BTA OIL PRODUCERS

OJO CHISO FEDERAL #003

API 30-025-30733

C141 SITE REMEDIATION PLAN

NMOCD RP# /286

UL-M (SW1/4 OF THE SW 1/4) OF SECTION 26 T22S R34E

LATITUDE: N32° 21.486'

LONGITUDE: 103° 26.771'

~17.6 MILES SW (BEARING 252°) OF EUNICE LEA COUNTY, NEW MEXICO

PREPARED FOR BTA OIL PRODUCERS BY:

ACPARED FOR BTA OIL PRODUCES

SE

HUNGRY HORSE, LLC

ENVIRONMENTAL SERVICES

P.O. Box 1058, 3709 & Eunice Hmy
Hobbs, NM 88241

Phone: 505-391-3386
Cell: 505-391-3385
E-mail: jcgood 46146 gol.com

JOHN





Table of Contents

1.0 Project Summary	3				
2.0 Site Description	3				
2.1 Geological Description	3				
2.2 Ecological Description	3				
2.3 Area Ground Water	4				
2.4 Area Water Wells	4				
2.5 Area Surface Water Features	4				
3.0 Contaminant and Size of Area	4				
4.0 NMOCD Site Ranking	5-				
5.0 Proposed Remediation	5				
ATTACHMENTS	7-15				
Plate 1: Site Location Map	7				
Plate 2: Site Topography Map	·8··				
Plate 3: Site Aerial Photograph					
Plate 4: Site Detail Drawing	10				
Photographs	11-13				
Site Information and Metrics Form	14				
Initial NMOCD C141 Form	1-5-				

1.0 Project Summary

Release Site Name: Ojo Chiso Federal #003 (API: 30-025-30661)

Operating Company: BTA Oil Producers

Company Representative: Royce Boyce, Operations Manager Phone: 432-682-3753

Address: 104 S. Pecos, Midland, TX 79701-9988 Email: RBoyce@BTAOil.com

Remediation Company: Hungry Horse, LLC Phone: 505-393-3386

SITE SPECIFIC DATA:

Legal Description: Lea County, New Mexico UL-M Section 26, T22S, R34E

General Location: 17.6 miles southwest (bearing 252°) of Eunice, NM.

Latitude: N32° 21.486' Longitude: W103° 26.771' Elevation: 3,422-ft amsl

Land Ownership: Surface – BLM; Minerals - BLM

Ground Water Elevation: ~90' bgs (based on Chevron/Texaco contour map)

Water Wells within 1000-ft: none Surface Water within 1000-ft: none

RELEASE SPECIFIC DATA:

Date and Time of Release(s): Periodically over long time period

Material Released: Natural Gas Liquids; Refined Lubrication Oil

Volume Released: Unknown but <5-bbl Volume Recovered: 0-bbl

Cause of Release: Blow-down line of compressor installed to discharge onto caliche pad.

Release Affected Area: Total ~800-ft² in and around compressor building

Depth of Contamination: Unknown – estimate 1-ft to 2-ft bgs

NMOCD Site Ranking: 10 (ground water > 50' below lowest contamination)

PROPOSED REMEDIATION:

This Site Remediation Plan is submitted pursuant to a Notice of Written Order issued to BTA by Mr. Paul Evans of the BLM – Carlsbad Office. The hydrocarbon contaminated soils outside of the compressor building excavated and blended with clean soil to achieve TPH, BTEX, Benzene and Total Chloride concentrations less than the Remedial Action Levels for this site. Excavated areas will be backfilled with the blended soil and covered with a clean caliche cap layer.

The oil contaminated area within the compressor building will be manually excavated to a depth of 6-inches (removed soil to be included in the above blending procedure) and then bio-remediated with a MicroBlaze bacterial treatment plus nitrogen containing fertilizer combination. After treatment, the floor of the compressor building will be brought back to its original level with clean caliche.

2.0 Site Description

2.1 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil." The release site is located within the San Simon Swale physiographic subdivision, described by Nicholson & Clebsch as an area "covered by stabilized dune sand and no apparent drainage pattern is apparent" (Nicholson & Clebsch - 1961).

2.2 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Querqus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses, flowering annuals and flowering perennials. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 Area Ground Water

Based on available evidence, depth to ground water is projected to be 90-feet below ground surface (bgs).

2.4 Area Water Wells

There are no recorded or observed water wells within 1000 horizontal feet of the site.

2.5 Area Surface Water Features

No permanent surface water bodies exist within 1000 horizontal feet of the site.

3.0 Contaminant and Size of Area

The primary Contaminants of Concern (COC's) are petroleum based hydrocarbons and, to a lesser extent total chlorides. The release affected areas are in and around the compressor building located at the northeast corner of the well pad. The estimated combined area of the releases is ~800-ft² (see Plate 4, Attachments).

The un-refined fluids associated with this release are considered RCRA Exempt oilfield waste. The lubricating oil associated with the compressor is not RCRA Exempt. No evidence of other contaminants was observed.

4.0 NMOCD Site Ranking Table

Preliminary investigation and evaluation of this site indicate that the chemical parameters of the soil and the physical parameters of the ground water are characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- ➤ Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- > Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for contaminants/constituents of concern (CoCs), i.e., TPH^{8015m}, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylenes (BTEX⁸²⁶⁰), was determined based on the NMOCD Ranking Criteria as follows:

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

Based on the proximity of the site to area water wells, surface water bodies, and depth to ground water from the lower most contamination, the NMOCD ranking score for the site is 10 points with the soil remedial goals highlighted in the Site Ranking Table below.

NMOCD Site Ranking Table

1. GROUND WATER		2. WELLHEAD PROTECTION	3. DISTANCE TO SURFACE WATER			
DEPTH TO GW <50 FEET: 20 POINTS DEPTH TO GW 50 TO 99 FEET: 10 POINTS DEPTH TO GW >100 FEET: 0 POINTS GROUND WATER SCORE =1 0		IF <1000' FROM WATER SOURCE, OR; <200' FROM PRIVATE DOMESTIC	<200 HORIZONTAL FEET: 20 POINTS 200-1000 HORIZONTAL FEET: 10 POINTS			
		WATER SOURCE: 20 POINTS				
		IF >1000' FROM WATER SOURCE, OR; >200' FROM PRIVATE DOMESTIC WATER SOURCE: 0 POINTS	>1000 HORIZONTAL FEET: 0 POINTS			
		WELLHEAD PROTECTION SCORE= 0	SURFACE WATER SCORE= 0			
		SITE RANK (1+2+3) = 10 + 0 + 0 = 10 POINTS				
	TOTAL SITE RANK	(ING SCORE AND ACCEPTABLE REMEDIAL GOAL	CONCENTRATIONS			
PARAMETER	20.4	10	Ş			
BENZENE	10 pps	10 PPM	10 pps			
BTEX	SU WE	\$0 PPM	50 page			
TPH	190 orm	1000 PPM	5300 P/M			

5.0 Proposed Remediation

Area(s) outside of compressor building:

The contaminated soil area(s) will be excavated to a depth sufficient to achieve hydrocarbon concentrations significantly below the acceptable remedial goal

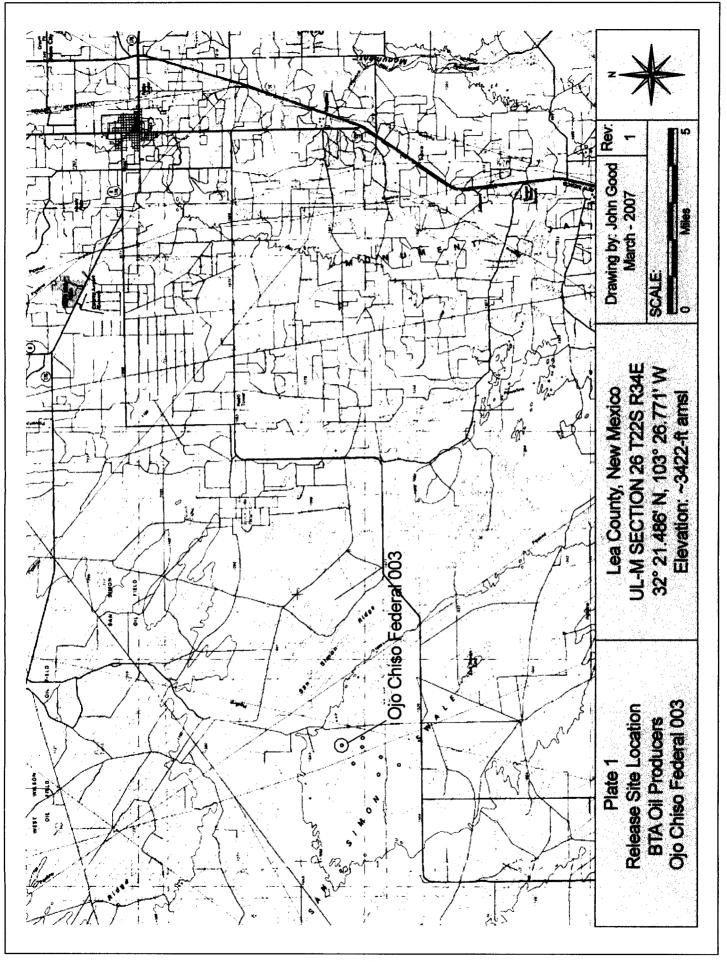
concentrations for this site, and a total chloride concentration below the New Mexico Water Quality Control Commission standard of 250-ppm. The excavated soil will be blended with clean soil obtained on-site to achieve CoC concentrations below the Remedial Action Levels for this site. Sidewall, bottom and blended soil samples will be obtained and submitted to Cardinal Laboratories, Hobbs, NM for certified analyses. Samples will be transported under proper Chain of Custody by Hungry Horse personnel.

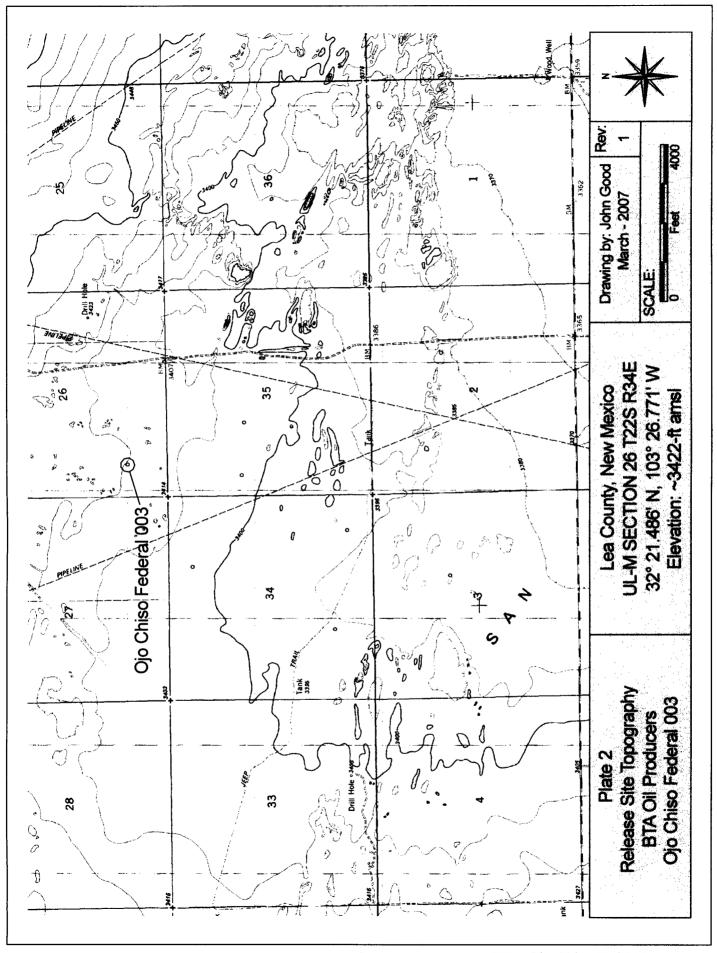
Area within the compressor building:

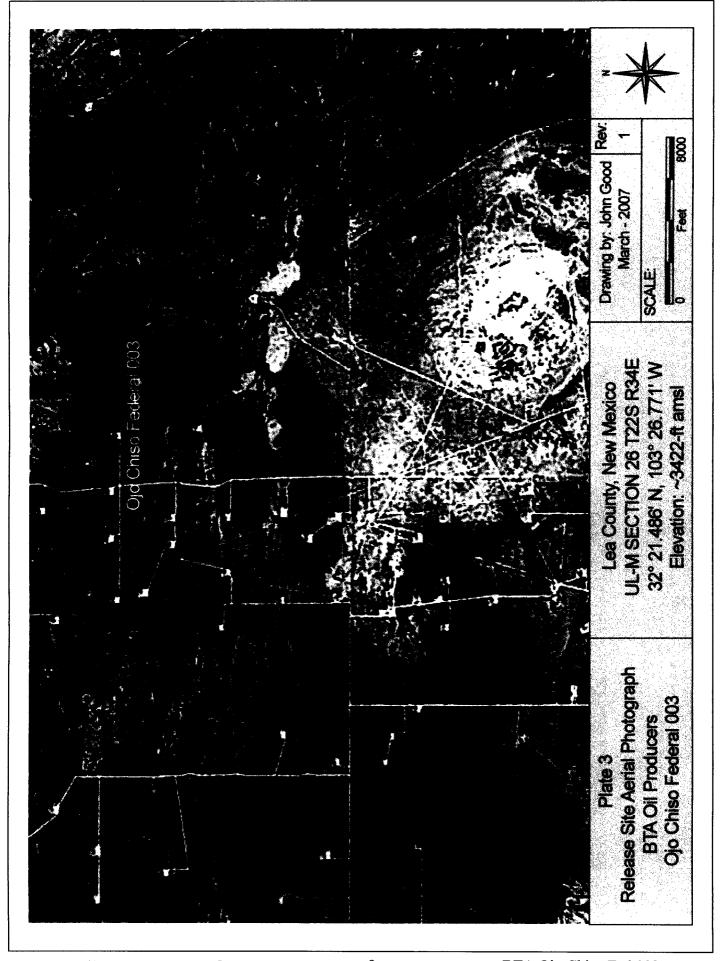
Due to the vertical and horizontal limitations posed by the walls and ceiling of the compressor building, soil remediation efforts within the building will be accomplished by utilizing hand-tools and manual labor only. The contaminated soil within the compressor building does not pose a threat to ground water at this location. Removal and relocation of the compressor unit is not justified at this time. The contaminated soil within the building will be removed from around the compressor unit to a depth of 6-inches. This excavated area will then be bio-remediated with MicorBlaze bacterial treatment and a nitrogen containing fertilizer. Clean caliche will be utilized to bring the floor to its original level.

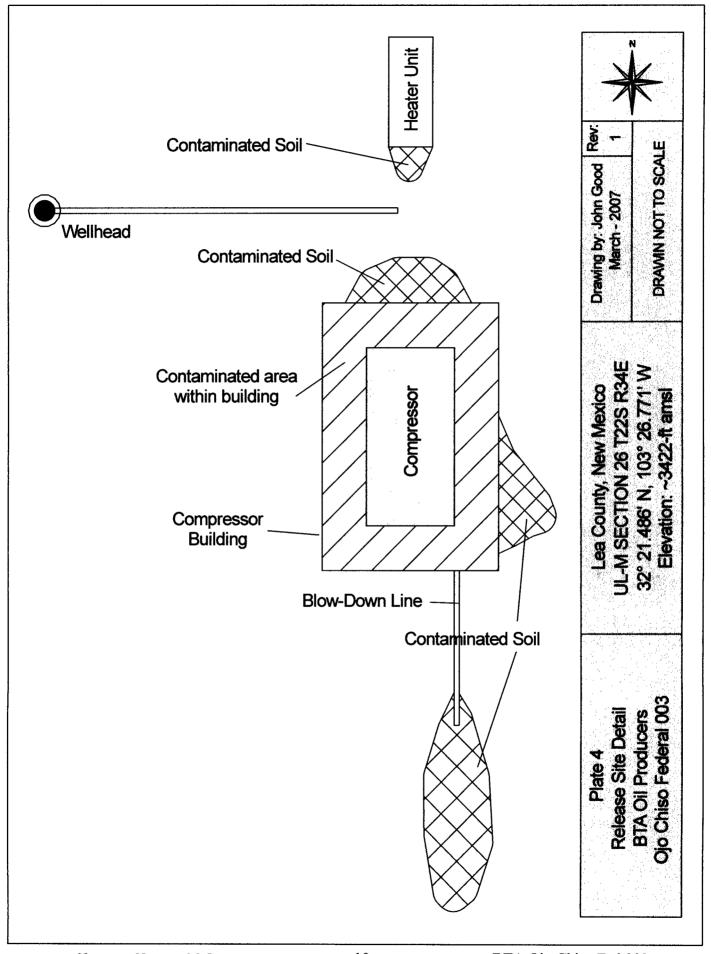
ATTACHMENTS

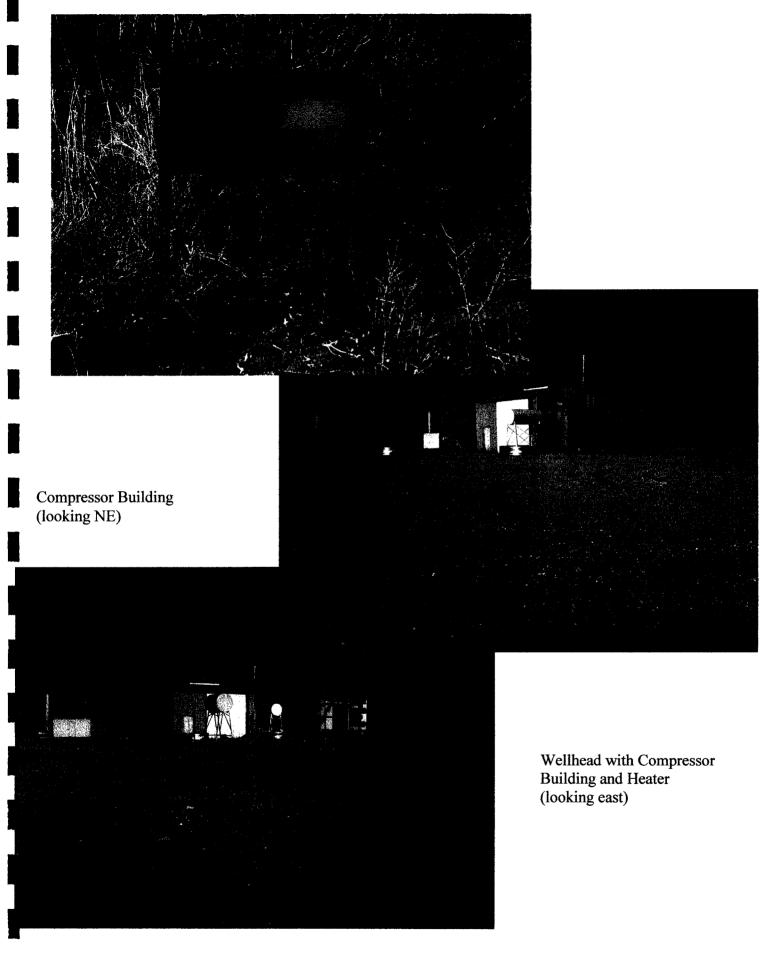
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Plate 2: Site Topography Map	8
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		Incident Date: NMOCD Notified:					
SITE: Ojo Chis	so Federal 003	Assigned	Site Reference:	e: BTA-OJO-003			
Company:	BTA Oil Pro						
Street Address:	104 South	Pecos	Lease No.:	NM43	564		
Mailing Address:	104 South	Pecos					
City, State, Zip:	Midland, T	X 79701-9988	-				
Representative:	Royce Boy	ce Positio	n: Operations M	lanager			
Representative Tele							
Telephone:	-						
Fluid Volume Releas	sed (bbl): > 5	Volume Recovered (b	ol): (Net Release: >	5		
	>25 bbl: Notify NMOCD	verbally within 24 hours and	submit C-141 within	า 15 days.			
5-25	bbl: Submit Form C-141 within	15 days. (Also applies to una	uthorized release of	>50 mcf Natural Gas).			
Leak, Spill, or Pit (L			Federal 003				
Source of Contamin			or, Blow-Down,	Heater			
Land Owner, i.e. BL		BLM	····· • · · · · · · · · · · · · · · · ·				
LSP Dimensions:		~					
LSP Area		~ 800 -ft ²		· · · · · · · · · · · · · · · · · · ·			
Location of Referen	ce Point (RP)				• • • •		
	nd direction from RP:						
Latitude: North	id direction from the :	32deg 21.	486'				
Longitude: West		103deg 2					
Elevation above me	an sea level (amsl):	3422 fee					
Distance from North		0+22 100	1040 11101011	<u> </u>			
Distance from East							
Location - Unit Lette		UL- M SV	/ - 1/4 of SW -	1/4			
Location - Section	1 and 1/4 1/4.	26	V - 114 OI OVV -	u-t			
Location - Township		22S					
Location - Range		34E					
	within 1000' radius of site:						
	within 1000' radius of site: Is within 1000' radius of site						
1	s within 1000 radius of site						
	ells within 1000 radius of site						
	ells within 1000 radius of s						
	wells within 1000 radius or s						
	wells within 1000 radius o						
	nd surface to Ground Water						
	st contamination (DC):	10					
	ind Water (DG - DC = DtG						
	ound Water	2. Wellhead Prot	oction Area	3. Distance to Surfac	o Water		
If Depth to GW <50-		If <1000' from water so	ource, or, <200'	<200 horizontal feet: 20			
		from private domestic	water source:		•		
If Depth to GW 50 to	100-feet: 10 points	20 points		200-1000 horizontal feet	: 10		
If Depth to GW 50 to 100-feet: 10 points		if >1000' from water se		points			
If Depth to GW >100	0-feet: 0 points	from private domestic points	water source: 0	>1000 horizontal feet: 0 points			
Ground Water Score	e: 10	Wellhead Protection Score: 0 Surface Water Sc			0		
Site Ranking (1 + 2		•	-				
Total Site Ranking Score and Acceptable Concentrations							
Parameter	20 or >	10		0	· · · · · · · · · · · · · · · · · · ·		
Benzene ¹	10-ppm	10-ppn	•	10-ppm			
BTEX ¹							
	50-ppm	50-ppn		50-ppm			
TPH	100-ppm	1000-pp	m	5000-ppm			

State of New Mexico Energy Minerals and Natural Resources

Form C-141

Revised June 10, 2003

District II

1301 W. Grand Avenue, Artesia, NM 88210

Distric III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form.

	OI	Re PERATOR	lease Notificatio	n and C	orrective Ac	tion	☑ Initial	Report Final	Penort
Name of Company BTA Oil Producers		Contac					port		
Address	104 South Pecos Midland, TX 79701-9988			one No.	432-682-3753		Ореганов	is iviamager	
Facility Name		Ojo Chiso F			у Туре		l Gas W	ell	
Surface Owner	BLM	· · · · · · · · · · · · · · · · · · ·	Mineral Ow	ner/	BLM		API No.	: 30-025-	30733
-			LOCATIO	N OF RI	ELEASE				
			eet from Feet from Longitude-W Latitude-N			County			
M	26	22S	North		East Line	103deg	26.771'	32deg 21.486'	Lea
			NATURE	OF RE	LEASE	1	·		
Type of Releas	e			Volum	Volume of Release Volume Recovered				· · · · · · · · · · · · · · · · · · ·
NGL and Lub	rication Oil fro	m Compressor			> 5 bbl 0 bbl			bbl	
Source of Relea	ase			Date a	Date and Hour of Occurrence Date and Hour of Discovery			very	
	Blow-Down, He	ater			Over Time			NA	
Was Immediate	Notice Given?		_	If YES	, To Whom?				
D 11/1 0	☐ YES		Not Required		111				
By Whom? Was a Waterco	D110				Date and Hour If YES, Volume Impacting the Watercourse				
was a waterco	ourse Reached?	□YES	☑ NO	NA	, volume impa	cung the	watercot	293037	
If a Watercours	se was Impacted	Describe Fully*		INA				/03/-	`
							24 25.2	A PAR	123256788
Describe Cause	of Problem and	Remedial Action	n Taken. *				13	0000	or S
Blow down ha		directly onto gr	ound south of comp	oressor bu	ilding. Spillage	in and a	eround e	ompressor buil	ding, and
Describe Area	Affected and Cle	anup Action Tak	en. *						MATE AND A STATE OF THE ASSESSMENT OF THE ASSESS
			and around compro , LLC, Hobbs, NM					epth presumed	to be 1-2 feet
required to report a 141 report by the contamination that	nd/or file certain rele NMOCD marked a pose a threat to grou	ease notifications and s "Final Report" do and water, surface wa	complete to the best of many dispersions corrective actions not relieve the operaturer, human health or the corrective and/or resources.	ons for release or of liability environment.	s which may endar y should their ope	nger public rations hav	health or the	e environment. The	acceptance of a C- gate and remediate
Signature:			OIL CONSERVATION DIVISION						
Printed Name:		John Goo	od	Approv	ved by District-	Euul 120 S upervis e	ENGR	Doler	~
Title:	Env. Ma	nager, Hung	ry Horse LLC		val Date: 5,2		Expirati	on Date: 7.2	2.07
E-Mail Address	s:	jcgood4614	@aol.com	Condit Wor	ions of Approvi EX PCAN D UNCATIO	al: Event	,s o N	:	
Date:	5/2/2007	Phone:	505-631-3277	DE	CINCATIO	N ZE	EUL7	5	Attached