Property Code CANYON LARGO UNIT 494 32660 *Operator Name OGRID No ' Elevation HUNTINGTON ENERGY, LLC 208706 6860 10 Surface Location Feet from the North/South line UL or lot no. Section Township Range Lot ldn Feet from the East/West line County 30 25-N 5-W 1965 NORTH 845 WEST RIO ARRI 11 Bottom Hole Location If Different From Surface Lot Idn Township Feet from the North/South line Feet from the UL or lot no. Section East/West line County " Joint or Infill M Consolidation Code 13 Dedicated Acres 1ª Order No W/320 321.04 W/V NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDAT OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION N 89-08-38 E CALC'D COR. FD 3 1/4" OPERATOR CERTIFICATION 5262.2, (C) DBL PROP. B.L.M. BC I hereby certify that the information contained he 1965 is true and complete to the best of my knowledge belief, and that this organization either owns a w LOT 1 interest or unleased mineral interest in the land including the proposed bottom hole location or has ш right to drill thus well at this location pursuant to contract with an owner of such a maneral or wor, interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the 19-49 .0' (M) discusion. 00-1 2599. LOT 2 entit8/14/06 LAT: 36.37256 N. (NAD 83) LONG: 107.51420" W. (NAD 83) Catherine Smith 845 Printed Name 18 SURVEYOR CERTIFICATION FD 3 1/4" ------I hereby certify that the well location of B.L.M. BC -was plotted from field notes of actual surveys n 1965 me or under my supervision, and that the same is and correct to the best of my belief. LOT 3 MAY 4, 2006

HUNTINGTON ENERGY, LLC CANYON LARGO UNIT No. 494, 1965 FNL 845 FWL SEC. 30, T25N, R6W, N.M.P.M., RIO ARRIBA COUNTY, N.M. GROUND ELEVATION: 6860, DATE: MAY 4, 2006

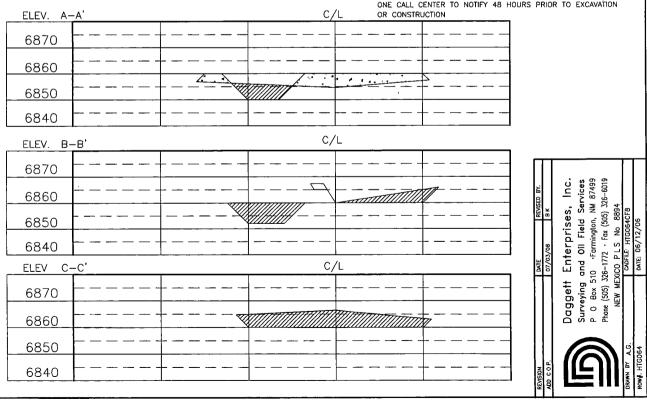
NAD 83 LAT. = 36.37256° N LONG. = 107.51420° W NAD 27 LAT. = 36°22'21.18" N LONG. = 107°30'48.95" W



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE:

DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES CONTRACTOR SHOULD CALL NEW MEXICO ONE CALL CENTER TO NOTIFY 48 HOURS PRIOR TO EXCAVATION





EPA METHOD 8015 Modified Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

Client:	Huntington Energy	Project #:	06111-0002
Sample ID:	Res Pit	Date Reported:	12-23-08
Laboratory Number:	48538	Date Sampled:	12-18-08
Chain of Custody No:	5932	Date Received:	12-18-08
Sample Matrix:	Soil	Date Extracted:	12-19-08
Preservative:	Cool	Date Analyzed:	12-22-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	15.0	0.2
Diesel Range (C10 - C28)	128	0.1
Total Petroleum Hydrocarbons	143	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Canyon Largo Unit 494.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



EPA Method 8015 Modified Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-22-08 QA/QC	Date Reported:	12-23-08
Laboratory Number:	48513	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-22-08
Condition:	N/A	Analysis Requested:	TPH

9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	FCall Date	I-Cal RF	C-CaliRF %	Difference A	ccept Range
Gasoline Range C5 - C10	05-07-07	9.8501E+002	9.8540E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0037E+003	1.0041E+003	0.04%	0 - 15%

Blank Gonc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept: Range
Gasoline Range C5 - C10	9.5	9.5	0.0%	0 - 30%
Diesel Range C10 - C28	47.9	47.6	0.6%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	9.5	250	256	98.5%	75 - 125%
Diesel Range C10 - C28	47.9	250	293	98.3%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 48513, 48528 - 48531, 48538, 48543, and 48544.



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Huntington Energy	Project #:	06111-0002
Sample ID:	Res Pit	Date Reported:	12-23-08
Laboratory Number:	48538	Date Sampled:	12-18-08
Chain of Custody:	5932	Date Received:	12-18-08
Sample Matrix:	Soil	Date Analyzed:	12-22-08
Preservative:	Cool	Date Extracted:	12-19-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Danmana	77	• •	
Benzene	7.7	0.9	4
Toluene	43.4	1.0	
Ethylbenzene	15.5	1.0	-
p,m-Xylene	67.3	1.2	
o-Xylene	27.7	0.9	
Total BTEX	162		

· ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
•	Bromochlorobenzene	97.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Canyon Largo Unit 494.

Analyst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client Sample ID Laboratory Number: Sample Matrix: Preservative Condition	N/A 12-22-BT QA/QC 48513 Soil N/A N/A		Project #: Date Reported. Date Sampled. Date Received: Date Analyzed. Analysis:		N/A 12-23-08 N/A N/A 12-22-08 BTEX
Califications and C Described Limits (ug/L)	J-CalPRF	C-Cat RE Accept-Rang	%D iff 3e.0 - 15%	Blank Cond	Detect # Limit
Benzone Toluene Ethylbenzerie p,m-Xylene o-Xylene	6.7393E+005 6.3650E+005 6.6108E+005 1.6658E+006 7.1667E+005	6.7528E+005 6.3777E+005 6.6240E+005 1.6692E+006 7.1811E+005	0.2% 0.2% 0.2% 0.2% 0.2%	ND ND ND ND ND	0.1 0.1 0.1 0.1 0.1
Dunlivete Conc. (ug/kg)		Dúplicate (Ággépt-Rangg	do
Benzeno Tofuene Ethylbenzeno p.m-Xylene c-Xylene	2.9 10.3 4.5 9.6 5.4	2.7 9.9 4.4 9.8 5.7	6.9% 3.9% 2.2% 2.1% 5.6%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	0.9 1.0 1.0 1.2 0.9
Spece Carro (ligits)	i sample	Amount Spiked	Sqiked Sample	%Re-svei	Accept Range
Benzene Tokrane Ethylbenzene p,to-Xylene o-Xylene	2.9 10.3 4.5 9.6 5.4	50.0 50.0 50.0 100 50.0	50.9 59.0 52.5 105 57.8	96.2% 97.8% 96.3% 95.3% 104%	39 - 150 46 - 148 32 - 160 46 - 148 46 - 148

ND - Parameter not detected at the stated detection limit

Reforences

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA

December 1995

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoiorization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments:

QA/QC for Samples 48513, 48528 - 48531, 48538, 48542, and 48544.

Analyer

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Huntington Energy	Project #:	06111-0002
Sample ID:	Res Pit	Date Reported:	12-23-08
Laboratory Number:	48538	Date Sampled:	12-18-08
Chain of Custody No:	5932	Date Received:	12-18-08
Sample Matrix:	Sludge	Date Extracted:	12-22-08
Preservative:	Cool	Date Analyzed:	12-22-08
Condition:	Intact	Analysis Needed:	TPH-418.1

	Concentration	Det. Limit
Parameter	(mg/kg)	(mg/kg)
		dr
Total Petroleum Hydrocarbons	2,230	5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Canyon Largo Unit. 494.

Analyst



EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client: Sample ID:		QA/QC QA/QC		Project #: Date Reported	!•	N/A 12-23-08
Laboratory Number	:	12-22-TPH,QA/C	C 48542	Date Sampled		N/A
Sample Matrix:		Freon-113		Date Analyzed		12-22-08
Preservative:		N/A		Date Extracted	l:	12-22-08
Condition:		N/A		Analysis Need	ed:	TPH
Calibration	I-Cal Date 12-03-08	C-Cal Date 12-22-08	I-Cal RF:	C-Cal RF: 1,560	% Difference	Accept. Range
Blank Conc. (mg	g/Kg)	e, 100, \$110	Concentration	St. Company	Detection Lim	iṫ ´

ND = Parameter not detected at the stated detection limit.

References:

TPH

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

2,000

2,100

104%

80 - 120%

and Waste, USEPA Storet No. 4551, 1978.

24.8

Comments: QA/QC for Samples 48538 and 48542.



Chloride

Client: **Huntington Energy** Project #: 06111-0002 Sample ID: Res Pit Date Reported: 12-23-08 Lab ID#: 48538 Date Sampled: 12-18-08 Sample Matrix: Sludge Date Received: 12-18-08 Preservative: Cool Date Analyzed: 12-23-08 Condition: Intact Chain of Custody: 5932

Parameter

Concentration (mg/Kg)

Total Chloride

310

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Canyon Largo Unit 494.

Analyst

CHAIN OF CUSTODY RECORD

Client:			Project Name /	ocatio	n:				-				-	4.5.5.4.		/ DA 5			 			•
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505) 320 -	-253	3	Richard	Canyon Largo unit Campler Name: Kichard * Kreich Client No.:					TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	ङ्			۵							
Client Phone No.:	1.1		Client No.:		n				<u>8</u>	elle Silve	Pod	Meta	nior		Ή		£.	Щ			000	ntac
Sample No./	V_K/2	201	1 0611	1-6	1002				Met	Ž	Med	181	\ \		witt		418	붎			le C	196
Identification	Sample	Sampl Time	Lab No.		Sample Matrix	No./Volume of Containers			HE.	STEX	ő	RCRA 8 Metals	Cation / Anion	泛	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Identification 2 - pil-	12-18-	11:3	48538	Soil Solid	Sludge Aqueous	1,40			χ	X					,		χ	X			V	
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Huntington Energy, L.L.C. Canyon Largo Unit #494 Sec 30, T25N-R6W Rio Arriba Co., NM

Soil Backfilling and Cover Installation

Upon completion of solidification and testing standards being passed (see attached test results) a minimum of 4 ft of cover is achieved including a suitable layer of material to establish vegetation at the site. All re-contouring of location will match fit shape, line, and texture of the surrounding area.

Re-Vegetation and Seeding Technique

Seeding shall commence on or about April 1st, or the first available growing season barring weather. BLM stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover consisting of at least three native plant species, including at least one grass, and maintain that cover through two successive growing seasons. Repeated seeding or planting will be continued until successful growth occurs.

Temporary Pit Marker

A steel marker will be placed at the center of the on-site burial. The steel marker will not be less than 4" in diameter and be cemented in a 3' hole. Marker shall extend 4' above ground level. Engraved into the marker will be the operator's name, and legal location. This marker shall not be removed. Note: during active operations, a ground level marker will be employed due to safety concerns; upon abandonment, the 4" x 4' marker will be employed.

Disposal Facility

Facility Name: IEI Permit #: NM-010010B

