June 2, 2023

NMOCD District 2
Mike Bratcher
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, and Deferral Request
Skelly #942 Battery
API No. 30-015-34645
GPS: Latitude 32.8240166 Longitude -103.8560791
UL "B", Sec. 22, T17S, R31E
Eddy County, NM
NMOCD Ref. No. NRM2003849084

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and conduct remediation activities for the release site known as the Skelly #942 Battery (Skelly). Details of the release are summarized below:

Release Details			
Type of Release:	Crude Oil	**Volume of Release:**	7 bbls
		Volume Recovered:	4 bbls
Source of Release:	Oil Tank	**Date of Release:**	02/03/20
Was Immediate Notice Given?	No	**If, Yes, to Whom?**	N/A
Was a Watercourse Reached?	No	**If Yes, Volume Impacting Watercourse:**	N/A
Surface Owner:	Federal	**Mineral Owner:**	State
A hole in the bottom of the oil tank was found. The oil tank was emptied to prevent any further release			

Topographical and Aerial Maps are provided in Figures #2 and #4. A copy of the Initial Release Notification and Corrective Action (NMOCD Form C-141) can be found in Appendix C.

REGULATORY FRAMEWORK

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

Site Characteristics	
Approximate Depth to Groundwater	**<50'**
Within 330 ft. of any continuously flowing or significant watercourse?	**NO**
Within 200 ft. of any lakebed, sinkhole, or playa lake?	**NO**
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	**NO**
Within 500 ft. of a spring, private, or domestic freshwater well?	**NO**
Within 1000 ft. of any fresh water well?	**NO**
Within the incorporated municipal boundaries or within a municipal well field?	**NO**
Within 300 ft. of a wetland?	**NO**
Within the area overlying a subsurface mine?	**NO**
Within an unstable area such as Karst?	**NO**
Within a 100-year floodplain?	**NO**

A search of the groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average groundwater depth within one (1) Mile radius of the Release Site and identify any registered water wells within ½ Mile of the Release Site. The data initially found on the State Engineers website showed there was NO water data within a ½ mile radius. With this being the case, we cleaned it up to the most stringent criteria.

Depth to groundwater information is provided in Appendix A.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- and is made up of Eolian and Piedmont deposits (Holocene to middle Pleistocene)-Interlayed eolian sands and piedmont- slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (Qep). The soil in this area is made up of Kermit-Berino fine sands, with 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are excessively drained. There is NOT a high potential for karst geology to be present around the Skelly (Figure #3).

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure #3.

TABLE I
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

	Constituent	Method	Limit
<50 Feet	Chloride	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

INITIAL SITE ASSESSMENT

On August 17, 2022, Paragon conducted an initial site assessment. There was obvious staining inside the earthen berm containment from the spill. There were no signs outside the containment that the berm had been breached. Because this was an earthen berm containment, samples were collected inside the containment, and background samples were collected outside the containment. These samples were collected in accordance with NMAC 19.15.29 and submitted to an approved laboratory for analysis. A table summarizing laboratory analytical results from soil samples collected during the above-stated activities is provided below:

8-17-22 Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 50')								
Sample Date 8-17-22-22		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
BG-1	SURFACE	ND	ND	ND	ND	ND	ND	163
BG-2	SURFACE	ND	ND	ND	ND	ND	ND	ND
BG-3	SURFACE	ND	ND	ND	ND	ND	ND	32
S-1	0-6"	ND	ND	ND	**1750**	**753**	**2503**	48
	1'	ND	ND	ND	410	231	641	112
	2' REFUSAL	ND	ND	ND	**1380**	468	1848	208
S-2	0-6"	ND	ND	ND	**1460**	450	1910	352
	1'	26.3	0.215	467	4810	1170	6447	240
	2'	39.3	0.296	**809**	**7610**	**1690**	**10109**	304
	3'	0.393	ND	ND	**1090**	546	1636	176
	4'	ND	ND	ND	42.6	15.8	58.4	96
S-3	6"-1'	9.8	ND	**399**	**4460**	**982**	**5841**	**1660**
	1.5'	7.88	0.059	**338**	**4800**	**1110**	**6248**	**1700**
	2'	ND	ND	ND	64.1	12.6	76.7	**1330**
	3'	ND	ND	ND	ND	ND	ND	**944**
	4'	ND	ND	ND	ND	ND	ND	**1090**
S-4	1'	ND	ND	ND	ND	ND	ND	96
	2'	ND	ND	ND	ND	ND	ND	48
	3'	ND	ND	ND	ND	ND	ND	48
	4'	ND	ND	ND	10.5	ND	10.5	96
S-5	1'	ND	ND	ND	ND	ND	ND	64
	2'	ND	ND	ND	ND	ND	ND	64
	3'	ND	ND	ND	ND	ND	ND	80
	4'	ND	ND	ND	ND	ND	ND	64
S-6	1'	ND	ND	ND	ND	ND	ND	48
	2'	ND	ND	ND	ND	ND	ND	32
	3'	ND	ND	ND	ND	ND	ND	48

(ND) - Analyte Not Detected

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

On March 8, 2023, Paragon mobilized personnel and equipment to conduct remedial activities. Based on the site characteristics and field observations made during the site assessment, the following details the remedial activities we conducted to advance the Release Site toward an NMOCD-approved deferred closure.

We excavated the stained soil from inside the containment utilizing a crew and hand tools. The depth of excavation ranged from 6-8 inches BGS. The spill was right against the tanks, and because of safety issues and risks of damaging any infrastructure, it was decided not to excavate any deeper than this and request a deferral.

We returned to the site on May 8, 2023, to obtain additional samples in an effort to obtain delineation for TPH at S-1 and Chlorides at S-3. An email notification was sent to the NMOCD, giving them 48 hours prior notice of the sampling event. The results of these samples are listed in the following data table.

5-8-23 Delineation Samples

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 5-8-23		Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria 100 mg/kg	Closure Criteria 600 mg/kg
Sample ID	Depth (BGS)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
S-1	5'	--	--	ND	ND	ND	ND	--
S-3	6'	--	--	--	--	--	--	48

(ND) Analyte Not Detected / (--) Analyte Not Tested

These laboratory analytical results completed the delineation of this incident in accordance with deferral instructions for NMOCD Closure Criteria. The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. The excavated areas were backfilled with “like” material obtained from Lea Land. The affected area was then contoured and hand tool compacted to match the surrounding grade.

DEFERRAL REQUEST

After careful review, Paragon respectfully requests that the incident, NRM2003849084, be granted a deferral. Spur has complied with the applicable requirements outlined in rule 19.15.19.12 NMAC. Remediation and or reclamation will take place upon major deconstruction or at the time of the facilities decommissioning.

If you have any questions or need additional information, please get in touch with Chris Jones by phone at (575)631-6977 or email at chris@paragonenvironmental.net.

Respectfully,

Tristan Jones
Project Coordinator
Paragon Environmental, LLC

Chris Jones
Environmental Professional
Paragon Environmental, LLC

Attachments

Figures:
1- Site Map
2- Topographic Map
3- Karst Map
4- Aerial Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and FEMA Flood Map
Appendix C – C-141
Appendix D – Email Notification & Photographic Documentation
Appendix E – Laboratory Reports

Figures:

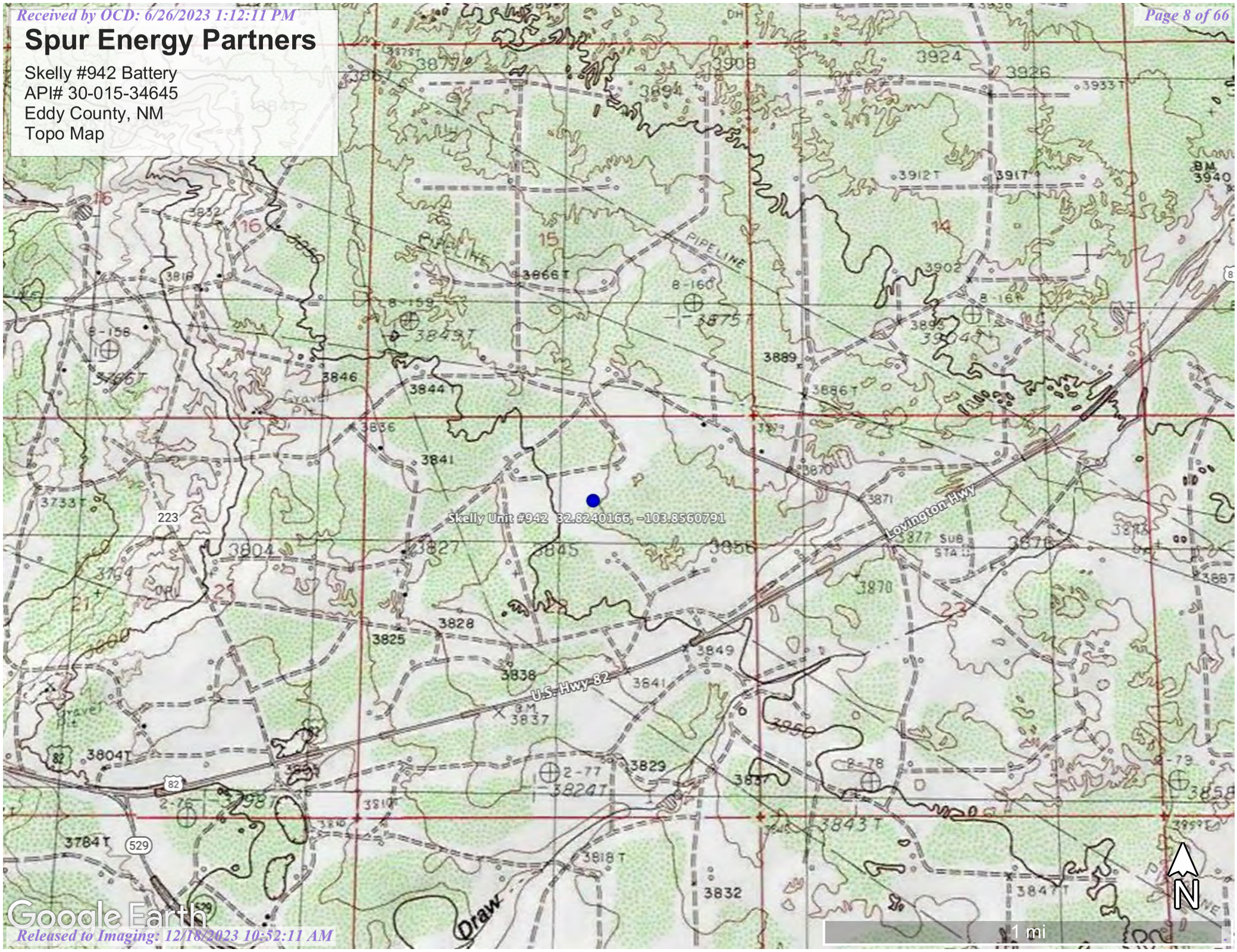
1-Site Map
2- Topo Map
3- Karst Map
4- Aerial Map

Spur Energy Partners

Skelly #942 Battery
API#30-015-34645
Eddy County, NM
Site Map

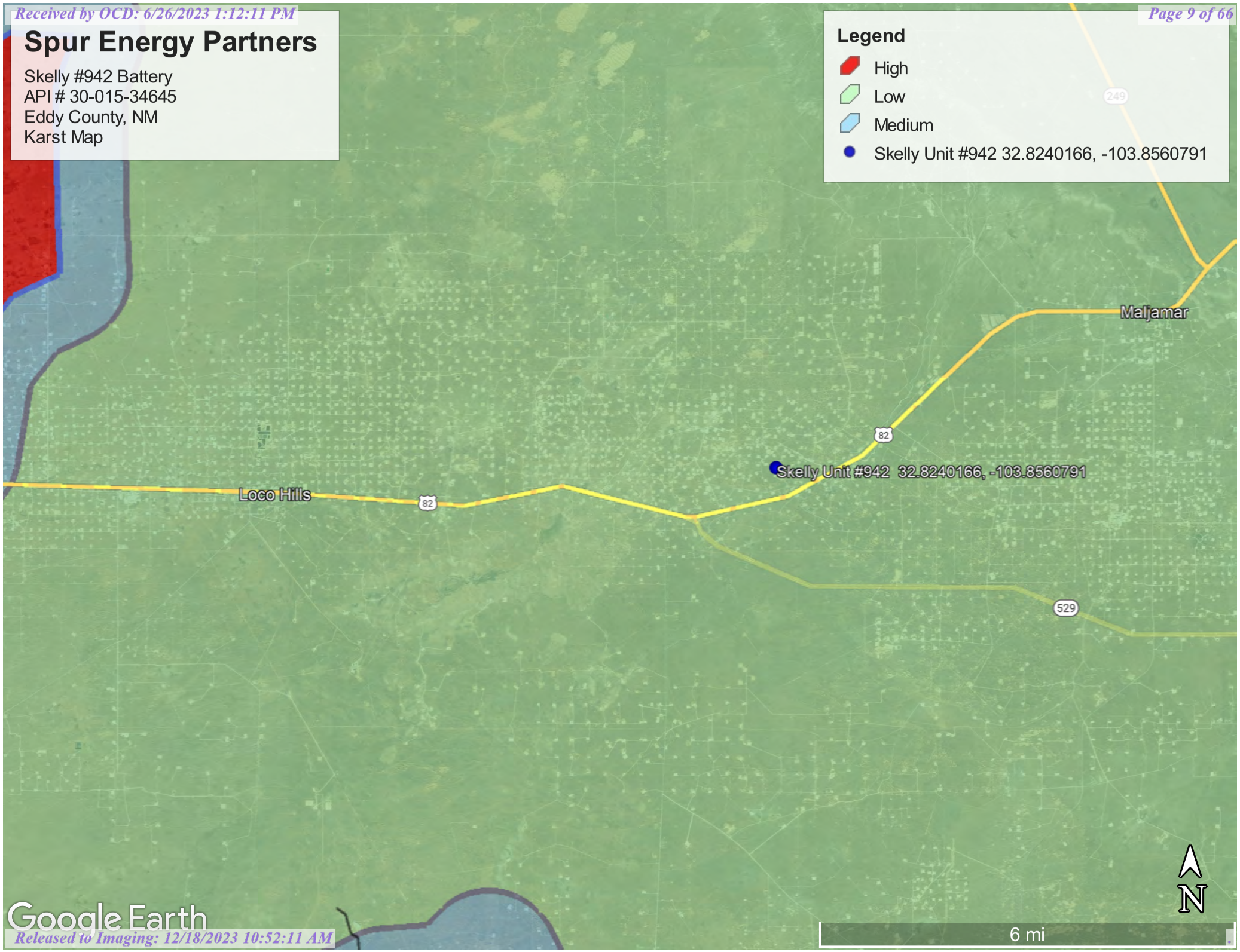
Spur Energy Partners

Skelly #942 Battery
API# 30-015-34645
Eddy County, NM
Topo Map



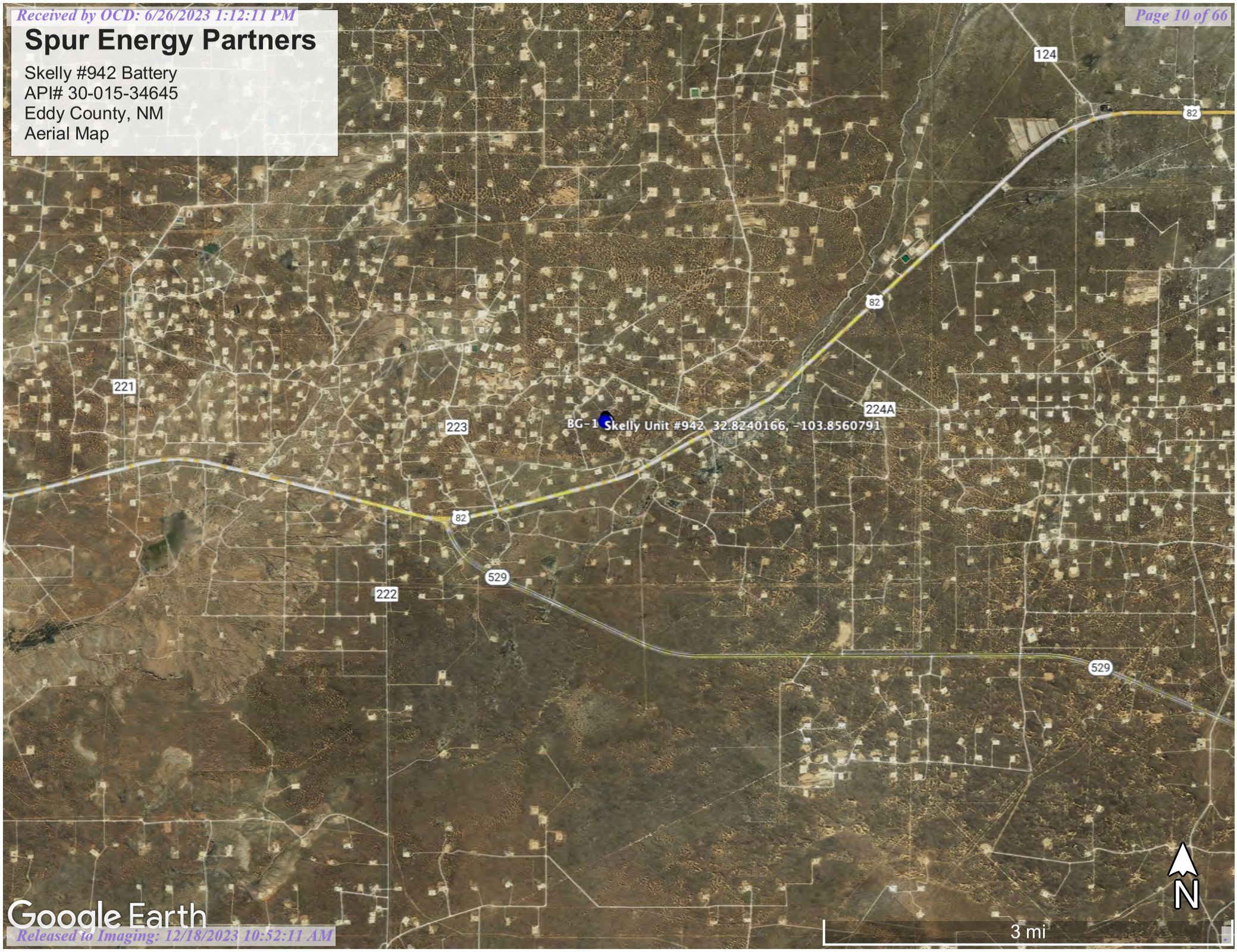
Spur Energy Partners

Skelly #942 Battery
API # 30-015-34645
Eddy County, NM
Karst Map



Spur Energy Partners

Skelly #942 Battery
API# 30-015-34645
Eddy County, NM
Aerial Map



Appendix A
Referenced Water Data:

New Mexico State of Engineers Office

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 Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11590 POD3		RA	ED	3	1	2	32	17S	31E	603932	3629260	4420	60		
L 14207 POD3		L	LE	2	3	3	31	16S	37E	606117	3636977	4715	240	96	144
RA 11590 POD4		RA	ED	4	1	1	32	17S	31E	603308	3629253	4888	55		

Average Depth to Water: **96 feet**

Minimum Depth: **96 feet**

Maximum Depth: **96 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 607081.581 **Northing (Y):** 3632361.535 **Radius:** 5000

Appendix B
Soil Survey:

U.S.D.A.
FEMA Flood Map

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

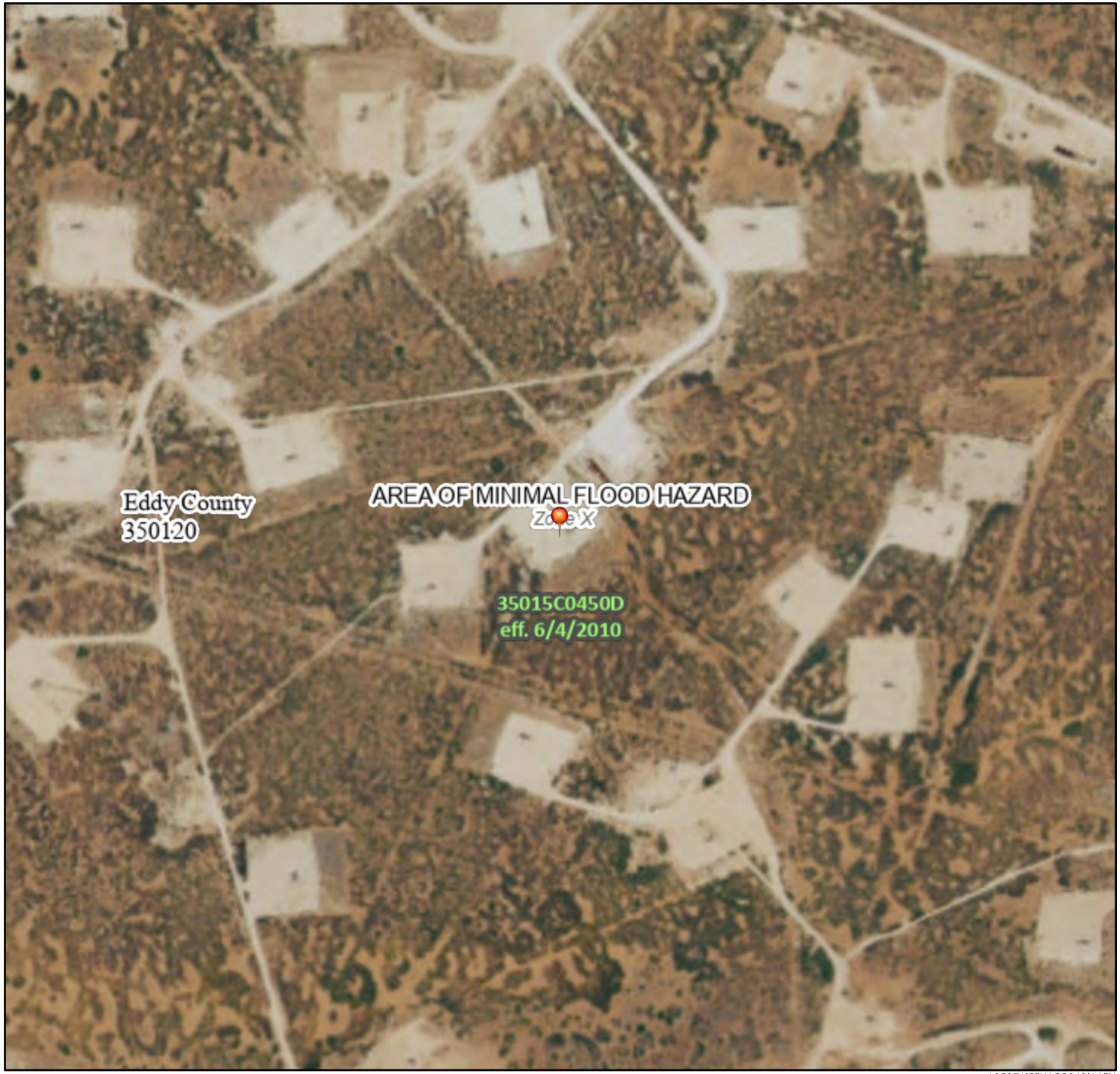
Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

National Flood Hazard Layer FIRMette

FEMA

103°51'41"W 32°49'42"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°51'3"W 32°49'11"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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 / 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
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 8/17/2022 at 3:26 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.

Appendix C:

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	NRM2003849084
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **SPUR ENERGY PARTNERS**	OGRID **328947**
Contact Name **KENNY KIDD**	Contact Telephone **575-616-5400**
Contact email **KKIDD@SPUREPLLC.COM**	Incident # *(assigned by OCD)*
Contact mailing address **920 MEMORIAL CITY WAY, STE. 1000, HOUSTON TEXAS 77024**	

Location of Release Source

Latitude **32.8240166** Longitude **-103.8560791**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **SKELLY #942 BATTERY**	Site Type **OIL & GAS**
Date Release Discovered **2/3/2020**	API# *(if applicable)* ***30-015-34645***

Unit Letter	Section	Township	Range	County
B	**22**	**17S**	**31E**	**EDDY**

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)

☒ Crude Oil	Volume Released (bbls) **7BBLS**	Volume Recovered (bbls) **4BBLS**
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A HOLE IN THE BOTTOM OF THE OIL TANK WAS FOUND. THIS IS AN UNLINED FACILITY. THE SITE WILL BE FULLY DELINEATED AND REMEDIATED AS PER FEDERAL AND NMOCD GUIDELINES.

Incident ID	NRM2003849084
District RP	
Facility ID	
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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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:

THE TANK WAS EMPTIED TO PREVENT ANY FURTHER RELEASE OF FLUIDS, THE STANDING FLUIDS WAS RECOVERED VIA VACUUM TRUCK. ALL FLUIDS REMAINED INSIDE THE UNLINED CONTAINMENT.

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: **NATALIE GLADDEN** Title: **DIRECTOR OF ENVIRONMENTAL AND REGULATORY**

Signature: Natalie Gladden Date: **2/4/2020**

email: **NGLADDEN@HUNGRY-HORSE.COM** Telephone: **575-390-6397**

OCD Only

Received by: Ramona Marcus Date: 2/7/2020

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Form C-141
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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?	<50' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003849084
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Facility ID	
Application ID	

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.

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: Kathy Purvis. Title: HSE Coordinator

Signature: Katherine Purvis Date: 6/26/23

email: katherine.purvis@spurenergy.com Telephone: 575-441-8619

OCD Only

Received by: Shelly Wells Date: 6/26/2023

State of New Mexico
Oil Conservation Division

Incident ID	NRM2003849084
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☒ Extents of contamination must be fully delineated.

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Kathy Purvis. Title: HSE Coordinator

Signature: Katherine Purvis Date: 6/26/23

email: katherine.purvis@spurenergy.com Telephone: 575-441-8619

OCD Only

Received by: Shelly Wells Date: 6/26/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Appendix D:

Email Notification

Photographic Documentation

Friday, June 16, 2023 at 10:25:05 Central Daylight Time

Subject: Skelly 942
Date: Wednesday, May 3, 2023 at 2:30:44 PM Central Daylight Time
From: Angel Pena
To: Bratcher, Michael, EMNRD, Chris Jones, Hamlet, Robert, EMNRD, Harimon, Jocelyn, EMNRD, Nobui, Jennifer, EMNRD

To All,

This is to inform you we will be obtaining additional confirmation samples at the Skelly 942 on 5-08-23 at approximately 8 am.

Thank You,

Angel O. Peña

Field supervisor

1601 N. Turner Ste. 500

Hobbs, NM 88240

angel@paragonenvironmental.net

575-605-0773

PARAGON ENVIRONMENTAL

Photographic Documentation
During

Completed

Appendix E:

Laboratory Results

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 23, 2022

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: SKELLY #942

Enclosed are the results of analyses for samples received by the laboratory on 08/19/22 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: BG - 1 (H223827-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.156**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	214	107	200	1.50	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	209	104	200	0.000957	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *88.9 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *88.5 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: BG - 2 (H223827-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.050**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	214	107	200	1.50	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	209	104	200	0.000957	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *95.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.9 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: BG - 3 (H223827-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.059**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	214	107	200	1.50	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	209	104	200	0.000957	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *91.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *91.1 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 1 0-6" (H223827-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.093**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	08/22/2022	ND	214	107	200	1.50	
DRO >C10-C28*	**1750**	100	08/22/2022	ND	209	104	200	0.000957	
EXT DRO >C28-C36	**753**	100	08/22/2022	ND					

Surrogate: 1-Chlorooctane *119 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *172 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 1 1' (H223827-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.088**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	214	107	200	1.50	
DRO >C10-C28*	**410**	10.0	08/23/2022	ND	209	104	200	0.000957	
EXT DRO >C28-C36	**231**	10.0	08/23/2022	ND					

Surrogate: 1-Chlorooctane *99.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *145 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 1 2' REFUSAL (H223827-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.058**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	08/22/2022	ND	214	107	200	1.50	
DRO >C10-C28*	**1380**	50.0	08/22/2022	ND	209	104	200	0.000957	
EXT DRO >C28-C36	**468**	50.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *105 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *150 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 2 0-6" (H223827-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.105**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**1460**	50.0	08/22/2022	ND	223	111	200	0.246	QM-07
EXT DRO >C28-C36	**450**	50.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *102 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *147 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 2 1' (H223827-08)

BTEX 8021B mg/kg **Analyzed By: JH** **S-04**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.215**	0.100	08/23/2022	ND	1.94	96.9	2.00	8.11	GC-NC1
Toluene*	**1.80**	0.100	08/23/2022	ND	2.21	110	2.00	9.59	GC-NC1
Ethylbenzene*	**12.3**	0.100	08/23/2022	ND	2.21	110	2.00	9.66	GC-NC1
Total Xylenes*	**11.9**	0.300	08/23/2022	ND	6.92	115	6.00	10.5	GC-NC1
Total BTEX	**26.3**	0.600	08/23/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *270 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**467**	50.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**4810**	50.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**1170**	50.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *135 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *154 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 2 2' (H223827-09)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.296**	0.100	08/23/2022	ND	1.94	96.9	2.00	8.11	GC-NC1
Toluene*	**2.61**	0.100	08/23/2022	ND	2.21	110	2.00	9.59	GC-NC1
Ethylbenzene*	**18.6**	0.100	08/23/2022	ND	2.21	110	2.00	9.66	GC-NC1
Total Xylenes*	**17.8**	0.300	08/23/2022	ND	6.92	115	6.00	10.5	GC-NC1
Total BTEX	**39.3**	0.600	08/23/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *302 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**809**	50.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**7610**	50.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**1690**	50.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *166 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *185 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 2 3' (H223827-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.338**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	**0.055**	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	**0.393**	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**1090**	10.0	08/23/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**546**	10.0	08/23/2022	ND					

Surrogate: 1-Chlorooctane *86.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *127 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 2 4' (H223827-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2022	ND	1.94	96.9	2.00	8.11	
Toluene*	**0.071**	0.050	08/22/2022	ND	2.21	110	2.00	9.59	
Ethylbenzene*	<0.050	0.050	08/22/2022	ND	2.21	110	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/22/2022	ND	6.92	115	6.00	10.5	
Total BTEX	<0.300	0.300	08/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**42.6**	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**15.8**	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *82.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *88.0 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 3 6''-1' (H223827-12)

BTEX 8021B mg/kg **Analyzed By: JH/** **S-04**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	**0.761**	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	GC-NC1
Ethylbenzene*	**1.05**	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	NC1, QM-07, QI
Total Xylenes*	**7.99**	0.150	08/23/2022	ND	6.04	101	6.00	12.1	NC1, QM-07, QI
Total BTEX	**9.80**	0.300	08/23/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *478 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1660**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS** **S-06**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**388**	50.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**4460**	50.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**982**	50.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *137 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *254 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 3 1.5' (H223827-13)

BTEX 8021B mg/kg Analyzed By: JH/ S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.059**	0.050	08/23/2022	ND	2.01	101	2.00	12.3	GC-NC1
Toluene*	**0.499**	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	GC-NC1
Ethylbenzene*	**0.892**	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	GC-NC1
Total Xylenes*	**6.43**	0.150	08/23/2022	ND	6.04	101	6.00	12.1	GC-NC1
Total BTEX	**7.88**	0.300	08/23/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID *416 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1700**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**338**	50.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**4800**	50.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**1110**	50.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *131 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *131 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 3 2' (H223827-14)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1330**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**64.1**	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	**12.6**	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *96.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *104 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 3 3' (H223827-15)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**944**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *90.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.2 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 3 4' (H223827-16)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1090**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *88.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.6 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 4 1' (H223827-17)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *86.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *89.8 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 4 2' (H223827-18)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *89.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *95.2 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 4 3' (H223827-19)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *91.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *96.2 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 4 4' (H223827-20)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	**10.5**	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *97.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *100 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 5 6''-1' (H223827-21)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/23/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *85.6 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *91.3 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 5 2' (H223827-22)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *90.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.4 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 5 3' (H223827-23)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *88.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.5 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 5 4' (H223827-24)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *90.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.9 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 6 1' (H223827-25)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *87.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *90.5 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 6 2' (H223827-26)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	223	111	200	0.246	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *97.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	08/19/2022	Sampling Date:	08/17/2022
Reported:	08/23/2022	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Tamara Oldaker
Project Location:	32.824017,-103.856079		

Sample ID: S - 6 3' (H223827-27)

BTEX 8021B mg/kg **Analyzed By: JH/**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2022	ND	2.01	101	2.00	12.3	
Toluene*	<0.050	0.050	08/23/2022	ND	1.99	99.6	2.00	12.5	
Ethylbenzene*	<0.050	0.050	08/23/2022	ND	1.94	97.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	08/23/2022	ND	6.04	101	6.00	12.1	
Total BTEX	<0.300	0.300	08/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/23/2022	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2022	ND	195	97.3	200	0.197	
DRO >C10-C28*	<10.0	10.0	08/22/2022	ND	204	102	200	0.317	
EXT DRO >C28-C36	<10.0	10.0	08/22/2022	ND					

Surrogate: 1-Chlorooctane *91.9 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *106 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

1 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental	BILL TO
Project Manager:	P.O. #:
Address:	Company: Spur
City: Hobbs State: Zip:	Attn: Brady Mulder
Phone #: Fax #:	Address:
Project #: Project Owner: Spur	City:
Project Name: Skelly #942	State: Zip:
Project Location: 32.824017, -103.856079	Phone #:
Sampler Name: Jeremy Weaver	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH Ext.	BTEX	Chlorides
H223827																	
1	BG-1					✓					✓		8/17	8:00	✓	✓	✓
2	BG-2					✓					✓		8/17	8:05			
3	BG-3					✓					✓		8/17	8:10			
4	S-1 0-6"					✓					✓		8/17	8:15			
5	S-1 1' [redacted]-Jm					✓					✓		8/17	8:20			
6	S-1 2' Refusal					✓					✓		8/17	8:25			
7	S-2 0-6"					✓					✓		8/17	8:30			
8	S-2 1'					✓					✓		8/17	8:35			
9	S-2 2'					✓					✓		8/17	8:40			
10	S-2 3'					✓					✓		8/17	8:45			

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Relinquished By:	Date: 8.19.22	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1627		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-9.3°C) C-0.6°C -9.9°C #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) TO

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

2 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental	**BILL TO**
Project Manager:	P.O. #:
Address:	Company: Spur
City: Hobbs State: Zip:	Attn: Brady Wolder
Phone #: Fax #:	Address:
Project #: Project Owner: Spur	City:
Project Name: Skully 4/2	State: Zip:
Project Location: 32.874017, -103.856079	Phone #:
Sampler Name: Jeremy Mores	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH Ext.	BTEX	Chlorides
H223827																	
11	S-2 4'												8/17	8:50			
12	S-3 6"-1'												8/17	8:55			
13	S-3 1'2"												8/17	9:00			
14	S-3 2'												8/17	9:05			
15	S-3 3'												8/17	9:10			
16	S-3 4'												8/17	9:15			
17	S-4 1'												8/17	9:20			
18	S-4 2'												8/17	9:25			
19	S-4 3'												8/17	9:30			
20	S-4 4'												8/17	9:35			

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Relinquished By:	Date: 8.19.22	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 7627		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -9.3° C -0.6° C -9.9° C #113

Sample Condition: Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) TB

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

3 of 3

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental	**BILL TO** P.O. #:
Project Manager:	Company: Spur
Address:	Attn: Brady Mahler
City: Hobbs State: Zip:	Address:
Phone #: Fax #:	City:
Project #: Project Owner: Spur	State: Zip:
Project Name: Skelly 947	Phone #:
Project Location: 32.82407, -103.856079	Fax #:
Sampler Name: Jeremy Mainer	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH Ext.	BTEX	Chlorides
H223827																	
21	S-5 6"-1'					✓					✓		8/17	9:40	✓	✓	✓
22	S-5 2'					✓					✓		8/17	9:45			
23	S-5 3'					✓					✓		8/17	9:50			
24	S-5 4'					✓					✓		8/17	9:55			
25	S-6 1'					✓					✓		8/17	10:00			
26	S-6 2'					✓					✓		8/17	10:05			
27	S-6 3'					✓					✓		8/17	10:10			

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 the client for the 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 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.

Relinquished By:	Date: 8-19-22	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 16:27		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -9.3° C -0.6° C -9.9° C #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 11, 2023

CHRIS JONES

PARAGON ENVIROMENTAL

5002 CARRAIGE RD

HOBBS, NM 88242

RE: SKELLY #942

Enclosed are the results of analyses for samples received by the laboratory on 05/09/23 8:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PARAGON ENVIROMENTAL
CHRIS JONES
5002 CARRAIGE RD
HOBBS NM, 88242
Fax To:

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/11/2023	Sampling Type:	Soil
Project Name:	SKELLY #942	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Shalyn Rodriguez
Project Location:	32.824017,-103.856079		

Sample ID: S - 3 6' (H232277-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/09/2023	ND	400	100	400	0.00	

Sample ID: S - 1 5' (H232277-02)

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	194	96.9	200	3.19	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	185	92.4	200	3.73	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane	*83.5 %*	*48.2-134*
Surrogate: 1-Chlorooctadecane	*99.6 %*	*49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Paragon Environmental	**BILL TO**
Project Manager: Chris Jones	P.O. #:
Address: 1601 N. Turner St., Ste 500	Company: SPUR
City: Hobbs State: NM Zip: 88240	Attn: Bradley Walden
Phone #: 575-964-7814 Fax #:	Address:
Project #: Project Owner: SPUR	City:
Project Name: Skelly 942	State: Zip:
Project Location: Eddy County	Phone #:
Sampler Name: Jeremy Mayes	Fax #:

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chlorides	TPH Ext
H232277																
1	S-3 6'		1			1					1		05/08		X	X
2	S-1 5'		1			1					1		05/08		✓	✓

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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.

Relinquished By:	Date: 05/09	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0825		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to Chris Jones.
	Time:		

Delivered By: (Circle One) 4.9°C-0.6°C
Sampler - UPS - Bus - Other: 4.3°C #113

Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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 232822

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 232822
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	Area around tank battery represented by S-1, S-2, and S-3 approved for deferral. Final remediation and reclamation/revegetation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC at time of a major facility deconstruction or at plugging and abandonment, whichever comes first.	12/18/2023