



Wescom Inc.
1224 Standpipe Road
Carlsbad, New Mexico 88220

(575) 840-3940
wescominc.com

August 10, 2021

Robert Hamlet, Victoria Venegas, and/or Chad Hensley
State of New Mexico
Energy, Minerals, and Natural Resources
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

Re: Closure Request

Company: Kaiser Francis Oil Company
Location: Bell Lake Unit North 230H
API: 30-025-43033
PLSS: Unit I Sec 06 T23S R34E
GPS: 32.332037, -103.503544
Incident ID: NAPP2119047914

Background

Wescom, Inc., hereafter referred to as Wescom, has prepared this closure request on behalf of Kaiser Francis Oil Company, hereafter referred to as KFOC, regarding the release at the Bell Lake Unit North 230H (Site) located in Unit I, Section 06, Township 23 South and Range 34 East in Lea County, New Mexico. The GPS coordinates are as follows: North 32.332037 and West -103.503544. Surface owner of the site is State Land. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 2 Artesia.

On July 08, 2021, a fire began at the base of the 230H produced water tank. All producing wells on location were immediately shut in. The fire department was notified and extinguished the fire. KFOC estimates the amount of fluid released to be approximately four barrels (bbls) of crude oil and eight bbls of produced water. Free standing fluid was recovered using a vac truck.

Wescom conducted soil sampling on July 13, 2021, and July 14, 2021, to determine the horizontal and vertical extent of the contamination from the 12 bbl spill; excavation of contaminated soils inside the tank battery containment began on July 16, 2021. Confirmation samples were collected upon removal of impacted soils on July 19, 2021. Approximately 36 yards of contaminated soil was removed from the spill area and disposed of at an approved facility.

Surface & Ground Water

The New Mexico Office of the State Engineer (OSE) records indicates nearest ground water measurement in the area is 200 feet below ground surface (bgs) and is 0.48 miles Southeast of the location, shown in

Bell Lake Unit North 230H
NAPP2119047914 – Closure Request



Attachment C. No playas, lakes, ponds, riverines or wetlands are located within a half-mile radius of this site (see Attachment C).

Karst Potential

According to data from the Bureau of Land Management, this Site is located within low karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

Target Remedial Levels

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4)) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. The applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), 2500 ppm Total Petroleum Hydrocarbons (TPH), characterization of vertical and horizontal extent of chloride concentration to a level of 20000 mg/kg (ppm) is also required.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Bell Lake North 230H - 7.08.2021 Spill --32.332521, -103.50312						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride * numerical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
less than 50 ft bgs or no water data within 1/2 mile		600	100		50	10
51 ft to 100 ft		10000	2500	1000	50	10
greater than 100 ft	200	20000	2500	1000	50	10
Surface water	yes or no	If yes, then				
< 300 feet from continuously flowing watercourse or other significant watercourse?	no					
< 200 feet from lakebed, sinkhole or playa lake?	no					
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	no					
< 1000 feet from fresh water well or spring?	no					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	no					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	no					
< 100 feet from wetland?	no					
within area overlying a subsurface mine?	no					
within an unstable area?	no					
within a 100-year floodplain?	no					

Site Assessment & Delineation Activities

Beginning July 13, 2021, KFOC contracted Wescom to conduct soil sampling, to determine the horizontal and vertical extent of the contamination from the 12 bbl spill. Wescom completed delineation on July 14, 2021 as shown in Figure 1. Soil samples one through eight (SS01-SS08) were collected outside of the tank battery containment. Based on the field screening results and analytical data, the spill was contained inside the Northeast corner of the containment.

On July 14, 2021, a total of 21 soil samples were sent to Envirotech, Inc, for laboratory analysis. Delineation sample points are presented in Figure 1; laboratory analysis results are listed in Table 1 and laboratory analytical reports are included in Attachment E. A background sample, BG01, was collected 100 feet to the West of the caliche pad, as shown in Figure 1.

Confirmation Sampling

The required 48-hour confirmation sampling notification was sent on July 15, 2021, to Victoria Venegas, Robert Hamlet, Cristina Eads and Mike Bratcher with the NMOCD in Santa Fe, New Mexico. On July 16, 2021, approximately 36 yards of contaminated soil was removed from the spill area and disposed of at an approved facility. Damaged liner and produced water tanks were removed prior to excavating impacted soil. Confirmation samples were collected following removal of impacted soils on July 19, 2021.

Three confirmation composite samples were obtained on July 19, 2021. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0/9056A. The results are presented in Table 1. Laboratory analytical reports are included in Attachment E. Locations of samples are shown in Figure 2. All samples collected on July 19, 2021, had results below closure criteria levels (Table 1).

Request for Closure

Based on the confirmation sample laboratory data, depth to ground water, the fact this release has been delineated both horizontally and vertically, impacted material has been removed and properly disposed of and the fact this release remained on site, KFOC hereby requests closure for incident number NAPP2119047914. KFOC also requests that no further action be taken at this time.

If you have any questions or comments, please do not hesitate to call Mrs. Ashley Giovengo at (505) 382-1211.

Bell Lake Unit North 230H
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Sincerely,

Wescom, Inc.

Ashley Giovengo
Environmental Manager - Permian

Figures

- Figure 1. Delineation Samples
- Figure 2. Confirmation Areas

Tables

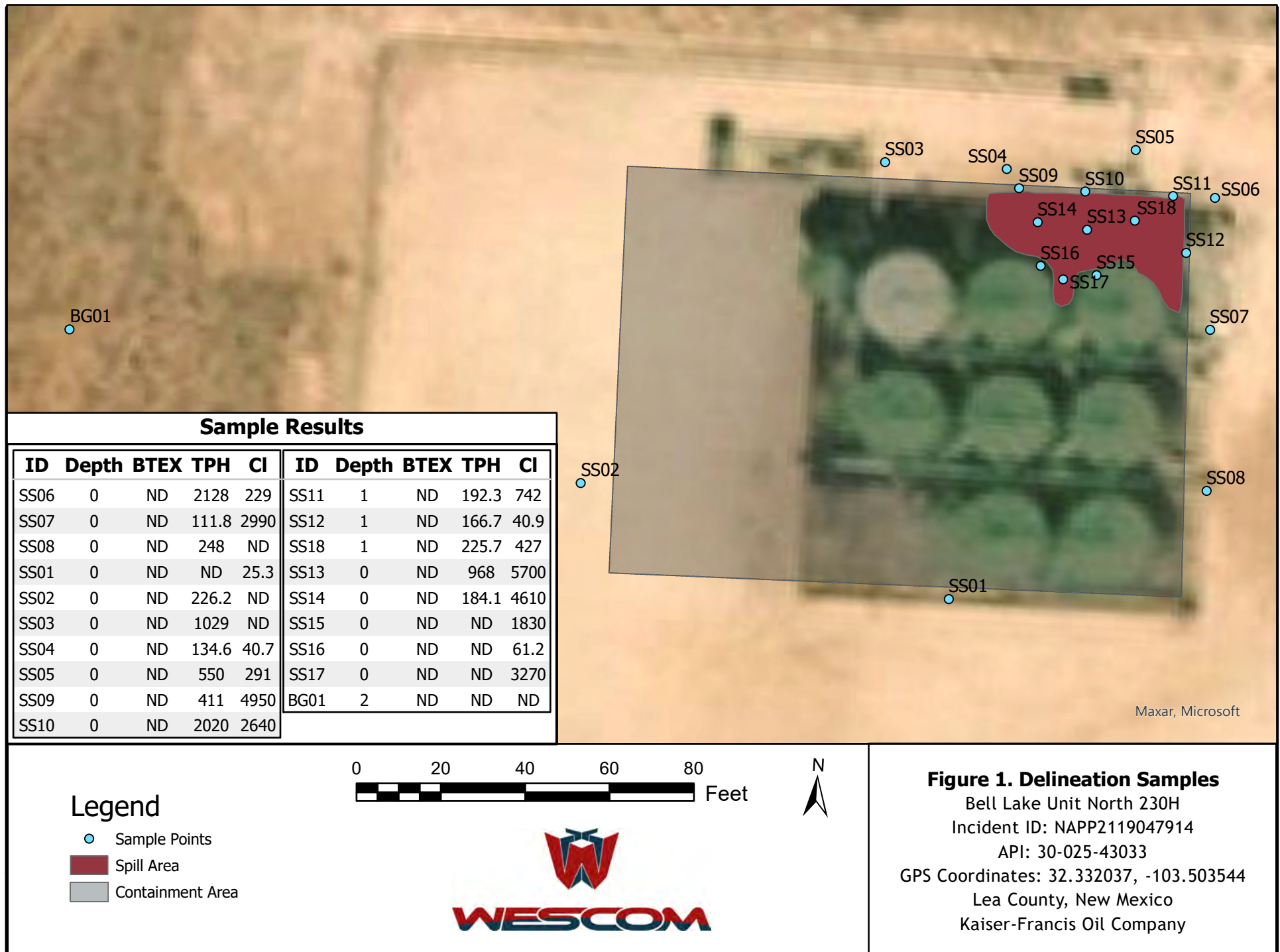
- Table 1. Laboratory Analysis Results

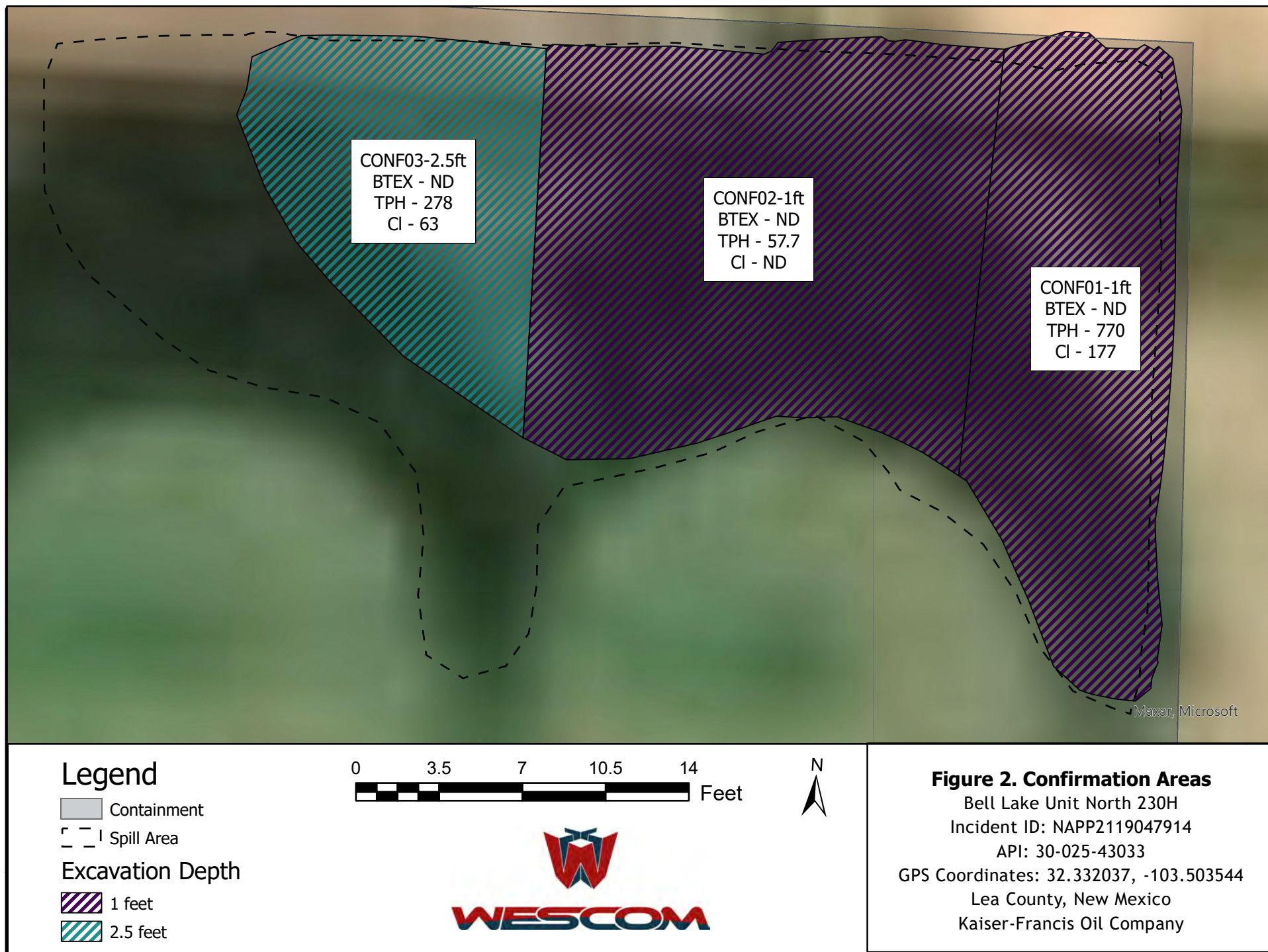
Attachments

- Attachment A. C-141
- Attachment B. Site Photos
- Attachment C. Closure Criteria Research
- Attachment D. Karst Map
- Attachment E. Envirotech, Inc. Laboratory Analysis Reports

Figures







Tables





Bell Lake North 230H - 07.08.2021 Spill Kaiser Franics Oil Company July 15, 2021							
Table 1. Laboratory Analysis Results							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mg/kg)
			Benzene	BTEX (total)	TPH	GRO+DRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Closure Criteria			10	50	2500	1000	20000
BG01	0	7/13/2021	ND	ND	59.9	ND	ND
BG01	2	7/13/2021	ND	ND	ND	ND	ND
BG01	4	7/13/2021	ND	ND	ND	ND	ND
SS01	0	7/13/2021	ND	ND	ND	ND	25.3
SS02	0	7/13/2021	ND	ND	226.2	78.2	ND
SS03	0	7/13/2021	ND	ND	1029	348	ND
SS04	0	7/13/2021	ND	ND	134.6	76.2	40.7
SS05	0	7/13/2021	ND	ND	550	307	291
SS06	0	7/13/2021	ND	ND	2128	698	229
SS07	0	7/13/2021	ND	ND	111.8	35.4	2990
SS08	0	7/13/2021	ND	ND	248	110	ND
SS09	0	7/13/2021	ND	ND	411	239	4950
SS10	0	7/13/2021	ND	ND	2020	1010	2640
SS11	1	7/14/2021	ND	ND	192.3	106	742
SS12	1	7/14/2021	ND	ND	166.7	101	40.9
SS13	0	7/13/2021	ND	ND	968	422	5700
SS14	0	7/13/2021	ND	ND	184.1	36.1	4610
SS15	0	7/13/2021	ND	ND	ND	ND	1830
SS16	0	7/13/2021	ND	ND	ND	ND	61.2
SS17	0	7/13/2021	ND	ND	ND	ND	3270
SS18	1	7/14/2021	ND	ND	225.7	154	427
CONF01	1	7/19/2021	ND	ND	770	497	177
CONF02	1	7/19/2021	ND	ND	57.7	ND	ND
CONF03	2.5	7/19/2021	ND	ND	278	171	63
BTEX - Benzene, Toluene, Ethylene, Xylene DRO - Diesel Range Organics ft. - feet				GRO - Gasoline Range Organics mg/kg - milligrams per kilogram TPH - Total Petroleum Hydrocarbons			
Notes: Red Bold - Results are above Closure Criteria. Gray Highlight - Background samples.							

Attachment A

Signed C-141



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2119047914
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Kaiser-Francis Oil Company	OGRID
Contact Name Charles Lock	Contact Telephone 918-491-4337
Contact email Charlesl@kfoc.net	Incident # (assigned by OCD) NAPP2119047914
Contact mailing address P.O. Box 21468 Tulsa, OK 74121	

Location of Release Source

Latitude 32.332037

Longitude -103.503544

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bell Lake Unit North 230H	Site Type
Date Release Discovered 07/08/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	06	23S	34E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 4 bbl	Volume Recovered (bbls) 4 bbl
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 8 bbl	Volume Recovered (bbls) 8 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release A fire began at the base of the 230H Produced water tank. All producing wells on location were immediately shut in. The fire department was notified and extinguished the fire. The amounts released / lost are uncertain due to the fire. We estimate the numbers to be 4 bbls of crude oil and 8 bbls of produced water. Free standing fluid was recovered by a vac truck. The fire consumed an unknown portion. This incident is under further investigation spill delineation has begun.

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Oil Conservation Division

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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?
Because of the fire.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
OCD was notified by filing an NOR online.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Charles W. Lock Title: EH&S Manager

Signature:  Date: 07/21/2021

email: charlesl@kfoc.net Telephone: 918-491-4337

OCD Only

Received by: _____ Date: _____

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Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	200 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

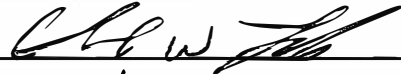
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Charles Lock Title: EH&S Manager
Signature:  Date: 8-2-2021
email: Charles1@KFOC.net Telephone: 918-491-4337

OCD Only

Received by: _____ Date: _____

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Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Charles Lock Title: EHS Manager
Signature: [Signature] Date: 8-2-2021
email: Charles.L@KFOC.net Telephone: 918-491-4337

OCD Only

Received by: Chad Hensley Date: 09/14/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: [Signature] Date: 09/14/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Attachment B

Site Photos



Bell Lake North 327H
Incident ID: NAPP2107457594



South Side of Containment



West Side of Containment

Bell Lake North 327H
Incident ID: NAPP2107457594



East Side of Containment



East Side of Spill

Bell Lake North 327H
Incident ID: NAPP2107457594



North Side of Spill

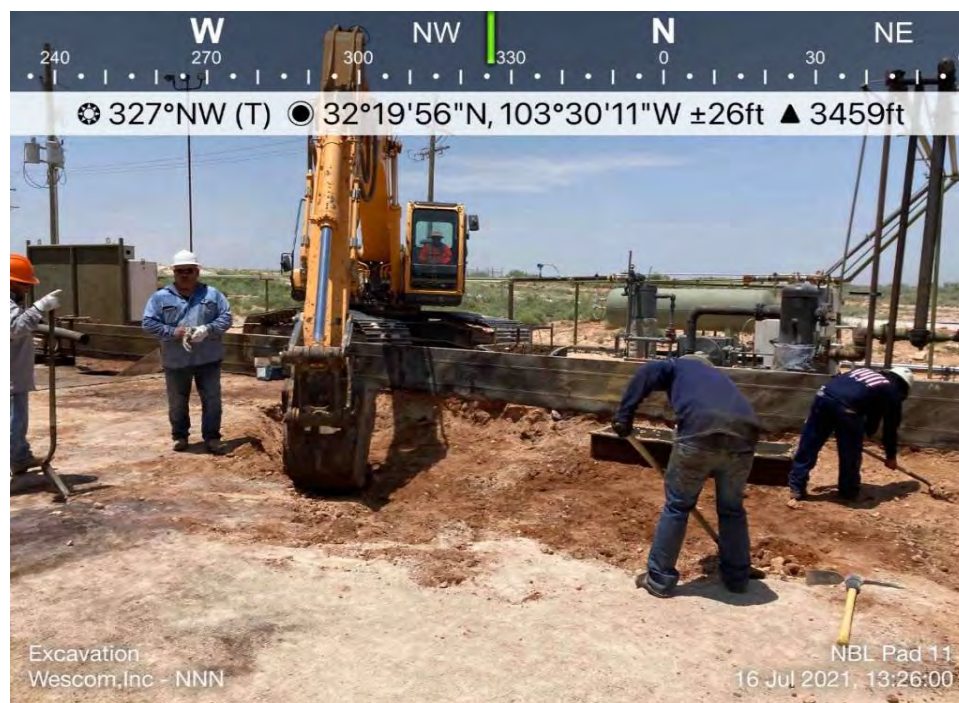


Excavation of Spill Area

Bell Lake North 327H
Incident ID: NAPP2107457594



Excavation of Spill Area



Excavation of Spill Area

Bell Lake North 327H
Incident ID: NAPP2107457594

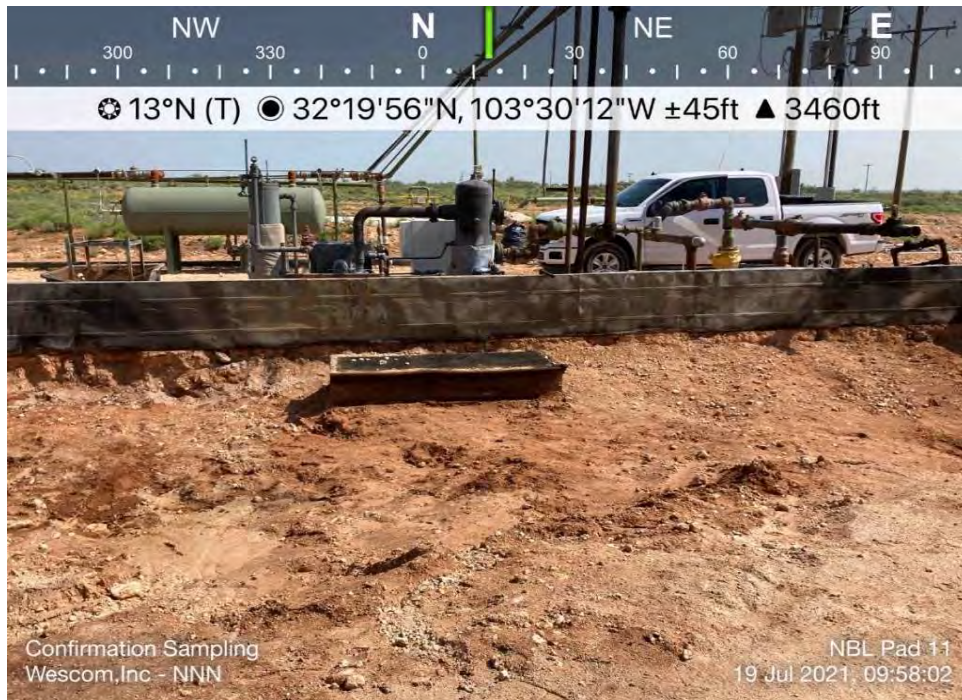


Contaminated Soil

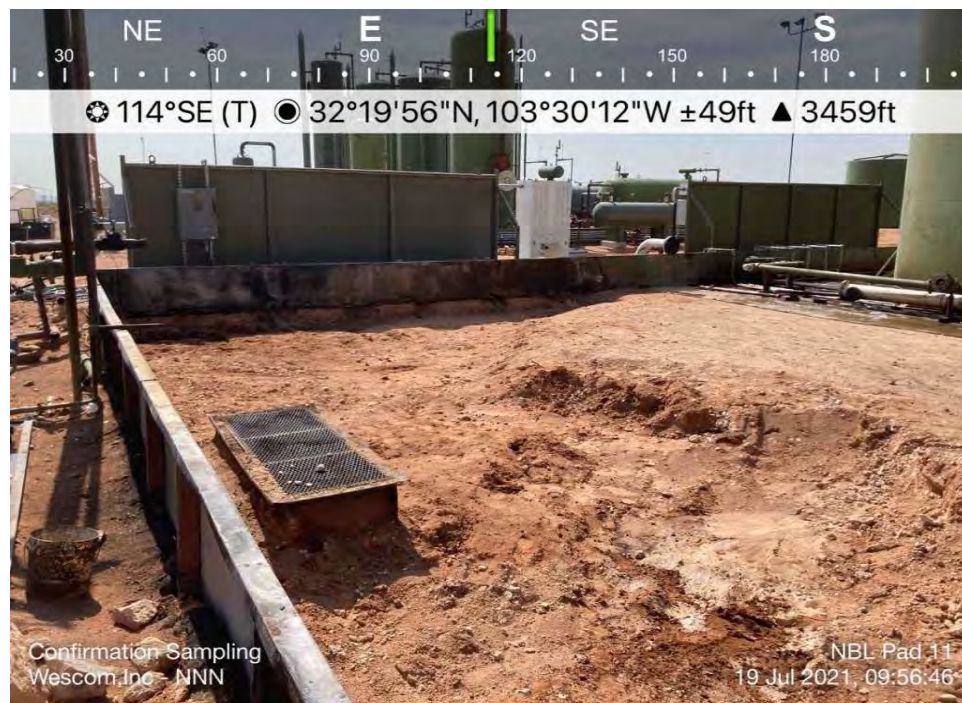


Excavated Spill Area

Bell Lake North 327H
Incident ID: NAPP2107457594



Excavated Spill Area



Excavated Spill Area

Attachment C

Closure Criteria Research





New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec TwS Rng	X	Y
NA	CP 01502 POD1	4 3 3 05 23S 34E	641316	3577635

x

Driller License: 1626 **Driller Company:** TAYLOR, ROY ALLEN

Driller Name: TAYLOR, ROY A.

Drill Start Date: 08/10/2017	Drill Finish Date: 08/19/2017	Plug Date:
Log File Date: 09/06/2017	PCW Rev Date: 02/07/2019	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size: 3	Estimated Yield: 100 GPM
Casing Size: 10.00	Depth Well: 648 feet	Depth Water: 200 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	17	207	Sandstone/Gravel/Conglomerate
	219	257	Sandstone/Gravel/Conglomerate
	261	375	Sandstone/Gravel/Conglomerate
	630	646	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	225	648

x

Meter Number: 17821	Meter Make: TURBINES INC
Meter Serial Number: 1645755	Meter Multiplier: 1.0000
Number of Dials: 7	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
11/01/2018	2018	803307	A	RPT	0
06/01/2020	2020	1767143	A	RPT	124.232
07/01/2020	2020	1767143	A	ca	0
09/01/2020	2020	1806080	A	RPT This is not an approved meter	5.019
10/01/2020	2020	1808538	A	RPT	0.317
12/01/2020	2020	1823042	A	RPT	1.869
01/01/2021	2020	1832918	A	RPT	1.273
02/01/2021	2021	1832918	A	RPT	0
03/01/2021	2021	1846831	A	RPT	1.793
06/01/2021	2021	1911738	A	ad	8.366

**YTD Meter Amounts:	Year	Amount
	2018	0
	2020	132.710
	2021	10.159

x



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

























(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD			Q	Q	Q										Water
POD Number	Code	Sub-basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206		403	497	255	242
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525		1026	430	20	410
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*		1032	494	305	189
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635		1110	648	200	448
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676		1118	680	300	380
CP 01130 POD2		CP	LE	2	1	2	07	23S	34E	640674	3577549		1421	27		
CP 01130 POD1		CP	LE	2	1	2	07	23S	34E	640662	3577558		1436	27		
CP 01622 POD1		CP	LE	1	3	3	04	23S	34E	642830	3577872		1667	575	285	290
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824		1971	594	200	394
CP 01760 POD1		CP	LE	3	1	2	16	23S	34E	643627	3575897		2016	767	290	477
C 04353 POD1		CUB	ED	4	2	2	24	23S	33E	639474	3574098		3382	603	330	273
CP 01829 POD1		CP	LE	4	4	2	32	22S	34E	642559	3580172		3655	1410	1150	260
CP 01705 POD1		CP	LE	4	4	2	32	22S	34E	642588	3580179		3668	700	305	395
CP 01706 POD1		CP	LE	4	4	2	32	22S	34E	642603	3580185		3678	340	282	58
CP 00637		CP	LE	3	3	4	15	23S	34E	645293	3574541*		4110	430	430	0
CP 01258 POD1		CP	LE	1	4	3	22	23S	34E	645015	3573221		4711	25		
E 07616 POD1		E	TO							646466	3576970		4739	500	300	200
CP 01785 POD1		CP	LE	4	1	3	14	23S	34E	646203	3575003		4742	488	245	243
CP 01258 POD3		CP	LE	1	4	3	22	23S	34E	644938	3573097		4749	25		
CP 01258 POD2		CP	LE	1	4	3	22	23S	34E	644941	3572883		4911	65		
CP 01803 POD1		CP	LE	1	1	1	34	22S	34E	644357	3580786		4928	240	180	60
CP 01826 POD1		CP	LE	1	1	1	34	22S	34E	644379	3580778		4933	698	180	518
CP 01740 POD1		CP	LE	1	1	1	34	22S	34E	644402	3580765		4935	600	560	40
CP 01120 POD1		CP	LE	2	3	3	14	23S	34E	646366	3574753		4984	397	318	79

Average Depth to Water: **322 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1150 feet**

Record Count: 24

UTM NAD83 Radius Search (in meters):

Easting (X): 641740.64

Northing (Y): 3576609.38

Radius: 5000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.




7/30/21 6:55 AM

WATER COLUMN/ AVERAGE DEPTH TO

Bell Lake North 230H

Distance to nearest Depth to Water point = 0.48 miles

Legend

-  Bell Lake North 230H
-  Distance = 0.48 miles
-  DTW = 200 feet - CP 01502 POD1

Bell Lake North 230H

DTW = 200 feet - CP 01502 POD1

Delaware Basin Rd

Google Earth

Released to Imaging: 9/14/2021 10:15:45 AM

1000 ft





Bell Lake North 230H-Riverine 4,550.7 ft



July 15, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Bell Lake North 230H-FW Pond 9,123.1 ft



July 15, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond




- Lake
- Other
- Riverine

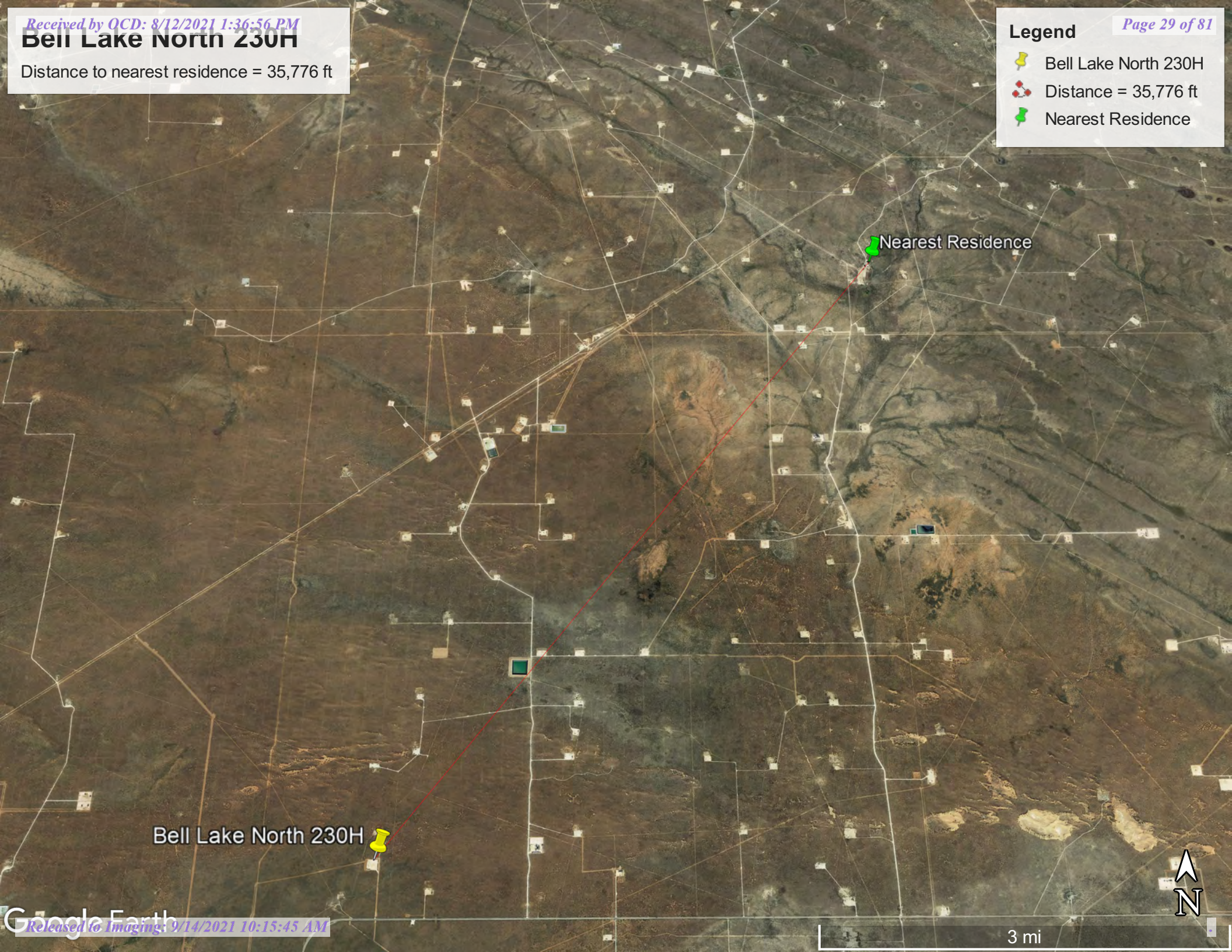
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Bell Lake North 230H

Distance to nearest residence = 35,776 ft

Legend

-  Bell Lake North 230H
-  Distance = 35,776 ft
-  Nearest Residence



Bell Lake North 230H

Nearest Residence



3 mi



Bell Lake North 230H-Wetland 10,563.4 ft



July 13, 2021

Wetlands

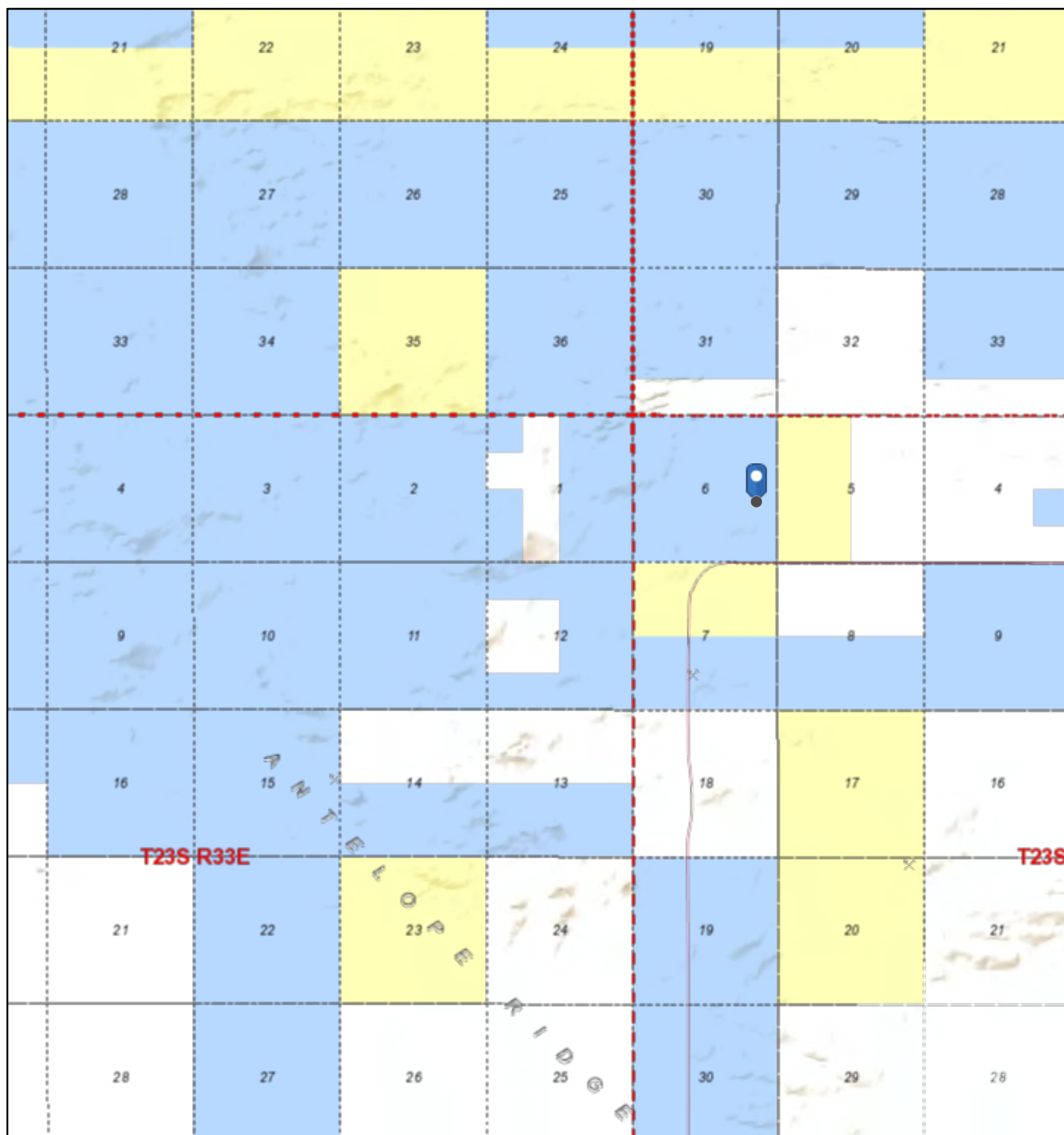
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

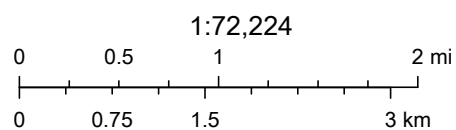
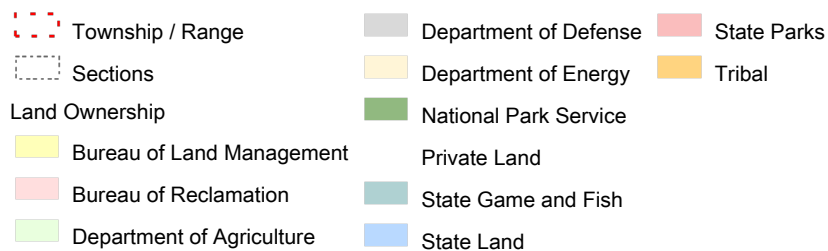
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Active Mines near Bell Lake North 230H



7/13/2021, 10:47:33 AM



U.S. Bureau of Land Management - New Mexico State Office, Sources:
Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

National Flood Hazard Layer FIRMette



103°30'31"W 32°20'12"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/13/2021 at 12:39 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Attachment D





Karst Map



Bell Lake North 230H

Karst Potential = Low

Legend

-  Bell Lake North 230H
-  High
-  Low
-  Medium

Bell Lake North 230H



Attachment E

Hall Environmental Laboratory Analysis Reports



Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Bell Lake North 230H 07.08.2021

Work Order: E107032

Job Number: 21022-0001

Received: 7/14/2021

Revision: 0

Report Reviewed By:

Draft

Walter Hinchman
Laboratory Director
7/15/21

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/15/21

Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220



Project Name: Bell Lake North 230H 07.08.2021
Workorder: E107032
Date Received: 7/14/2021 8:38:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/14/2021 8:38:00PM, under the Project Name: Bell Lake North 230H 07.08.2021.

The analytical test results summarized in this report with the Project Name: Bell Lake North 230H 07.08.2021 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
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Tom Brown
Technical Representative
Cell: 832-444-7704
tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	07/15/21 13:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E107032-01A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS02-0'	E107032-02A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS03-0'	E107032-03A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
BG01-0'	E107032-04A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
BG01-2'	E107032-05A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
BG01-4'	E107032-06A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS04-0'	E107032-07A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS05-0'	E107032-08A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS06-0'	E107032-09A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS07-0'	E107032-10A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS08-0'	E107032-11A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS09-0'	E107032-12A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS10-0'	E107032-13A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS13-0'	E107032-14A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS14-0'	E107032-15A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS15-0'	E107032-16A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS16-0'	E107032-17A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS17-0'	E107032-18A	Soil	07/13/21	07/14/21	Glass Jar, 4 oz.
SS11-1'	E107032-19A	Soil	07/14/21	07/14/21	Glass Jar, 4 oz.
SS12-1'	E107032-20A	Soil	07/14/21	07/14/21	Glass Jar, 4 oz.
SS18-1'	E107032-21A	Soil	07/14/21	07/14/21	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Bell Lake North 230H 07.08.2021 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 7/15/2021 1:12:43PM
---	---	---

SS01-0'

E107032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.4 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	58.1 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	25.3	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS02-0'

E107032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.2 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2129027
Diesel Range Organics (C10-C28)	78.2	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	148	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
		99.3 %	50-200	07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2129023
Chloride	ND	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS03-0'

E107032-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	348	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	681	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	ND	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

BG01-0'

E107032-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.8 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2129027
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	59.9	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2129023
Chloride	ND	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	Reported: 7/15/2021 1:12:43PM
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

BG01-2'

E107032-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.9 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	96.4 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	ND	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Bell Lake North 230H 07.08.2021 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 7/15/2021 1:12:43PM
---	---	---

BG01-4'

E107032-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.1 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	ND	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS04-0'

E107032-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	76.2	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	58.4	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	98.4 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	40.7	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS05-0'

E107032-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2129027
Diesel Range Organics (C10-C28)	307	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	243	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	99.1 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2129023
Chloride	291	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS06-0'

E107032-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2129027
Diesel Range Organics (C10-C28)	698	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	1430	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2129023
Chloride	229	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	Reported: 7/15/2021 1:12:43PM
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

SS07-0'

E107032-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.0 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	35.4	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	76.4	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	96.6 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	2990	40.0	2	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Bell Lake North 230H 07.08.2021 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 7/15/2021 1:12:43PM
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SS08-0'

E107032-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.5 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	110	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	138	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	101 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	ND	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS09-0'

E107032-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	239	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	172	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	4950	100	5	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	Reported: 7/15/2021 1:12:43PM
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

SS10-0'

E107032-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	1010	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	1010	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	107 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	2640	40.0	2	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS13-0'

E107032-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	422	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	546	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	5700	100	5	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	Reported: 7/15/2021 1:12:43PM
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

SS14-0'

E107032-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.6 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	36.1	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	148	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	106 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	4610	40.0	2	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	Reported: 7/15/2021 1:12:43PM
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	

SS15-0'

E107032-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.5 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	98.5 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	1830	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS16-0'

E107032-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2129025
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.2 %	70-130	07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2129027
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
		90.7 %	50-200	07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2129023
Chloride	61.2	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS17-0'

E107032-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	80.7 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	3270	40.0	2	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS11-1'

E107032-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.3 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	106	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	86.3	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	91.6 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	742	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS12-1'

E107032-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2129025	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.8 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2129027	
Diesel Range Organics (C10-C28)	101	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	65.7	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>						
	86.9 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2129023	
Chloride	40.9	20.0	1	07/14/21	07/15/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/15/2021 1:12:43PM

SS18-1'

E107032-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2129026	
Benzene	ND	0.0250	1	07/15/21	07/15/21	
Ethylbenzene	ND	0.0250	1	07/15/21	07/15/21	
Toluene	ND	0.0250	1	07/15/21	07/15/21	
o-Xylene	ND	0.0250	1	07/15/21	07/15/21	
p,m-Xylene	ND	0.0500	1	07/15/21	07/15/21	
Total Xylenes	ND	0.0250	1	07/15/21	07/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.7 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2129026	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/21	07/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.9 %	70-130		07/15/21	07/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2129028	
Diesel Range Organics (C10-C28)	154	25.0	1	07/15/21	07/15/21	
Oil Range Organics (C28-C36)	71.7	50.0	1	07/15/21	07/15/21	
<i>Surrogate: n-Nonane</i>	89.3 %	50-200		07/15/21	07/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2129024	
Chloride	427	20.0	1	07/14/21	07/15/21	



Definitions and Notes

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	07/15/21 13:12

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Bill To
Attention: Wescom Inc.
Address: 1224 Standpipe Rd
City, State, Zip Carlsbad NM 88220
Phone: 505-382-1211
Email: Ashley_Giovenco

Additional Instructions: CC Natalie Muner Shar Harvester Preserved on ice.

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>	Date 07-14-21	Time 1625	Received by: (Signature) <i>[Signature]</i>	Date 7-14-21	Time 1625	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 7-14-21	Time 2030	Received by: (Signature) <i>[Signature]</i>	Date 7-14-21	Time 20:38	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Chain of Custody

[illegible]

envirotech

Envirotech Analytical Laboratory

Printed: 7/15/2021 1:10:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Kaiser Francis Oil Company	Date Received:	07/14/21 20:38	Work Order ID:	E107032
Phone:	(505) 382-1211	Date Logged In:	07/14/21 17:16	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	07/15/21 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Lynn EstesComments/Resolution

Lab picked up samples.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Bell Lake North 230H 07.08.2021
Spill

Work Order: E107037

Job Number: 21022-0001

Received: 7/20/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/21/21

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/21/21



Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220

Project Name: Bell Lake North 230H 07.08.2021 Spill
Workorder: E107037
Date Received: 7/20/2021 10:10:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2021 10:10:00AM, under the Project Name: Bell Lake North 230H 07.08.2021 Spill.

The analytical test results summarized in this report with the Project Name: Bell Lake North 230H 07.08.2021 Spill apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
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labadmin@envirotech-inc.com

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Technical Representative/Client Services
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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Tom Brown
Technical Representative
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tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021 Spill	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	07/21/21 13:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01-1'	E107037-01A	Soil	07/19/21	07/20/21	Glass Jar, 4 oz.
CONF02-1'	E107037-02A	Soil	07/19/21	07/20/21	Glass Jar, 4 oz.
CONF03-2.5'	E107037-03A	Soil	07/19/21	07/20/21	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Bell Lake North 230H 07.08.2021 Spill Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 7/21/2021 1:26:06PM
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CONF01-1'

E107037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2130007	
Benzene	ND	0.0250	1	07/20/21	07/20/21	
Ethylbenzene	ND	0.0250	1	07/20/21	07/20/21	
Toluene	ND	0.0250	1	07/20/21	07/20/21	
o-Xylene	ND	0.0250	1	07/20/21	07/20/21	
p,m-Xylene	ND	0.0500	1	07/20/21	07/20/21	
Total Xylenes	ND	0.0250	1	07/20/21	07/20/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.9 %	70-130		07/20/21	07/20/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2130007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/21	07/20/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		07/20/21	07/20/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2130005	
Diesel Range Organics (C10-C28)	497	25.0	1	07/20/21	07/20/21	
Oil Range Organics (C28-C36)	273	50.0	1	07/20/21	07/20/21	
<i>Surrogate: n-Nonane</i>	79.9 %	50-200		07/20/21	07/20/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2130008	
Chloride	177	20.0	1	07/20/21	07/20/21	



Sample Data

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: Bell Lake North 230H 07.08.2021 Spill
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
7/21/2021 1:26:06PM

CONF02-1'

E107037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2130007	
Benzene	ND	0.0250	1	07/20/21	07/20/21	
Ethylbenzene	ND	0.0250	1	07/20/21	07/20/21	
Toluene	ND	0.0250	1	07/20/21	07/20/21	
o-Xylene	ND	0.0250	1	07/20/21	07/20/21	
p,m-Xylene	ND	0.0500	1	07/20/21	07/20/21	
Total Xylenes	ND	0.0250	1	07/20/21	07/20/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.8 %	70-130		07/20/21	07/20/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2130007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/21	07/20/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.8 %	70-130		07/20/21	07/20/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2130005	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/21	07/20/21	
Oil Range Organics (C28-C36)	57.7	50.0	1	07/20/21	07/20/21	
<i>Surrogate: n-Nonane</i>	88.5 %	50-200		07/20/21	07/20/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2130008	
Chloride	ND	20.0	1	07/20/21	07/20/21	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Bell Lake North 230H 07.08.2021 Spill Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 7/21/2021 1:26:06PM
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CONF03-2.5'

E107037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2130007	
Benzene	ND	0.0250	1	07/20/21	07/20/21	
Ethylbenzene	ND	0.0250	1	07/20/21	07/20/21	
Toluene	ND	0.0250	1	07/20/21	07/20/21	
o-Xylene	ND	0.0250	1	07/20/21	07/20/21	
p,m-Xylene	ND	0.0500	1	07/20/21	07/20/21	
Total Xylenes	ND	0.0250	1	07/20/21	07/20/21	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		07/20/21	07/20/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2130007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/21	07/20/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	100 %	70-130		07/20/21	07/20/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2130005	
Diesel Range Organics (C10-C28)	171	25.0	1	07/20/21	07/20/21	
Oil Range Organics (C28-C36)	107	50.0	1	07/20/21	07/20/21	
Surrogate: n-Nonane	89.3 %	50-200		07/20/21	07/20/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2130008	
Chloride	63.0	20.0	1	07/20/21	07/20/21	



QC Summary Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021 Spill	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/21/2021 1:26:06PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2130007-BLK1)

Prepared: 07/20/21 Analyzed: 07/20/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.7	70-130			

LCS (2130007-BS1)

Prepared: 07/20/21 Analyzed: 07/20/21

Benzene	4.94	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.68	0.0500	10.0		96.8	70-130			
Total Xylenes	14.6	0.0250	15.0		97.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.3	70-130			

Matrix Spike (2130007-MS1)

Source: E107038-01 Prepared: 07/20/21 Analyzed: 07/20/21

Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.90	0.0250	5.00	ND	98.1	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.03	0.0250	5.00	ND	101	63-131			
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.35		8.00		91.9	70-130			

Matrix Spike Dup (2130007-MSD1)

Source: E107038-01 Prepared: 07/20/21 Analyzed: 07/20/21

Benzene	5.13	0.0250	5.00	ND	103	54-133	0.565	20	
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133	0.352	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	0.312	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	0.490	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131	0.359	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	0.403	20	
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			



QC Summary Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021 Spill	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/21/2021 1:26:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2130007-BLK1)

Prepared: 07/20/21 Analyzed: 07/20/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.4	70-130			

LCS (2130007-BS2)

Prepared: 07/20/21 Analyzed: 07/20/21

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2130007-MS2)

Source: E107038-01 Prepared: 07/20/21 Analyzed: 07/20/21

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.8	70-130			

Matrix Spike Dup (2130007-MSD2)

Source: E107038-01 Prepared: 07/20/21 Analyzed: 07/20/21

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130	1.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		102	70-130			



QC Summary Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021 Spill	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/21/2021 1:26:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2130005-BLK1)

Prepared: 07/19/21 Analyzed: 07/20/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	50-200			

LCS (2130005-BS1)

Prepared: 07/19/21 Analyzed: 07/20/21

Diesel Range Organics (C10-C28)	452	25.0	500		90.3	38-132			
Surrogate: <i>n</i> -Nonane	51.9		50.0		104	50-200			

Matrix Spike (2130005-MS1)

Source: E107034-10 Prepared: 07/19/21 Analyzed: 07/20/21

Diesel Range Organics (C10-C28)	419	25.0	500	ND	83.8	38-132			
Surrogate: <i>n</i> -Nonane	47.3		50.0		94.7	50-200			

Matrix Spike Dup (2130005-MSD1)

Source: E107034-10 Prepared: 07/19/21 Analyzed: 07/20/21

Diesel Range Organics (C10-C28)	452	25.0	500	ND	90.3	38-132	7.50	20	
Surrogate: <i>n</i> -Nonane	52.5		50.0		105	50-200			



QC Summary Data

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021 Spill	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	7/21/2021 1:26:06PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2130008-BLK1)

Prepared: 07/20/21 Analyzed: 07/20/21

Chloride	ND	20.0
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LCS (2130008-BS1)

Prepared: 07/20/21 Analyzed: 07/20/21

Chloride	244	20.0	250	97.5	90-110
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Matrix Spike (2130008-MS1)

Source: E107023-01 Prepared: 07/20/21 Analyzed: 07/20/21

Chloride	258	20.0	250	ND	103	80-120
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Matrix Spike Dup (2130008-MSD1)

Source: E107023-01 Prepared: 07/20/21 Analyzed: 07/20/21

Chloride	259	20.0	250	ND	104	80-120	0.496	20
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Kaiser Francis Oil Company	Project Name:	Bell Lake North 230H 07.08.2021 Spill	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	07/21/21 13:26

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

[illegible]

envirotech

Envirotech Analytical Laboratory

Printed: 7/20/2021 2:16:21PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Kaiser Francis Oil Company	Date Received:	07/20/21 10:10	Work Order ID:	E107037
Phone:	(505) 382-1211	Date Logged In:	07/19/21 17:06	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	07/20/21 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedexComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 41747

CONDITIONS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 41747
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	9/14/2021