# **CHEVRON USA**

### **REMEDIATION WORK PLAN** AND CLOSURE REPORT

FOR THE PRODUCTION FLUID RELEASE ASSOCIATED WITH THE

### HUGH #12 FLOW LINE

New Mexico Oil Conservation Division Case #

NE<sup>1</sup>/<sub>4</sub> Section 14, T22S, R37E ~4 miles southeast of Eunice Lea County, New Mexico Latitude 32°23'37.5"N Longitude 103° 07'43.5"W

**JUNE 2001** 

Prepared by

(Midland) Environmental Plus, Inc. 1324 North Main Street P.O. Box 1558 Eunice, New Mexico 88231 Tele 505.394.3481 FAX 505.394.2601 API# 3002 S257390000 Incident - nPAC0607238847 Sphication pPAC0607239231



July 11, 2001

Mr. Paul Sheeley 1625 North French Hobbs, New Mexico 88240

Subject: Final C-141 submittal for the Chevron USA Hugh #12 Flow Line Site

Dear Mr. Sheeley,

Environmental Plus, Inc. (EPI), on behalf of Chevron USA, submits the attached New Mexico Oil Conservation Division (NMOCD) "Final Form C-141" for the Chevron Hugh #12 Flow Line Remediation site located in the NE¼ of Section 14, T22S, R37E, Lea County, New Mexico. Enclosed herewith are two copies of the report titled, "Chevron USA Remediation Work Plan and Closure Report for the Hugh #12 Flow Line, June 2001," that documents work plan strategy, implementation, and closure justification in accordance with the NMOCD guideline remedial goals. EPI, on behalf of Chevron USA, therefore requests that the NMOCD grant closure to the site requiring "no further action."

If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively or Mr. Rick Massey, at 505.394.1237.

All official communication should be addressed to:

Chevron USA Att: Mr. Rick Massey P.O. Box 1949 Eunice, New Mexico 88231

Sincerely,

Pat McCasland EPI Technical Services Manager

cc: Rick Massey, Chevron USA Nathan Mouser, Chevron USA Ben Miller, EPI Vice President and General Manager Sherry Miller, EPI President file

### Table of Contents

Table of Contentsi
Executive Summary1
1 Hugh #12 Flow Line Remediation Work Plan1
1.1 Remediation Strategy and Objective 1
1.2 Site Description
1.2.1 Historical Use 1
1.2.2 Legal Description 1
1.2.3 Photographic documentation1
1.2.4 Ecological Description1
1.2.5 Environmental Media Characterization 2
1.2.6 NMOCD Site Ranking and Remedial Goals 2
1.3 Data Quality
1.4 Project Safety
1.5 Process/Procedure
2 Work Plan Implementation and Closure 4
2.1 Excavation and Composite Sampling 4
2.2 Discussion of Data
2.2.1 Bottom Composite Sample
2.2.2 North Side Wall Composite Sample 4
2.2.3 South Side Wall Composite Sample 4
2.2.4 East Side Wall Composite Sample 4
2.2.5 West Side Wall Composite Sample 4
Data Illustrations
2.3 Soil Disposal and Backfilling
2.4 Conclusion
2.5 Follow Up
Attachment I: Site Map 7
Attachment II: Photographs11
Attachment III: Analyses14
Attachment IV: Site Metrics and Information Form16
Attachment V: Chevron Digging Permit18

1

	is and Natural Resources	Form C-141 Revised March 17, 1999
District II 811 South First, Artesia, NM 88210 - District III 2040	servation Division South Pacheco	Submit 2 Copies to appropriate
1000 Rio Brazos Road, Aztec, NM 87410 Santa District IV	South Pacheco Fe, NM 87505	District Office in accordance with Rule 116 on back
2040 South Pacheco, Santa Fe, NM 87505		side of form
	and Corrective Action	
Name	Contact Nice	
CHEVRON USA	NATHAN	MOUSER
Address P.O. Box 1949 EUNICE, MM	Telephone No. (505) 394	-1247
Facility Name HUGH LELL No. 12	PRODUCTION F	LOWLINE
Surface Owner, / Mineral, Own		Lease No.
Tom & WINNIE REENAN EIN G	ANN	
	OF RELEASE	
		t/West Line County
H 14 22.5 37E 2310	North 330	East LEA
NATURE (	<b>FRELEASE</b>	
Type of Release	Volume of Release 20 (10B0 = 10)	Volume Recovered
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given?	05/19/01 9:00 am	05/19/01, 12:00 pm
Yes No X Not Required		
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.*		
Broken Threads on 4" flowline	at hammer Unio	in; Well Shut In;
5/21/01 Worn threads cut to good pipe,	rethreaded & installe	d new nipple é ilnion
Describe Area Affected and Cleanup Action Taken.*		
Sandy Pasture; Vacuum True	K Dispotched to	area, approximately
3 Bble BSEW recovered & 2 Bble	remedicited T	DOD Levels
Describe General Conditions Prevailing (Temperature, Precipitation	on, etc.)* Disposed of	942 yd of soil in v. Londfar.n.
Hot & Dry	The Rhino En	v. Landfar.n.
	BA nched repu	rt Documents Remediation
I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		ATION DIVISION
DR NY LUL		
Printed Name:	Approved by	
Brenda K Parker	District Supervisor:	- Eusintian Data
Title: FLELD SPECIALIST	Approval Date:	Expiration Date:
Date: 05-29-01 Phone: 390-7166	Conditions of Approval:	Attached

\* Attach Additional Sheets If Necessary

SPILL EVEN	Event No.	ENV - 140 MP2	
GENERAL	Date of Spill:	-OI Time (HH:MN O9	i) : (24 Hrs.) OO
EVENT	Leasting Dees		eter Collin
	Location: Desc.	(i.e. HSA Well #544 - Oil &/or W	
<u>INFO.</u>	Supervisor: PUCCH	Well No. 12 - Ou	- é Water Spill
	Spill Levels: (Select One)	□ <l1> Level 1 □ <l2> Le</l2></l1>	evel 2 🕅 <l3> Level 3</l3>
1	Agency Notified? X Y		~
	( <l1> = Oil &lt; 1 bbl, Water &lt; 100 bl</l1>	bls < LII>= Oil 1 bbł to < 10 bbł, Water 10	00 to 500 bbls   <liii> Everything else)</liii>
1	Location:	Unique Code:	ucu 523000
	Lat	(Lease and/or Facility Unique Co	······································
	Long	(OA's have print out of Unique Co	odes by Facility)
<u>Equip.</u> Process	(Select One)		
Unit	<pre>K</pre> <pre>Field Flowline</pre>	AG> Above Ground Tank	C <fs> Flare Stack</fs>
	☐ <in> Injection Unit ☐ <wc> Well Casing</wc></in>	PE> Pumping Equipment <	<ht> Heater Treater &lt;</ht>
Equip	(Select One)		
Equip. Component	□ <gu> Gauge</gu>	C <po> Plug</po>	C <pu> Pump</pu>
	□ <f> Fitting □ <ca> Clamp</ca></f>	<	SB> Stuffing Box
	C <vl> Valve</vl>	Control Con	
	X <pc> Pipe Conn. ☐ <cr> Collar</cr></pc>	<fl> Flange <il> Injection Line</il></fl>	<f> Fittings <cp> Coupling</cp></f>
	□ <ni> Nipple</ni>		☐ <ot> Other (Specific)</ot>
		,	
		·	
Cause	(Select Items that apply)		
	XI <ci> Internal Corr. ☐ <we> Weather</we></ci>	CE> Design [ CX> External Corr. [	<pre>] <pr> Procedural ] <hu> Human Error</hu></pr></pre>
	C <tp> Third Party</tp>	□ <me> Mechanical</me>	<pre>_ <no> Muman Endi _ <va> Intentional Act/Vandalism</va></no></pre>
	Describe Event:		
<u>Witness</u> Info,	Name:	Company:	
Recovery	Name: Select One)	Company:	
Method			
	☐ <b> Berm Material ☐ <d> Disposal</d></b>	<f> Fuel <p> Product Recovery</p></f>	☐ <r> Remediate ☐ <rm> Road Mix</rm></r>
	C <e> Excavate</e>	X <v> Vacuum Truck</v>	
Corrective	Well Shut In 5	19/01 Until 05/21/01	: 5/21/a. Worn thread
Recom,	cut to good pipe. re	-threaded and install n	: 5/21/01: Worn threads
<u>Action</u>	Date/Time, Start	Date/Time, End	
Prev. Meas.			
<u>Curr. Status</u>			

Specific Che	<b>micals</b> (	Please spec	ify Measur	rement Units)		Repo	rtability t One)			iving Medium t One)	
<b></b>	Barrels, <g></g>	Gallons. <	X> MSCF.	<t> Tons, <l></l></t>	Pounds		us Event?			ermeable	
		Quantity	Quanti						<b>A</b> '	Surface	
		Spilled	Recover	red Lost	í	Offsit			🔲 lm	permeable	
Crude Oil	<pp></pp>	<u>_</u>				XY				Surface	
			2	8			a Reportat	ole?			
Produced Wate	[ <pw></pw>	10	3	7	1		XΝ			urface Waters ot Applicable	
Deadwood Coo		10					stod Area			or Applicable	
Produced Gas	<ru></ru>					(Selec	cted Area	- 1			
		Length	Width	Depth			iral (Fee Li	and)			
Spill Measurem	ents	1			-1		rivate Land		Conta	inment	
		30	50	í   18"		ise.)			(Select	t One)	
					••	🔲 ົບ	rban		U 🕅	n-Contained	
							ate Land		П Со	ontained	
						G Fe	ederal Lan	d			
Cost:	Est. Dama	iges \$		Lost Value	\$ 24	10.00	C	<b>lean-Up</b>	\$		
	General Commen	its:									
Agency	(Select Co	de(s) that a	polv) (viag	Select Code(s)	that app	V)	(Select C	ode(s) that	apply)		
info.	Reason N			Regulatory Ca	••			s Notified:			
		Good Wil	I –	] <rg> Reg</rg>					-	Commission	
(If Y marked above)	⊠ <re></re>			Substances	lialeu					Resource	
		nadmii.eg		] <b><ps></ps></b> Publi	c Safeh	,		ation Con			
	Agency (	Code)	Agency	Contact	С	aller		Date		RRC Job No	
				······							
Prepared by:	PAR	200	RR	ENDA	,	K.	Deter	05-2	-	<b>~</b> I	
	Last Name		First N			MI	Date.	~	-2- (		
			1 11 96 1		7						
Approved by:							Date:				
Revised 1/3/01	Last Name		First N	Name		MI					

### EXECUTIVE SUMMARY

May 19, 2001, a production fluid leak consisting of crude oil, natural gas, and formation water occurred between the <u>Chevron Hugh #12</u> pumping well and the tank battery and was apparently due to <u>internal corrosion</u>. Chevron contracted Environmental Plus, Inc. (EPI) of Eunice, New Mexico to delineate the vertical and horizontal extents of Total Petroleum Hydrocarbon EPA method 8015M (TPH) and BTEX, i.e., Benzene, Toluene, Ethyl Benzene, and Xylene, and soil Chloride to New Mexico Oil Conservation Division (NMOCD) remedial goals. Chevron chose to remove soil above the NMOCD remedial goals and replace with clean soil. Acceptable levels of TPH and BTEX were encountered at the 15'bgs interval and resulted in the excavation and disposal of <u>942 yd</u><sup>2</sup> of soil at NMOCD approved and permitted Rhino Environmental Facility south of Hobbs, New Mexico. A similar volume of clean soil was purchased from the landowner and used as backfill.

#### 1 HUGH #12 FLOW LINE REMEDIATION WORK PLAN

This plan will restore the impacted surface area to an acceptable agricultural state and remove or isolate soil contaminated above New Mexico Oil Conservation Division (NMOCD) guidelines by historical oil and gas production and handling activities. The Constituents of Concern (CoCs) will be Total Petroleum Hydrocarbon using EPA method 8015M (TPH), Benzene, BTEX, i.e., the sum of Benzene, Toluene, Ethyl Benzene, and m, p, & o Xylene, and soil Chloride. This Site Specific Remediation Work Plan will provide quality analytical information and document remediation activities necessary to receive a "no further action" declaration from the NMOCD.

#### 1.1 Remediation Strategy and Objective

The site will be delineated concurrent with excavation with soil disposal as the remediation strategy. The objectives of the plan will be to;

- Document final achievement of acceptable environmental thresholds established by the NMOCD and
- Restore the impacted surface area to an acceptable agricultural state.

#### 1.2 Site Description

The site is located in open sandy range land and is traversed north to south with three main line crude oil pipelines owned by E.O.T.T. Energy Pipeline. A site map is included as Attachment I.

#### 1.2.1 Historical Use

This land surface is owned by Sims/Kennann and used for livestock grazing, caliche sales, and oil and gas production facilities access.

#### 1.2.2 Legal Description

The site is located approximately 4 miles southeast of Eunice, Lea County, New Mexico. The legal description is NE¼ S14 T22S R37E, Latitude 32°23'37.5"North and Longitude 103° 07'43.5"West.

#### 1.2.3 Photographic documentation

Photographs of the site are included as Attachment II.

#### 1.2.4 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 and weeds.



Mammals present, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, and the Mule Deer. Reptiles, Amphibians, and Birds are numerous and typical of area. A survey of Listed, Threatened, or Endangered species has not been conducted.

#### 1.2.5 Environmental Media Characterization

Chemical parameters of the soil were characterized consistent with the New Mexico Oil Conservation Division (NMOCD) guidelines published in the following documents;

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

Acceptable "Site Specific" thresholds for contaminants of concern, i.e., Chloride, TPH and BTEX, were determined based on the following;

- 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.

#### 1.2.5.1 Ground Water Level

According to the Office of the New Mexico State Engineer ground water level database, there are three water wells with known levels in section 14 of T22S R37E, i.e., 60.76, 68, 54.06 feet below ground surface (bgs). This averages to 60.94'bgs or 61'bgs. On going environmental surveillance by another company at a site -.2 mile north records the ground water level at [60'bgs]

#### 1.2.5.2 Depth to Ground Water Calculation

Depth to ground water, i.e., "the vertical distance from the lowermost contaminants to the seasonal high water elevation of the ground water." For the hydrocarbon source term, i.e., TPH, Benzene, and BTEX, this was determined to be 45 bgs

#### 1.2.5.3 Ground Water Gradient

According to the USGS (Nicholson & Clbesch), the gradient is to the southeast.

#### 1.2.5.4 Wellhead Protection Area

There are no domestic use wells located within a 1000' radius of the site.

#### 1.2.5.5 Distance to Nearest Surface Water Body

There are no naturally occurring surface water bodies located within a 1 mile radius of the site.

#### 1.2.5.6 Soil Assessment

For field delineation purposes only, the VOC headspace threshold of 200 ppm was used to determine when samples should be ascensioned to the laboratory for analysis. A 5-point composite sample was collected from the excavation side walls and bottom.

#### 1.2.5.7 Ground Water Assessment

The ground water level is conservatively estimated to occur at -60 feet bgs. The soil assessment did not indicate that the ground water had been impacted by the hydrocarbon source term.

#### 1.2.6 NMOCD Site Ranking and Remedial Goals

The Site information and Metrics form in Attachment IV summarizes the information about the site, shows a site ranking of >19 and sets the following remedial goals for the CoCs.

Benzene <sup>1</sup>	10 ppm
BTEX	50 ppm
TPH	100 ppm

Chevron

#### 1.3 Data Quality

All laboratory analytical results were within the data quality objectives listed below.

- Laboratory data must have > 85% recovery for TPH and BTEX and >75% recovery for general chemistry parameters.
- Laboratory data must have <15% Relative Percent Difference
- Field headspace analyses must be supported with instrument calibration data and calibration gas certification.

Duplicates or blanks were not submitted to the laboratory.

#### 1.4 Project Safety

Hazards that will be encountered at this site include the following;

- Moving equipment
- Buried pipelines
- Highway ingress/egress
- Excavation
- Potential Hydrogen Sulfide Gas

Employees and subcontractors will be required to confirm current training in these hazards. Standard personal protective equipment will include;

- Personal H<sub>2</sub>S Monitor
- Hard-hat

.

- Excavation Safety
- Steel Toed Boots/Shoes

1.5 Process/Procedure

Safety Glasses

The following sequence was used to guide project implementation.

- 1. Site visit: Photograph and map
- 2. Issue "One Call" and notifying utilities
- 3. Complete the "Chevron Digging Permit" and signature approval process
- 4. Locate, hand spot, and mark buried lines or other structures
- 5. Overhead powerlines are not present and will not be a hazard.
- 6. Lockout/Tagout: Pipeline companies notified of activity but LO/TO unnecessary
- 7. Procedure: Equipment required will be: Backhoe, Excavator, Dump Trucks
  - Daily Tail gate safety meetings and PPE check
  - Excavation Safety Checklist Form
  - Excavate visibly contaminated soil and stockpile
  - Haul stockpiled soil to NMOCD approved facility
  - Conduct field VOC headspace analyses on selected samples
  - Collect Composite Sample of the selected areas for laboratory analysis
  - Review data and determine "Depth to Ground Water"
  - Backfill excavations with volume consistent with disposal volume
  - Photograph
  - Develop and issue site specific report
  - Reseed surface



#### 2 WORK PLAN IMPLEMENTATION AND CLOSURE

The process of excavating and disposing of contaminated soil and field surveying began on June 7, 2001 with the disposal and backfilling phase completed on June 20, 2001.

#### 2.1 Excavation and Composite Sampling

The E.O.T.T. pipelines traversing the site were in use during the project. The excavation span required that a pedestal of soil be left in place as a pipeline support while the north and south portions of the contamination was removed. The column was removed and disposed of only after the remedial goals had be achieved and the north and south sections had backfilled and capable of supporting the pipe. On June 6<sup>th</sup> and again on June 11<sup>th</sup>, composite samples of the sidewalls and bottom were collected and ascensioned to Cardinal Laboratories in Hobbs, New Mexico for analysis.

#### 2.2 Discussion of Data

The June 11<sup>th</sup> results indicated achievement of the NMOCD remedial goals. The original laboratory analytical reports and data summary are included as Attachment III. Data Charts are provided below.

#### 2.2.1 Bottom Composite Sample

TPH is 32.5 mg/Kg and is < the NMOCD 100 mg/Kg remedial goal. Benzene is not detectable and BTEX shows only a nominal detection for Toluene, both well below the respective remedial goals of 10 and 50 mg/Kg. The soil chloride concentration at this interval is 295 mg/Kg.

#### 2.2.2 North Side Wall Composite Sample

TPH is <10 mg/Kg and is < the NMOCD 100 mg/Kg remedial goal. Benzene is not detectable and BTEX shows only a nominal detection for Toluene, both well below the respective remedial goals of 10 and 50 mg/Kg. The soil chloride at this location is 124 mg/Kg.

#### 2.2.3 South Side Wall Composite Sample

TPH is <10 mg/Kg and is < the NMOCD 100 mg/Kg remedial goal. Benzene is not detectable and BTEX shows only a nominal detection for Toluene, both well below the respective remedial goals of 10 and 50 mg/Kg. The soil chloride at this location is 62 mg/Kg.

#### 2.2.4 East Side Wall Composite Sample

TPH is 34.7 mg/Kg and is < the NMOCD 100 mg/Kg remedial goal. Benzene is not detectable and BTEX shows only a nominal detection for Toluene, both well below the respective remedial goals of 10 and 50 mg/Kg. The soil chloride at this location is 746 mg/Kg.

#### 2.2.5 West Side Wall Composite Sample

The Gasoline Range Organics (GRO) were not detected above 50 mg/Kg and the Diesel Range Organics (DRO) at 142 mg/Kg. If the GRO value of 50 mg/Kg is considered to be "de-minimus" and added to the DRO value the TPH is 192 mg/Kg. Even though this value is above the 100 mg/Kg NMOCD remedial goal it does not pose a legitimate risk to the environment. The soil chloride at this location is 699 mg/Kg.

### Data Illustrations



CHEVRON USA HUGH #12 FLOW LINE TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS

> CHEVRON USA HUGH #12 FLOW LINE SITE SOIL CHLORIDE CONCENTRATIONS



#### 2.3 Soil Disposal and Backfilling

942 yd<sup>3</sup> were disposed of at the NMOCD approved Rhino Environmental Facility. A similar volume of clean backfill was used to bring the excavation to grade and purchased from Sims/Kennann, the landowner.

#### 2.4 Conclusion

Production fluid contamination at this site resulted in hydrocarbon contamination above the NMOCD remedial guidelines. The data support the conclusion that the site has been remediated to acceptable levels for the hydrocarbon CoCs and as such justifies seeking a "no further action" declaration from the NMOCD.

#### 2.5 Follow Up

The site will be reseeded with native grasses at a time amenable to germination.

🖾 Chevron

### Attachment I: Site Map

7



HUGH #12 FLOW LINE

œ



HUGH #12 FLOW LINE

6

New Mexico Office of the State Engineer

Township:       22S       Range:       37E       Sections:       11.12.13.14.15.22.23.24         NAD27       X:       Y:       Zone:       Search Radius:         County:       Basin:       Number:       Suffix:         Owner Name:       (First)       (Last)       C Non-Domestic C Dom         @ All       Well Data Report       Avg Depth to Water Report       Water Column Report         Clear Form       WATERS Menu       Help         AVERAGE DEPTH OF WATER REPORT 06/30/2001       (Depth Water in Feet)         on Tws Rng Sec Zone       X       X Wells       Min         Max       Avg         o Records found, try again       Seconds found, try again       Seconds found, try again	New	Well Reports ar	the State Engineer	r	
County: Basin: Number: Suffix: Owner Name: (First) (Last) C Non-Domestic C Dom @ All Well Data Report Avg Depth to Water Report Water Column Report Clear Form WATERS Menu Help AVERAGE DEPTH OF WATER REPORT 06/30/2001 (Depth Water in Feet) n Tws Rng Sec Zone X Y Wells Min Max Avg	ownship: 228 Ra	inge: 37E Sect	ions: 11,12,13,14,15	5,,22,23,24	
Owner Name: (First)       (Last)       C Non-Domestic C Dom         @ All       @ All         Well Data Report       Avg Depth to Water Report       Water Column Report         Clear Form       WATERS Menu       Help         AVERAGE DEPTH OF WATER REPORT 06/30/2001       (Depth Water in Feet)         n       Tws       Rng Sec       Zone         X       Y       Wells       Min	D27 X: Y	Zon	e: Sea	rch Radius:	1
Image: Barrier Stress       Avg Depth to Water Report       Water Column Report         Well Data Report       Avg Depth to Water Report       Water Column Report         Clear Form       WATERS Menu       Help         Average Depth of Water Report 06/30/2001       (Depth Water in Feet)         n Tws Rng Sec Zone       X       Y Wells	- Basin	1:	• Number:	Suffix:	
Clear Form WATERS Menu Help AVERAGE DEPTH OF WATER REPORT 06/30/2001 (Depth Water in Feet) n Tws Rng Sec Zone X Y Wells Min Max Avg	e: (First)		- the electrone sector and the sector and	lon-Domestic C D	omestic
AVERAGE DEPTH OF WATER REPORT 06/30/2001 (Depth Water in Feet) n Tws Rng Sec Zone X Y Wells Min Max Avg	Data Report	Avg Depth to Wate	er Report	Water Column Repo	irt
(Depth Water in Feet) on Tws Rng Sec Zone X Y Wells Min Max Avg	Clea	ar Form WA	TERS Menu He	elp	
	.ound, cry again		3		

6. . P

- . .

0.00

http://www.seo.state.nm.us/awdProd/awd.html?email\_address=enviplus1@aol.com&tws=2... 6/30/2001

🖾 Chevron

## Attachment II: Photographs

### e anavian





Chevron Hugh #12 Flow Line Final Contour

### Attachment III: Analyses

۰.	
-	_
P	
16	9.99.0
15	
12	SBL.
ĽΞ	
-	

ľ

L

				-	Che	Chevron USA	USA							
				rugn A	17 LION	v Line	Data :	rugn #12 riow Line Data Summary						
Sample Description	Date	Sampling Interval	SAMPLE ID#	VOC <sup>4</sup> · Headspace	Chloride	TPH (GRO) <sup>5</sup> (	TPH (DRO) <sup>6</sup>	TPH TPH TPH TPH (DRO) <sup>5</sup> (DRO) <sup>6</sup> (DRO+GRO)	ТРН <sup>3</sup> 418.1	BTEX <sup>7</sup>	Benzene	Toluene	Ethył Benzene	Total Xylene
		bgs <sup>1</sup>		bbm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Bottom Hole Composite	06/07/01	8	CHS60701BH	62.5	1240	50	1660	1710	na	0.055	0.005	0.013	0.005	0.032
Bottom Hole Composite	0/11/90	15	CHS61101BH-15'	na	295	na	na	na	32.5	0.031	0.005	0.006	0.005	0.015
East Side Wall Composite	06/07/01	na	CHS60701ESW	20.0	1170	50	309	359	na	0.036	0.005	0.011	0.005	0.015
East Side Wall Composite	06/11/01	na	CHS61101ESW	na	746	na	na	na	34.7	0.032	0.005	0.007	0.005	0.015
North Side Wall Composit	06/07/01	na	CHS60701NSW	50.0	746	20	1290	1340	na	0.035	0.005	0.007	0.005	0.018
North Side Wall Composite	06/11/01	na	CHS61101NSW	na	124	na	na	B	10	0.031	0.005	0.006	0.005	0.015
South Side Wall Composite	06/07/01	ua	CHS60701SSW	88.0	1650	50	805	855	na	0.033	0.005	0.008	0.005	0.015
South Side Wall Composite	0(/11/01	Ba	CHS61101SSW	na	62	na	na	na	10	0.032	0.005	0.007	0.005	0.015
West Side Wall Composite	06/07/01	па	CHS60701WSW	9.5	669	50	142	192	na	0.032	0.005	0.007	0.005	0.015
<sup>11</sup> bgs - feet below ground surface	urface													
<sup>2</sup> Italicized values are < the instrument detection limit.	nstrument dete	ction limit.												
<sup>3</sup> TPH - Total Petroleum Hydrocarbon	ydrocarbon													
<sup>4</sup> VOC - Volatile Orgainc Constituents/Contaminants	onstituents/C	ontaminants												
ہ : :	1													

<sup>5</sup>GRO - Gasoline Range Organics (C<sub>6</sub>-C<sub>12</sub>) <sup>6</sup>DRO - Diesel Range Organics (C<sub>12</sub>-C<sub>38</sub>) <sup>7</sup>BTEX - The sum of Benzene, Toluene, Ethyl Benzene, and Xylene. Values reported below the instrument detection limit are considered "de-minimus" and are included in the sum.



PHONE (915) 673-7001 . 2111 BEECHWOOD . ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 **EUNICE, NM 88231** FAX TO: (505) 394-2601

Receiving Date: 06/11/01 Reporting Date: 06/13/01 Project Number: NOT GIVEN Project Name: HUGH Project Location: NOT GIVEN Sampling Date: 06/11/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/AH

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	Cl* (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DA	TE:	06/12/01	06/12/01	06/12/01	06/12/01	06/12/01	06/12/01
H5919-1	CHS61101BH 15'	32.5	295	<0.005	0.006	< 0.005	< 0.015
H5919-2	CHS61101NSW	<10	124	<0.005	0.006	< 0.005	<0.015
H5919-3	CHS61101SSW	<10	62	<0.005	0.007	<0.005	<0.015
H5919-4	CHS61101ESW	34.7	746	<0.005	0.007	<0.005	<0.015
	1						
Quality Control		240	971	0.108	0.102	0.105	0.301
True Value QC		240	1000	0.100	0.100	0.100	0.300
% Recovery	1	100	97.1	108	102	105	100
<b>Relative Percer</b>	t Difference	7.2	2.1	0.9	1.0	2.9	0.39

METHODS:

TRPHC-EPA 600/4-79-020 418.1;CI-Std. Methods 4500-CI'B; BTEX-EPA SW-846 8260 \*Analyses performed on 1:4 w:v aqueous extracts.

Burgess J. A. Cooke. Ph. D

13/31

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All client locking locking those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits included by client, its subsciences. affiliates or successors ansing out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise

М. (лу.) ДАЛЛ         Р.О. в. (	ompany Name:	· Chevan								BILL 1	2					A	ANAI YSIS		REDIFEST	DI FST	+   5		
на         Сопенний	roject Manage	~		İ				0		10,					F	╎┝	iŀ			╞┝			
8.16:         Бала:         Сала         Сала         Сала         Сала           1.1	ddress:							d Lo	Ë														
Factor     Calibration     Calibration       Palatic     Palatic     Calibration       Built     Palatic     Calibration       Built     Palatic     Palatic       Palatic     Palatic       Palati <th< td=""><td>:<b>A</b>:</td><td>State:</td><td>- Złp:</td><td></td><td></td><td>-</td><td>:</td><td>Ë</td><td></td><td></td><td></td><td>-</td><td></td><td>Ĩ</td><td></td><td></td><td>:</td><td>, ,</td><td>1 1</td><td>•</td><td></td><td>:</td><td></td></th<>	: <b>A</b> :	State:	- Złp:			-	:	Ë				-		Ĩ			:	, ,	1 1	•		:	
Ровет Олиен         Сп.         С.	hone #:	Fax #:						bdr	ÿ													-	
Нист. Вон.         Ремонь         Зам. н.м.         Зам. н.м.         Ремонь         Ремонь         Ремонь         Зам. н.м.         Ремонь         Ремонь         Ремонь         Ви         Ви         С. (15% Lib) (15, 15, 10)         Ви         С. (15% Lib) (15, 10)         Ви         С. (15% Lib) (15, 15, 10)         Ви         Ви         С. (15% Lib) (15, 15, 10)         Ви         С. (15% Lib) (15, 15, 10)         Ви         Ви         С. (15% Lib) (15, 15, 10)         Ви         Ви         Ви         С. (15% Lib) (15, 15, 10)         Ви	roject #:		e				3	.∺ ¥															
Рессе:         Рессе:         Рессе:           В:         С.Н.С.В. (101 с.S.U.)         С.Н.С.В. (101 с.S.U.)         С.Н.С.В. (101 с.S.U.)           В:         С.Н.С.В. (101 с.S.U.)         С.Н.С.В. (101 с.S.U.)         С.Н.С.В. (101 с.S.U.)           В:         С.Н.С.В. (101 с.S.U.)         С.Н.С.В. (101 с.S.U.)         С.Н.С.В. (101 с.S.U.)           В:         С.Н.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)           В:         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)           С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)           С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)           С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (102 с.U.)         С.П.С.В. (102 с.U.)           С.П.С.В. (101 с.S.U.)         С.П.С.В. (101 с.S.U.)         С.П.С.В. (102 с.U.)         П.В. (102 с.U.)           П.В. (11.С.В. (11.S.U.)         С.П.С.В. (11.C.)         П.В. (11.C.)         П.В. (11.C.)           П.В. (11.С.В. (11.S.U.)         С.П.С.В. (11.C.)         П.В. (11.C.)         П.В. (11.C.)           П.В. (11.C.)         П.В. (11.C.)         П.В. (11.C.)         П.В. (11.C.)         П.В. (11.C.) <tr< td=""><td>roject Name:</td><td>Hugh</td><td></td><td></td><td></td><td></td><td></td><td>, iii</td><td> </td><td>ă Z</td><td></td><td>Γ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	roject Name:	Hugh						, iii		ă Z		Γ											
Free     Free       Sample LJ.     Sample LJ.       Sample LJ.     Child Link       Sample LJ.     C	roject Locatio												<u>چ ا</u>						_	<u>.</u>			
Sample LD         Sample LD           Sample LD         Sample LD           CH5/BILOI BH 151         CH5/BILOI BH 151           CH5/BILOI BH 151         CH6/BILOI BH 151           CH7/BILOI BH 151         CH0/BILOI BH 15	ampler Name:												31-										
Sample LD.         Sample LD.           Sample LD.         CH5 billor (3H 15')         CH5 billor (3H 15')           CH5 billor (3H 15')         CH5 billor (3H 15')         CH5 billor (3H 15')           CH5 billor (3H 15')         CH5 billor (3H 15')         CH5 billor (3H 15')           CH5 billor (3H 15')         CH5 billor (3H 15')         CH5 billor (3H 15')           CH5 billor (3H 15')         CH5 billor (3H 15')         CH5 billor (3H 15')           CH5 billor (3H 15')         CH5 billor (3H 15')         CH5 billor (3H 15')           CH5 billor (3H 15')         CH 15' CH5 billor (3H 15')         CH5 billor (3H 15')           CH3 billor (55) LU         CH5 billor (3H 15')         CH5 billor (3H 15')           CH4 billor (25) LU         CH5 billor (3H 15')         CH5 billor (3H 15')           CH4 billor (25) LU         CH5 billor (3H 15')         CH5 billor (3H 15')           CH4 billor (25) LU         CH4 billor (25) LU         CH6 billor (25) LU           D1 billor (25) LU         CH4 billor (25) LU         CH6 billor (25) LU           D1 billor (25) LU         CH4 billor (25) LU         CH6 billor (25) LU           D1 billor (25) LU         CH4 billor (25) LU         CH6 billor (25) LU           D1 billor (25) LU         CH7 billor (25) LU         CH6 billor (25) LU           D1 billor (25) LU <td>FOR LAB LIKE ONLY</td> <td></td> <td></td> <td>μ</td> <td></td> <td>ATRU</td> <td>1</td> <td>Ř</td> <td>ESER.</td> <td></td> <td>NPLING</td> <td>Γ</td> <td>ゥ</td> <td></td>	FOR LAB LIKE ONLY			μ		ATRU	1	Ř	ESER.		NPLING	Γ	ゥ										
Настина         Партиан         Партиан         Партиан         Партиан           1500         100         100         100         100         100         100           1500         100         100         100         100         100         100         100           1500         100         100         100         100         100         100         100         100           1500         100		-	(C)OMP.							l			8105	. <u></u>	ЭJ2								
CH5 billo1 (bill 5)       VI       V       V       billo1       A       V       V       billo1       A       V       V       billo1       A       V	La0 I.U.	Sample L.D.	ମଠ <b>ଅ</b> ^ମ(ତ)				BLUDGE				;	u A	Hdl	X718	Chlori		£						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	H5919-1	11	Z	and the owner where the		-				12	199	¥.	7	1	卞	$\uparrow$		╉	╀	╇	1		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	q	CHSGIIOINSW	2	(		7			2	9.11-9	1	ß	1	1	1		┢	┢	╀	+			-
C(H50/16)[55U)     V     V     I     V     6/1/-0[     3'20     -     -       C(H50/16)[55U)     V     I     V     6/1/-0[     3'20     -     -     -       C(H50/16)[55U)     V     I     V     6/1/-0[     3'20     -     -     -       C(H50/16)[55U)     V     I     V     6/1/-0[     3'20     -     -     -       C(H50/16)[55U)     V     I     V     6/1/-0[     3'20     -     -     -       C(H50/16)[55U)     V     V     I     V     6/1/-0[     3'20     -     -       C(H50/16)[55U)     V     V     I     I     V     I     I     I       C(H50/16)[55U)     V     V     I     I     I     I     I     I       C(H50/16)[55U)     V     V     I     I     I     I     I     I       C(H50/16)[55U)     V     V     I     I     I     I     I     I       C(H50/16)[55U)     V     V     V     I     I     I     I     I       D(D     V     V     V     V     V     I     I     I       D(D     V <t< td=""><td>~</td><td>cH56110155W</td><td>7</td><td></td><td></td><td>2</td><td></td><td></td><td>5</td><td>1-1-9</td><td></td><td>Ň</td><td>7</td><td>7</td><td>7</td><td>+</td><td>-</td><td>+</td><td>┿</td><td></td><td></td><td></td><td></td></t<>	~	cH56110155W	7			2			5	1-1-9		Ň	7	7	7	+	-	+	┿				
Market of the contract of the	4 1	CH36110185W			$\neg$	7			7	-11-9	~	02.	1	1	1		+						
District Construction     District Construction     District Construction       Construction     District Construction     District Construction       Circle One     District Construction     District Construction       Bis - Other     District Construction     District Construction				+	$\neg$	-+												$\left  \right $			.		_
Production     Production       Production <td></td> <td></td> <td>1</td> <td>┿</td> <td>T</td> <td>-+</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td><u> </u>.</td>			1	┿	T	-+					-												<u> </u> .
Normalize     Date:     Date::     Date:     Date:     Date:				┿	$\top$	+	$\pm$	-			-	T				+							
Normalize     Normalize       All     Date:				+	F	+		$\square$					T			+					_		
Monte interviewei     Date     Date <thd< td=""><td></td><td></td><td></td><td>┝─┨</td><td></td><td><math>\left  - \right </math></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><math>\uparrow</math></td><td></td><td>+</td><td>+-</td><td>+-</td><td>┿</td><td>+</td><td></td><td></td><td></td></thd<>				┝─┨		$\left  - \right $								$\uparrow$		+	+-	+-	┿	+			
Bus - Other:     Date:     Local value     Date:     Local Phone By:       Cord     Tag:     Add Phone By:     Fax Result:     DYes     DNo       Add     Tag:     Add Phone By:     Fax Result:     DYes     DNo       Add     Tag:     Add Phone By:     Fax Result:     DYes     DNo       Add     Tag:     Add Phone By:     Fax Result:     DYes     DNo       Add     Date:     Add Phone By:     Lab     Add Phone F.       Result:     Date:     Add Phone By:     Result:     DYes       Add     Date:     Add Phone By:     Add Phone F.       Result:     Inne:     Add Phone By:     Add Phone F.				H	H	ļį	Ĭ	6 2		ļļ	i ł		].	1		1							
Docusion     Entrementation     Home	ampler Relinq	where to be performance of an data farmer.														- I	8				į		
Circle One) Use: 1.20/ Repaired By: (Lab Start) (Circle One) Time: 200 MM JA Col Bus - Other: Cool Mact	A de	20000 15:5	<b>V</b>	, X		Ŵĥ						MARKS				11		20 X					
: (Circle One)    u/W   (14 / 14 / 14 / 14 / 14 / 14 / 14 / 14	Cals II					4a )	Start		2		[												
· Bus · Other:	Delivered By	/: (Circle One)		₹—	Ye S				215 215 215 2	KED BY													
	ampiler - UPS	- Bus			ØC	یالے 2 کی																	

written changes to 505-393-2476. ă

•



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO:

Receiving Date: 06/07/01 Reporting Date: 06/11/01 Project Owner: RICK MASSEY Project Name: HUGH Project Location: NOT GIVEN

**Quality Control** 

True Value QC

**Relative Percent Difference** 

% Recovery

Sampling Date: 06/07/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/HM

DRO

833

800

104

7.7

991

1000

99.1

2.0

CI\*  $(C_6 - C_{10})$  $(>C_{10}-C_{28})$ LAB NUMBER SAMPLE ID (ma/Ka) (ma/Ka) (ma/Ka) **ANALYSIS DATE** 06/09/01 06/09/01 06/08/01 H5913-1 CHS60701SSW <50 805 1650 H5913-2 **CHS60701ESW** <50 309 1170 H5913-3 1290 **CHS60701NSW** <50 746 H5913-4 CHS60701WSW <50 142 699 H5913-5 <50 1660 1240 CHS60701BH

GRO

719

800

89.9

0.1

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI B \*Analyses performed on 1:4 w:v aqueous extracts.

Chemist Chemist

6/11/01

Date

#### H5913A.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 . 2111 BEECHWOOD . ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO:

Receiving Date: 06/07/01 Reporting Date: 06/11/01 Project Owner: RICK MASSEY Project Name: HUGH Project Location: NOT GIVEN Sampling Date: 06/07/01 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

			TOLUENE	ETHYL BENZENE	TOTAL XYLENES
		BENZENE			
LAB NO.	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS I	DATE	06/08/01	06/08/01	06/08/01	06/08/01
H5913-1	CHS60701SSW	<0.005	0.008	<0.005	<0.015
H5913-2	CHS60701ESW	<0.005	0.011	<0.005	<0.015
H5913-3	CHS60701NSW	<0.005	0.007	<0.005	0.018
H5913-4	CHS60701WSW	< 0.005	0.007	< 0.005	<0.015
H5913-5	CHS60701BH	<0.005	0.013	<0.005	0.032
				·	
<b>Quality Cont</b>	rol	0.107	0.100	0.102	0.289
True Value (	2C	0.100	0.100	0.100	0.300
% Recovery		107	100	102	96.4
<b>Relative</b> Per	cent Difference	0.4	4.5	2.7	3.1

METHOD: EPA SW-846 8260

( cooh

11/0

#### H5913B.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Phone F. 394 - 364 Project the function for the former former for the former former former for the former former former for the former	TAL PLUS TAL PLUS State: NMA State: NMA	НИС Сопрактея НИС НИС НИС Сопрактея НИС Сопрактея ВИL ТО ВИL ТО ВИ ВИL ТО ВИL ТО ВИL ТО ВИL ТО ВИ ВИ ВИ ВИ ВИ ВИ ВИ ВИ ВИ ВИ	RILLTO BILLTO BILLTO BLLMCONAL BLLMCONAL CEPT SEE CEPT ZIP: ZIP: ZIP: ZIP: ZIP: ZIP: ZIP: ZIP:	S > pr 1 of 4 > 1 ] ] ] ] ]     S > pr 1 of 4 > 1 ] ] ] ]     S > 2 = 1 of 4 > 1 ] ] ] ] ]     S > 2 = 1 of 4 > 1 ] ] ] ] ]     S > 2 = 1 of 4 > 1 ] ] ] ] ]     S > 2 = 1 of 4 > 1 ] ] ] ] ]     S > 2 = 1 of 4 > 1 ] ] ] ] ]	ANALYSIS REQUEST
Sampler Radinguished: Sampler Radinguished: Relinquished By: Cod., Million Deliyered By: (Circle One) Sampler - UPS - Bus - Other:	7-01 Received By: 7-01 Received By: (Lab Stan) 7-01 Received By: (Lab Stan) 7-01 Received By: (Lab Stan)	CHECKED BY	Home Result	TO P. MC	Add Phone F. Add Phone F. Add Tex G.

Chevron  $\langle \rangle$ 

### Attachment IV: Site Metrics and Information Form

I.

## Attachment V: Chevron Digging Permit

ſ

	· • •					
		47				
~~~		25 N	1.77	47		
					-	

#### CHEVRON U.S.A. INC. WEST ASSET TEAM / DIGGING PERMIT PERMIT FOR DIGGING, TRENCHING, OR EXCAVATING WITH ANY TYPE OF POWERED TOOL OR MECHANIZED EQUIPMENT

Supervisor: ROGER BOONE EPIL	Date Authorized: JUNE 6 2001
Field Location: HUGG LEASE USY 5/14 TTZ:	5 8376
Type Work: Excurate On tan nater 501 Place 0	N DIASTIC LOAD AND MAUL to
Rhino LAND FAIM	
Specific Restrictions:	
Other	

Mechanical digging equipment should not be used within 12" of an underground line.

#### PERMIT REQUIREMENTS:

Basic Precautions:	Yes	Na	N/A
1. Has an underground line map been reviewed? Piping plan must be used when work is performed within a facility.			<u> </u>
2. Has the person operating the digging equipment isolated the energy source and performed LOTO?			~
If electrical energy source cannot be accurately located, utilize electrical contractor with electric line locating equipment.			
3. Have digging operations been discussed w/ an employee familiar with the area?	$\checkmark$		
4. Has a metal detecting line finder been used in the area to be excavated?	$\checkmark$		
5. Are there any line markers near the excavation area?	<u> </u>	<u></u>	
6. Is there a visible right-of-way where the digging will be done?	<u> </u>		<u> </u>
7. Are there special concerns with any equipment, i.e., tank batteries, satellites, wells, buildings, power poles, etc., within 150' of the excavation area?	~		
8. Are there special concerns with overhead power lines within 100' of the excavation?	<u></u>	<u>_</u>	
9. Will digging exceed 16" in depth? If yes, see Special Precaution below.			
10. Have you discussed the importance of not creating a spill and what to do if one occurs?	$\checkmark$		

If contact with a line results in a release of oil and or produced water contact Chevron Representative at Emergency Phone # listed below immediately.

#### **Special Precaution:**

If work is to be performed within a 3<sup>rd</sup> party right-of-way, location near a populated area, designated area, or if underground utilities are in the vicinity then 1-800-545-6005 (TX) or 1-800 321-2537 (NM) (One-Call Notification) MUST be made 48 hours in advance of any excavation work.

1.	Has One-Call Notification been called?	YES	Date of call:	JONEATH	Time of call:	11:48 Am
----	----------------------------------------	-----	---------------	---------	---------------	----------

2. Permitted start date and time: JUNE 6 11:30 nm Estimated duration of job:

3. One-Call Notification confirmation # \_ 2001230445

### THIS PERMIT MUST BE COMPLETED PRIOR TO MECHANICAL DIGGING AND AVAILABLE FOR REVIEW AT THE WORKSITE.

If contact is made with an underground line or cable, this permit will be attached to the accident report, otherwise, it should be attached to the work ticket.

Chevron Representative / Emergency Phone #

Contractor

Date

REV:SED 02:05/01 District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505 Energy Minerals and Natural Resources

Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

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

Release Notification and Corrective Action OPERATOR Initial Report						
Name 🔥	Contact	Initial Report Final Report				
Address	Telephone No.	Nouser				
P.D. Box 1949, EUNICE, MM	(505) 344-	1247				
Facility Name HUCH WELL NO. 12	Facility Type PRODUCTION FL	DWLINE				
Surface Owner Tom & W. W. Z REENIN EIN G	mm	Lease No.				
LOCATION		30025257390000				
		West Line County				
H 14 22.5 37E 2310 N	lorth <u>330</u> E	East LEA				
NATURE O	FRELEASE					
Type of Release	Volume of Release 20 (10 Bo e 10 B	Volume Recovered				
Source of Release PARTED FLOWLINE	Date and Hour of Occurrence	Date and Hour of Discovery				
Was Immediate Notice Given?	05/19/01 9:00 am If YES, To Whom?	05/19/01, 12:00 pm				
Yes     No     Not Required	Data and Havin					
· · ·	Date and Hour					
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.					
If a Watercourse was Impacted, Describe Fully.*						
Describe Cause of Problem and Remedial Action Taken.*	+ hannan land	1.2.11 01 100				
Broken Threads on 4" flowline at hammer Union; Well Shut In, 5/21/01 Worn threads cut to good pipe, rethreaded & installed new nipple & Union						
Describe Area Affected and Cleanup Action Taken.*						
Describe Area Affected and Cleanup Action Taken.* Sandy Pasture; Vocurum Truck Dispotched to area, approximately 3 Bbls BSEW recovered & 2 Bbls oil; SOILS PUSHED UP, Area will be remediated to OCD Levels						
S Dbls DSet recovered & 2 Bbls oil; Soils Fushed Up, Area will be						
Describe General Conditions Prevailing (Temperature, Precipitation	n, etc.)* Disposed of G	142 vd of soil in				
Describe General Conditions Prevailing (Temperature, Precipitation, etc.)* Disposed of 942 yd of soil in the Rhino Env. Land Farm,						
	Att acheal repur	+ Documents Remediation				
I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		ATION DIVISION				
Signature: Brende K. (Park.)						
Printed Name:	Approved by District Supervisory					
Title: FIELD SPECIALIST	District Supervisor: Approval Date:	Expiration Date:				
D	Conditions of Approval:	Attached				
* Attach Additional Sheets If Necessary	<u> </u>					

Attach Additional Sheets If Necessary

1			·		
	S	ite Met	rics and Information	Form	
SITE: Chevre	on Hugh #12	Flow Lin	e Assigned Site Ref	erence #:	
Company: C	hevron USA		8		
Company Str	eet Address:	2401 Ave	nue O	· · · · · · · · · · · · · · · · · · ·	
Company Ma					
			, New Mexico		
Company Re					
Company Re	presentative	Telephon	e: 505.390.7188		
Company Te	lenhone: 50	5.394.123	7 Fax:	· · · · · · · · · · · · · · · · · · ·	
			with 5 recovered		
				t form C-141 within 15 days.	
-25 0013 .	(Also and	blies to m	nauthorized releases >500 m	of Natural Gas)	
5-25 bbls: Su	bmit form C-14	11 within 1	5 days (Also applies to unauthor	cf Natural Gas) rized releases of 50-500 mcf Natural	
·			Gas)		
Leak, Spill, (	or Pit (LSP)	Name: H	ugh #12 Flow Line		
Source of co					
			Other: Sims/Kennann		
		l area leal	x origin pooling area = 40' x	20' Flow path =	
LSP Area = -					
Location of					
Location dis			om RP:		
Latitude: 32					
Longitude:					
Elevation ab			3450 amsl		
Feet from So	uth Section	Line			
Feet from W	est Section I	ine .			
Location - Ur	nit or ¼¼ = N	IE¼		· · · · · · · · · · · · · · · · · · ·	
Location - Se	ction = 14				
Location - To		S	· · ·		
Location - Ra	nge = 37E				
			radius of site: None		
			radius of site: None		
Agricultural	water wells	within 10	00' radius of site: None		
			000' radius of site: None		
			water (DG): -60'bgs		
Depth of cor					
Depth to gro	ound water (1	DG – DC	= Calculated Depth to GW)	45'bgs	
1. Grour	nd Water	2. W	ellhead Protection Area	3. Distance to Surface Water Body	
If Depth to feet: 20 poin			from water source,	<200 horizontal feet: 20 points	
If Death to CW 50 to 01;2200 from priv		from private domestic	200-100 horizontal feet: 10		
99 feet: 10 points water sou		urce: 20 points	points		
	· · · · · · · · · · · · · · · · · · ·	If >1000	from water source, or;		
11 Depth to Gw >100   >200' from private domestic water		>1000 horizontal feet: 0 points			
Ground water Score = 20 Wellhead Prote		d Protection Area Score= 0	Surface Water Score= 0		
		20 points			
Site Rank (1+2+3) = = 20 points Total Site Ranking Score and Acceptable Concentrations					
Parameter	>19		10-19	0-9	
Benzene	10 pr		10-19 10 ppm		
BTEX	50 pi			<u>10 ppm</u>	
TPH	100 p			<u>50 ppm</u> 5000 ppm	
			asurement may be substitute		
		putt me	at a substitute	v v v iav analysis	

Chevron

÷