

Incident ID	nAPP2201725592
District RP	
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?	<u>180'</u> (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.

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Printed Name: Dale Woodall Title: Env. Professional
 Signature: *Dale Woodall* Date: 11/16/2023
 email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 11/16/2023

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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.

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 Signature: Dale Woodall Date: 11/16/2023
 email: dale.woodall@dvn.com Telephone: 575-848-1838

OCD Only

Received by: Shelly Wells Date: 11/16/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

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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

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Printed Name: Dale Woodall Title: Env. Professional
 Signature: *Dale Woodall* Date: 11/16/2023
 email: dale.woodall@dn.com Telephone: 575-748-1838

OCD Only

Received by: Shelly Wells Date: 11/16/2023

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: *Ashley Maxwell* Date: 11/28/2023
 Printed Name: Ashley Maxwell Title: Environmental Specialist



402 E. Wood Avenue
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

April 4, 2022

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Closure Report
Betelgeuse 19 Federal #006H
Unit E, Section 20, Township 19S, Range 31E
Site Coordinates: 32.6484909, -103.8992157
Eddy County, New Mexico
Incident ID: nAPP2201725592**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Betelgeuse 19 Federal #006H (Site). The Site is located approximately 12.7 miles south-southeast of Loco Hills, New Mexico in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 4, 2022. The release was a result of thread cut out on 1" piping slip stream at pumping unit. The failure resulted in the release of approximately 7 barrels (bbls) of crude oil of which 1 bbl was recovered. Upon discovery, the well was shut-in and area was secured. The release is shown on Figure 3. The initial C-141 form is attached.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½ mile radius of the location. The nearest identified well is located 0.93 mile west of the Site in S19, T19S, R31E. The well was drilled in 1998 and the reported depth to groundwater is 180' feet below ground surface (ft bgs). A copy of the site characterization information and the associated Point of Diversion (POD) summary report is attached.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria are applicable to the Site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Mr. Mike Bratcher
April 4, 2022
Page 2 of 3

Site Assessment

On January 25, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of 2 sample points (S-1 through S-2) were installed within the release area to characterize the impacts. Additionally, 4 horizontal delineation sample points (H-1 through H-4) were installed to define the extent of impacts. Soil samples were collected in 0.5 to 1 ft depth intervals from depths ranging from 0 – 3.5 ft bgs with a geotechnical handauger. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for chemical analysis. Soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). The analytical results are included in Table 1. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results identified elevated TPH and/or chloride concentrations across the release area (S1 – S2). Soil impacts were confined to the upper 2.5 ft bgs in S-1 and 1.5 ft bgs in S-2. Analytical results from the horizontal delineation sample points H-1 and H-2, exhibited chloride concentrations above the regulatory limit and required further delineation which was achieved during the remedial action activities described below. All other horizontal delineation sample points exhibited constituent concentrations below the regulatory limits.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to the depths detailed below and illustrated on Figure 4.

- The area of S-1 was excavated to a depth of 3 ft bgs
- The areas of S-2, H-1, and H-2 were excavated to a depth of 2 ft bgs

The soils were field screened during excavation activities to aide in determining final excavation depths, primarily in the areas of H-1 and H-2, where the horizontal delineation of impacts was not achieved during site assessment activities. A total of 11 confirmation samples were collected from the excavation base (CS-1 - CS-11) and 10 confirmation samples were collected from the excavation sidewalls (CW-1 - CW-10) were collected from the excavation sidewalls to ensure impacted soil was removed.

The confirmation samples were collected every 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Following receipt of the analytical results, the excavation was backfilled and returned to near-natural grade. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 2.

Mr. Mike Bratcher
April 4, 2022
Page 3 of 3

Closing

Based on the assessment and subsequent remedial action activities, the Site is in compliance with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached and Devon formally request a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
Jr. Project Manager

Attachments:

- Initial And Final C-141
- Site Characterization Information
- Tables
- Figures
- Photographic Log
- Laboratory Reports and Chain-of-Custody Documents

Ethan Sessums

From: Ethan Sessums
Sent: Saturday, March 19, 2022 8:05 PM
To: New Mexico OCD
Subject: Sampling Notification

We will be confirmation sampling on behalf of DEVON at the below mentioned site on 3/22/22 around 9 a.m. MDT.

Site:
Devon – BETELEUSE 19 FEDERAL #006H
E-S20-T19S-R31E
32.6484909, -103.8992157
Eddy County, New Mexico

Ethan Sessums
Project Scientist
NTGE New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: (254)-266-5456 W: (432)-701-2159
Email: essesums@ntglobal.com

Air Quality Compliance | EHS Management | Environmental Due Diligence & Audits | Midstream Compliance | Regulatory Compliance & Permitting | Site Assessment, Remediation & Site Closure | Water Quality & Natural Resources

INITIAL AND FINAL 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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) 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

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> 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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> 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.
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Printed Name: _____ Title: _____ Signature: <u>Kendra DeHoyos</u> Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: _____ Date: _____

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1112</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>46.333</u>
Barrels of Soil Impacted	<u>8.26</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.24</u>
Saturation	Fluid present when squeezed
Estimated Barrels of Oil Released	<u>0.62</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>500</u>	<u>0.750</u>
Standing fluid	<u>5.570</u>
Total fluids spilled	<u>6.809</u>

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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

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- Field data
- Data table of soil contaminant concentration data
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State of New Mexico
Oil Conservation Division

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 email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

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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
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- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

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

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Printed Name: Dale Woodall Title: Env. Professional

Signature: *Dale Woodall* Date: 11/16/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

SITE CHARACTERIZATION INFORMATION

Devon Energy - Betelgeuse 19 Federal #006H
Sec 20 T19S R31E Unit E
32.6484909°N, -103.8992157°W
Eddy County, New Mexico

Site Characterization

-No water features within specified distances of 1/2 mile radius, drilled within 25 years

-Low Karst

-NMSEO Groundwater is 65' below surface, 2.00 miles Southwest of the site, 2011 Drilled, Section 25

-NMSEO Groundwater is 180' below surface, 0.93 miles Northwest of the site, 1998 Drilled, Section 19

-USGS Groundwater is 22.50' below surface, 1.90 miles Southwest of the site, 1994 Drilled, Section 25

RRALs due to insufficient *RECENT* groundwater data

-Chlorides 600 mg/kg

-TPH GRO+DRO+MRO 100 mg/kg

-BTEX 50 mg/kg

-Benzene 10 mg/kg

Low Karst

Devon Energy

Legend

-  Betelgeuse 19 Federal #006H
-  LOW



Betelgeuse 19 Federal #006H

222

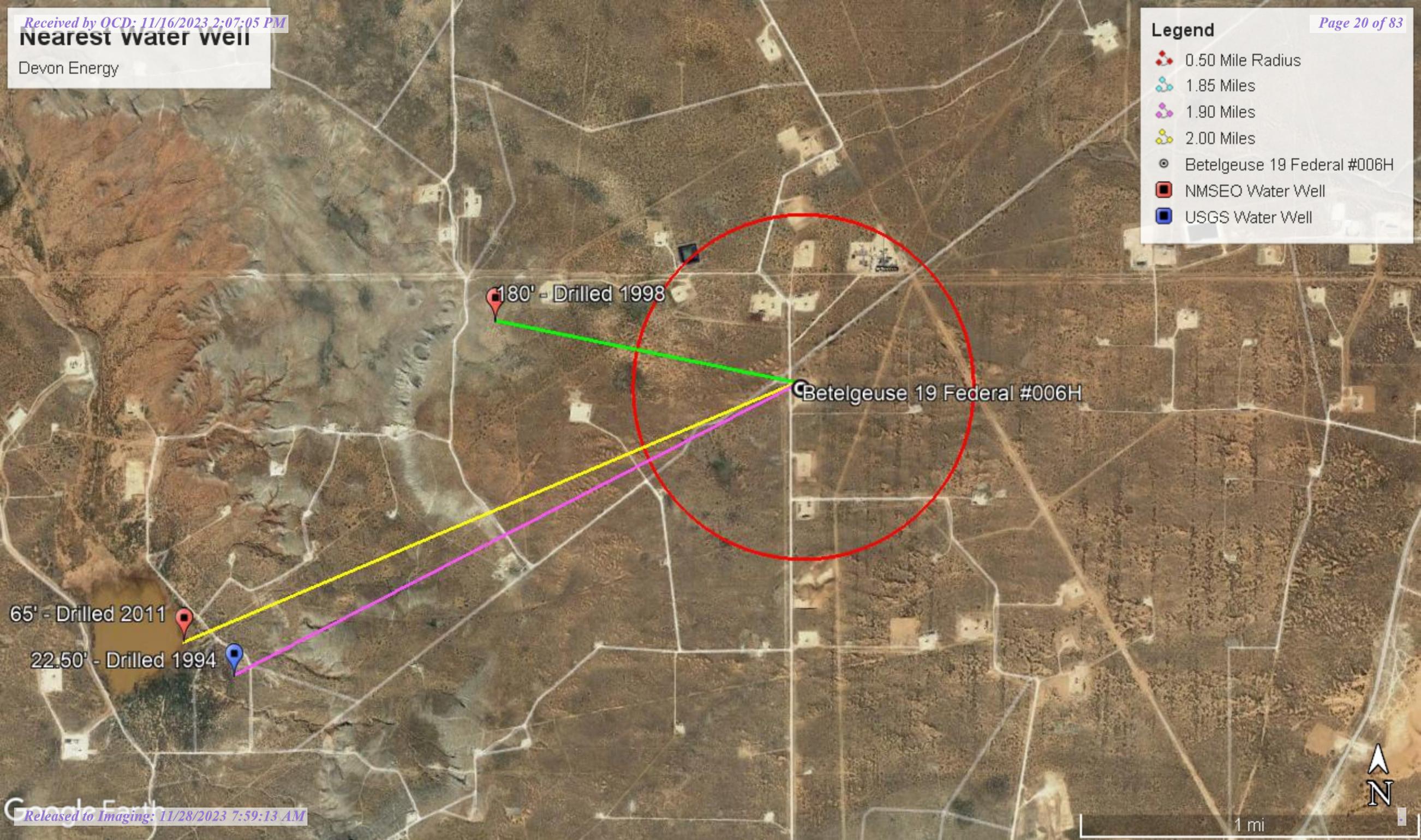


Nearest water well

Devon Energy

Legend

- 0.50 Mile Radius
- 1.85 Miles
- 1.90 Miles
- 2.00 Miles
- Betelgeuse 19 Federal #006H
- NMSEO Water Well
- USGS Water Well



180' - Drilled 1998

Betelgeuse 19 Federal #006H

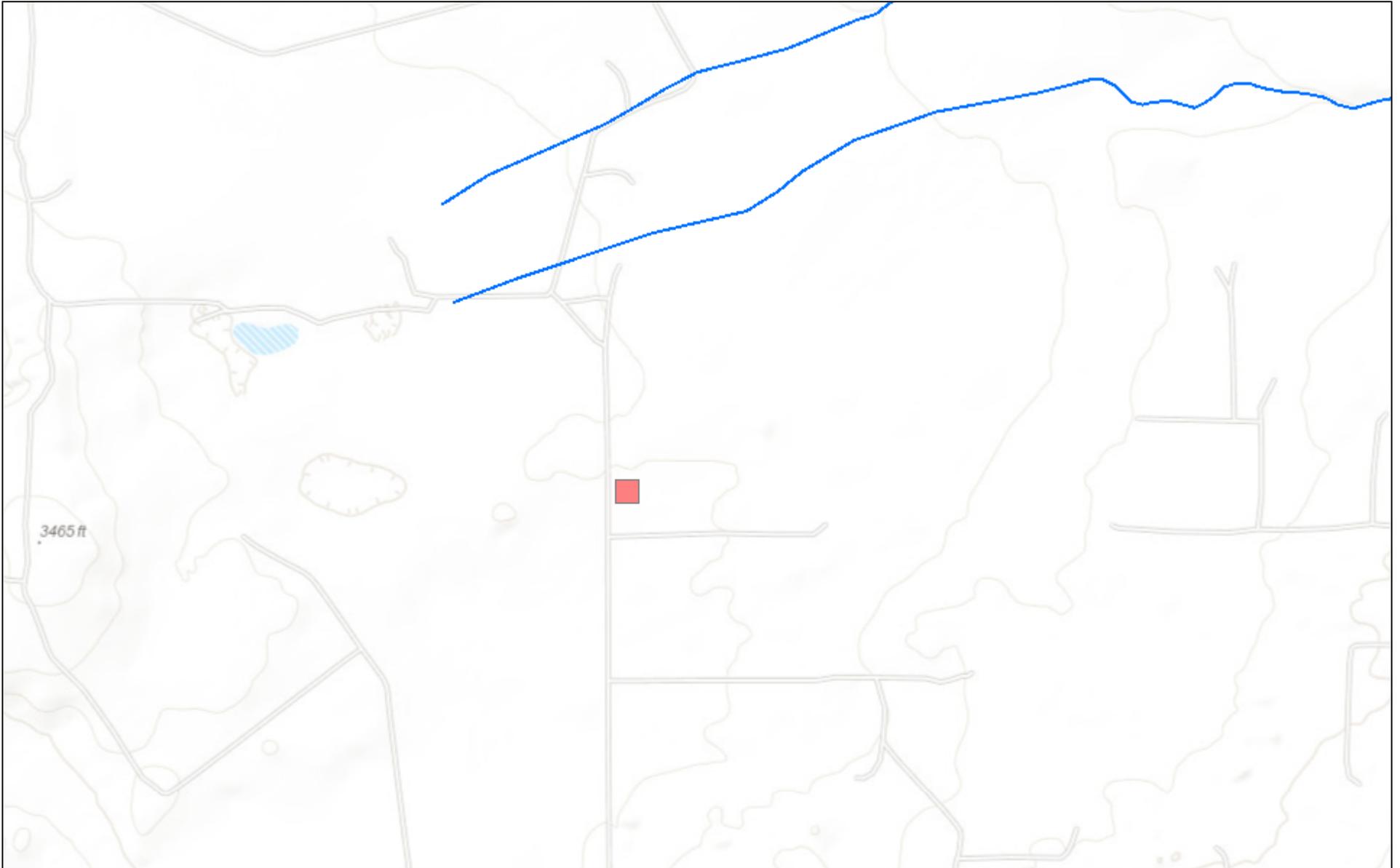
65' - Drilled 2011

22.50' - Drilled 1994

1 mi

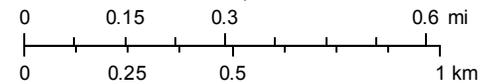


New Mexico NFHL Data



January 26, 2022

1:18,056



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,



National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
 site_no list = 323810103554201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 323810103554201 19S.30E.25.12133

Eddy County, New Mexico
 Latitude 32°38'10", Longitude 103°55'42" NAD27
 Land-surface elevation 3,248 feet above NAVD88
 The depth of the well is 42 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1968-04-03			D 62610		3227.09	NGVD29	1	Z		
1968-04-03			D 62611		3228.60	NAVD88	1	Z		
1968-04-03			D 72019	19.40			1	Z		
1971-02-01			D 62610		3226.96	NGVD29	1	Z		
1971-02-01			D 62611		3228.47	NAVD88	1	Z		
1971-02-01			D 72019	19.53			1	Z		
1976-12-10			D 62610		3225.44	NGVD29	1	Z		
1976-12-10			D 62611		3226.95	NAVD88	1	Z		
1976-12-10			D 72019	21.05			1	Z		
1977-11-18			D 62610		3223.76	NGVD29	1	Z		
1977-11-18			D 62611		3225.27	NAVD88	1	Z		
1977-11-18			D 72019	22.73			1	Z		
1977-12-05			D 62610		3223.84	NGVD29	1	Z		
1977-12-05			D 62611		3225.35	NAVD88	1	Z		

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measu
1977-12-05			D	72019	22.65		1	Z		
1977-12-16			D	62610		3223.51	NGVD29	1	Z	
1977-12-16			D	62611		3225.02	NAVD88	1	Z	
1977-12-16			D	72019	22.98		1	Z		
1977-12-20			D	62610		3223.80	NGVD29	1	Z	
1977-12-20			D	62611		3225.31	NAVD88	1	Z	
1977-12-20			D	72019	22.69		1	Z		
1978-01-18			D	62610		3223.12	NGVD29	1	Z	
1978-01-18			D	62611		3224.63	NAVD88	1	Z	
1978-01-18			D	72019	23.37		1	Z		
1978-02-03			D	62610		3223.92	NGVD29	1	Z	
1978-02-03			D	62611		3225.43	NAVD88	1	Z	
1978-02-03			D	72019	22.57		1	Z		
1978-02-23			D	62610		3223.99	NGVD29	1	Z	
1978-02-23			D	62611		3225.50	NAVD88	1	Z	
1978-02-23			D	72019	22.50		1	Z		
1978-03-30			D	62610		3224.02	NGVD29	1	Z	
1978-03-30			D	62611		3225.53	NAVD88	1	Z	
1978-03-30			D	72019	22.47		1	Z		
1978-05-04			D	62610		3223.84	NGVD29	1	Z	
1978-05-04			D	62611		3225.35	NAVD88	1	Z	
1978-05-04			D	72019	22.65		1	Z		
1978-05-22			D	62610		3223.53	NGVD29	1	Z	
1978-05-22			D	62611		3225.04	NAVD88	1	Z	
1978-05-22			D	72019	22.96		1	Z		
1978-06-08			D	62610		3223.60	NGVD29	1	Z	
1978-06-08			D	62611		3225.11	NAVD88	1	Z	
1978-06-08			D	72019	22.89		1	Z		
1978-07-17			D	62610		3224.47	NGVD29	1	Z	
1978-07-17			D	62611		3225.98	NAVD88	1	Z	
1978-07-17			D	72019	22.02		1	Z		
1978-08-17			D	62610		3223.46	NGVD29	1	Z	
1978-08-17			D	62611		3224.97	NAVD88	1	Z	
1978-08-17			D	72019	23.03		1	Z		
1978-09-27			D	62610		3223.49	NGVD29	1	Z	
1978-09-27			D	62611		3225.00	NAVD88	1	Z	
1978-09-27			D	72019	23.00		1	Z		
1978-12-14			D	62610		3224.82	NGVD29	1	Z	
1978-12-14			D	62611		3226.33	NAVD88	1	Z	
1978-12-14			D	72019	21.67		1	Z		
1979-01-17			D	62610		3224.86	NGVD29	1	Z	
1979-01-17			D	62611		3226.37	NAVD88	1	Z	
1979-01-17			D	72019	21.63		1	Z		
1979-02-14			D	62610		3224.93	NGVD29	1	Z	
1979-02-14			D	62611		3226.44	NAVD88	1	Z	
1979-02-14			D	72019	21.56		1	Z		
1979-03-14			D	62610		3224.90	NGVD29	1	Z	
1979-03-14			D	62611		3226.41	NAVD88	1	Z	
1979-03-14			D	72019	21.59		1	Z		
1983-01-18			D	62610		3233.72	NGVD29	1	Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measur
1983-01-18		D	62611		3235.23	NAVD88	1	Z		
1983-01-18		D	72019	12.77			1	Z		
1994-03-18		D	62610		3223.99	NGVD29	1	S		
1994-03-18		D	62611		3225.50	NAVD88	1	S		
1994-03-18		D	72019	22.50			1	S		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



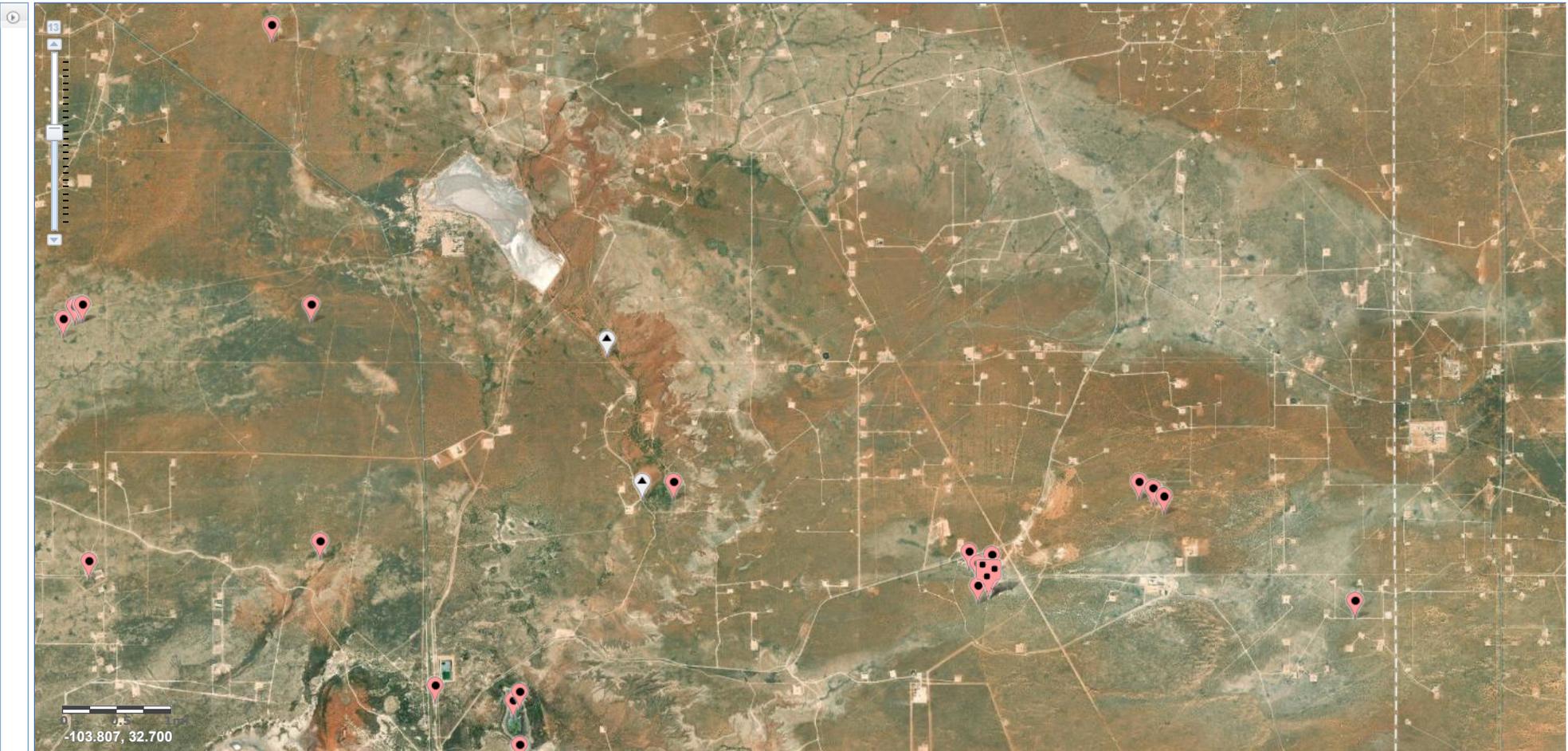
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Page Last Modified: 2022-01-26 12:04:19 EST

0.28 0.25 nadww01



National Water Information System: Mapper



Site Information



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number							
	CP 00722 POD2							
		(quarters are 1=NW 2=NE 3=SW 4=SE)			(NAD83 UTM in meters)			
		(quarters are smallest to largest)			X	Y		
		Q64	Q16	Q4	Sec	Tws	Rng	
		2	1	1	25	19S	30E	600276 3611620*

Driller License: 1058	Driller Company: KEY'S DRILLING & PUMP SERVICE	
Driller Name: KEY, CASEY		
Drill Start Date: 04/26/2011	Drill Finish Date: 05/02/2011	Plug Date:
Log File Date: 05/17/2011	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 100 GPM
Casing Size: 6.00	Depth Well: 350 feet	Depth Water: 65 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	68	Sandstone/Gravel/Conglomerate
	295	345	Sandstone/Gravel/Conglomerate

*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.

1/26/22 10:02 AM

POINT OF DIVERSION SUMMARY



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
	CP 00873 POD1	1 1 19 19S 31E	601772	3613147*

Driller License: 421	Driller Company: GLENN'S WATER WELL SERVICE	
Driller Name: GLENN, CLARK A."CORKY"		
Drill Start Date: 01/02/1998	Drill Finish Date: 01/05/1998	Plug Date:
Log File Date: 01/15/1998	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 50 GPM
Casing Size: 6.62	Depth Well: 340 feet	Depth Water: 180 feet

Water Bearing Stratifications:	Top	Bottom	Description
	240	320	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	226	340

Meter Number: 805	Meter Make: MASTER
Meter Serial Number: 1748543	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/1999	1999	37400	A	fm		0
01/15/1999	1999	43541	A	fm		1.885
04/27/2000	2000	14849	R	jw	Meter Rollover	298.083
07/31/2000	2000	24399	A	jw		2.931

**YTD Meter Amounts:	Year	Amount
	1999	1.885
	2000	301.014

*UTM location was derived from PLSS - see Help

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1/26/22 10:01 AM

POINT OF DIVERSION SUMMARY



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	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00873 POD1	CP	LE		1	1	19	19S	31E		601772	3613147*	1496	340	180	160
CP 00357 POD1	CP	ED		4	4	1	24	19S	30E	600667	3612631*	2581	630		
CP 00725 POD1	CP	ED		1	3	3	28	19S	31E	604906	3610473*	2906	231		
CP 00357 POD2	CP	ED		4	3	1	24	19S	30E	600265	3612627*	2982	630		
CP 00829 POD1	CP	LE		2	4	16	19S	31E		606165	3614009*	3145	120		
CP 00722 POD1	CP	LE		4	3	3	28	19S	31E	605106	3610273*	3185	200		
CP 00722 POD1	R CP	LE		4	3	3	28	19S	31E	605106	3610273*	3185	200		
CP 00722 POD2	CP	ED		2	1	1	25	19S	30E	600276	3611620*	3209	350	65	285
CP 00723 POD1	CP	ED		2	1	1	33	19S	31E	605111	3610071*	3354	139		
CP 00722 POD3	CP	LE		2	4	1	33	19S	31E	605519	3609673*	3913	220	140	80
CP 01554 POD2	CP	LE		2	2	1	22	19S	31E	607165	3613322	3954	400		
CP 01554 POD1	CP	LE		2	2	1	22	19S	31E	607166	3613354	3958	400		

Average Depth to Water: **128 feet**
 Minimum Depth: **65 feet**
 Maximum Depth: **180 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 603239.15

Northing (Y): 3612854.38

Radius: 4000

*UTM location was derived from PLSS - see Help

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TABLES

Table 1. Soil Analytical Results - Site Assessment
Devon Energy
Betelgeuse 19 Federal #006H
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	1/25/2022	0-1	53.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,760
		1-1.5	20.4	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,120
		2-2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928
		3-3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
S-2	1/25/2022	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	18,600
		1-1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,960
		2-2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
		3-3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576
H-1	1/25/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
H-2	1/25/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	816
H-3	1/25/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
H-4	1/25/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Regulatory Limits ^A			N/A				100 mg/kg	10 mg/kg	N/A		50 mg/kg	600 mg/kg

 - exceeds regulatory limits

TPH- Total Petroleum Hydrocarbons

mg/kg - milligram per kilogram

ft-feet

^A - Table 1 - 19.15.29 NMAC

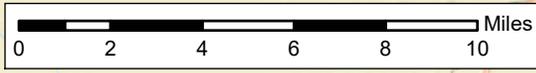
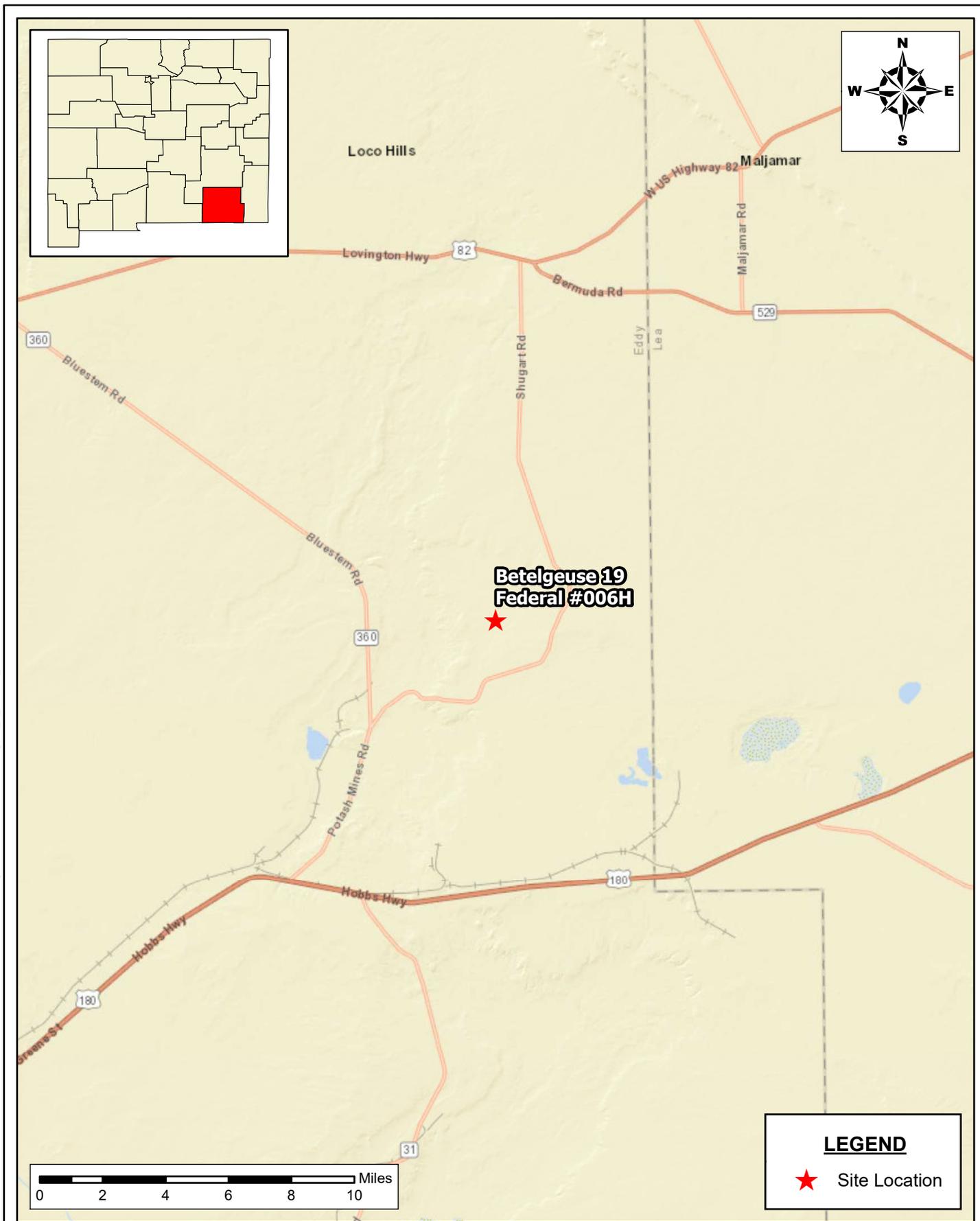
Table 2. Soil Analytical Results - Excavation Confirmation Samples
Devon Energy
Betelgeuse 19 Federal #006H
Eddy County, New Mexico

Sample ID	Date	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
		DRO	GRO	MRO	Total						
C-1	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	128
C-2	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	304
C-3	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	400
C-4	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	176
C-5	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	224
C-6	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	400
C-7	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	352
C-8	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	416
C-9	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	112
C-10	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	160
C-11	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	240
SW-1	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	272
SW-2	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	512
SW-3	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	448
SW-4	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	128
SW-5	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	240
SW-6	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	560
SW-7	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	320
SW-8	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	16
SW-9	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	112
SW-10	3/24/2022	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<.300	480
Regulatory Limits ^A		N/A				100 mg/kg	10 mg/kg	N/A		50 mg/kg	600 mg/kg

- exceeds regulatory limits
 TPH- Total Petroleum Hydrocarbons
 mg/kg - milligram per kilogram
 ft-feet

FIGURES

Document Path: P:\2022 PROJECTS\DEVON\225187 - BETELGEUSE 19 FEDERAL #006H17 - Figures\GIS\Geodatabase\Figure_1_SLM\Map_01312022.mxd



LEGEND

★ Site Location

SITE LOCATION MAP
DEVON ENERGY
 BETELGEUSE 19 FEDERAL #006H
 EDDY COUNTY, NEW MEXICO
 32.6484909, -103.8992157

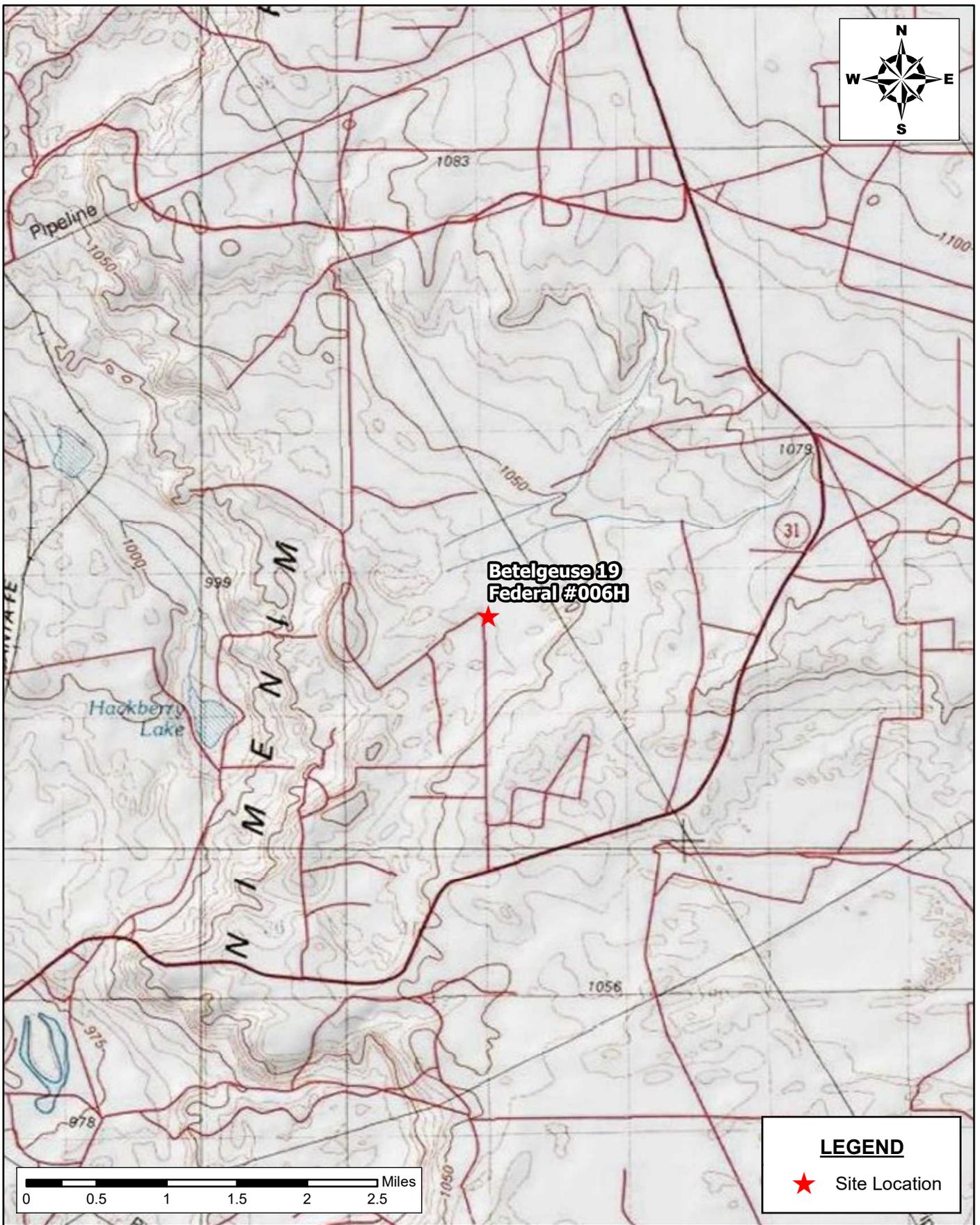
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NTG ENVIRONMENTAL
 New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntglobal.com

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
 SHEET NUMBER:
1 of 1

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AREA MAP
DEVON ENERGY
 BETELGEUSE 19 FEDERAL #006H
 EDDY COUNTY, NEW MEXICO
 32.6484909, -103.8992157

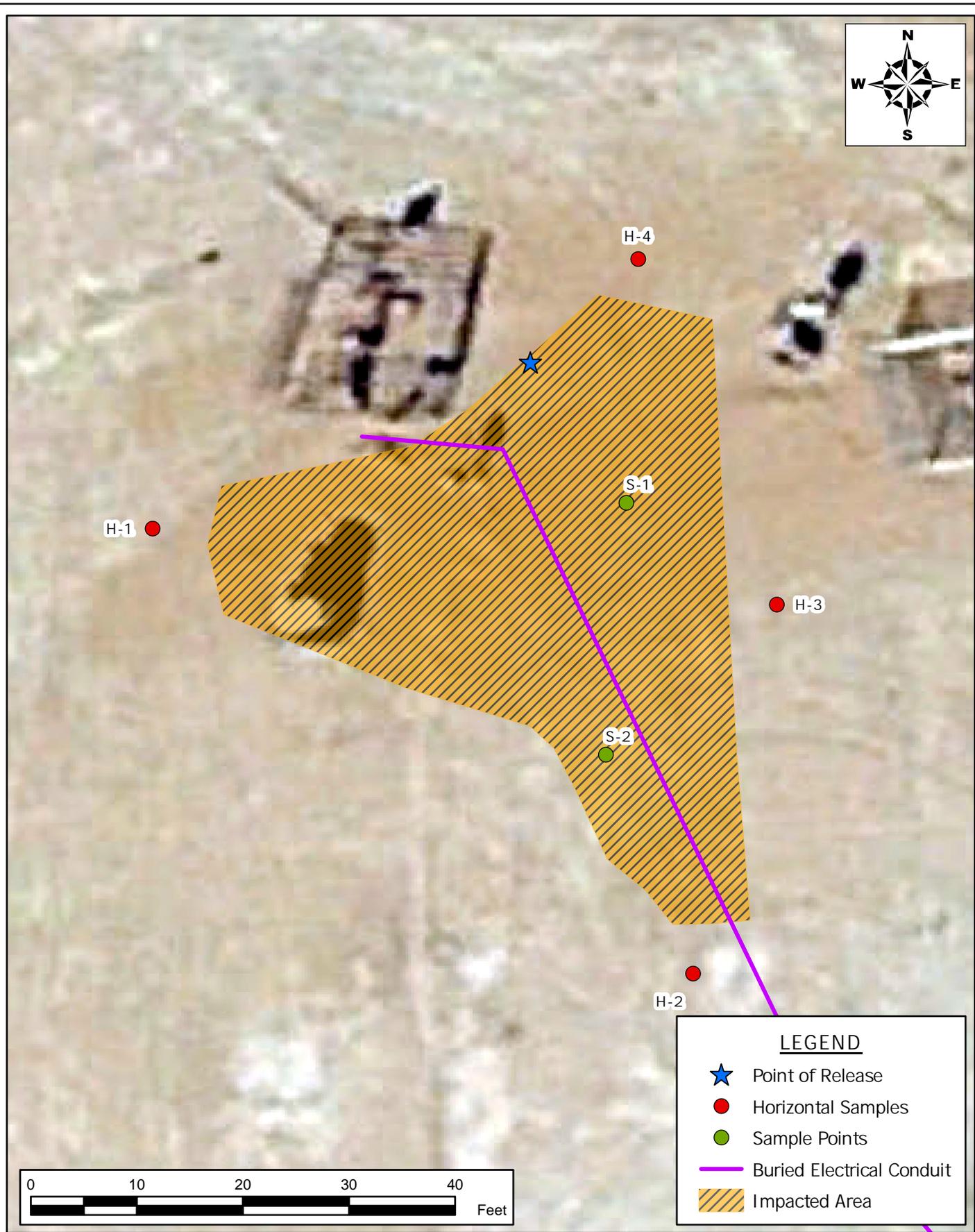
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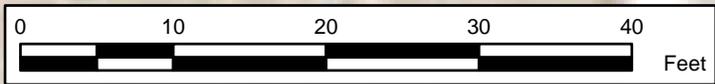
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FIGURE 2
 SHEET NUMBER:
1 of 1

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LEGEND

-  Point of Release
-  Horizontal Samples
-  Sample Points
-  Buried Electrical Conduit
-  Impacted Area



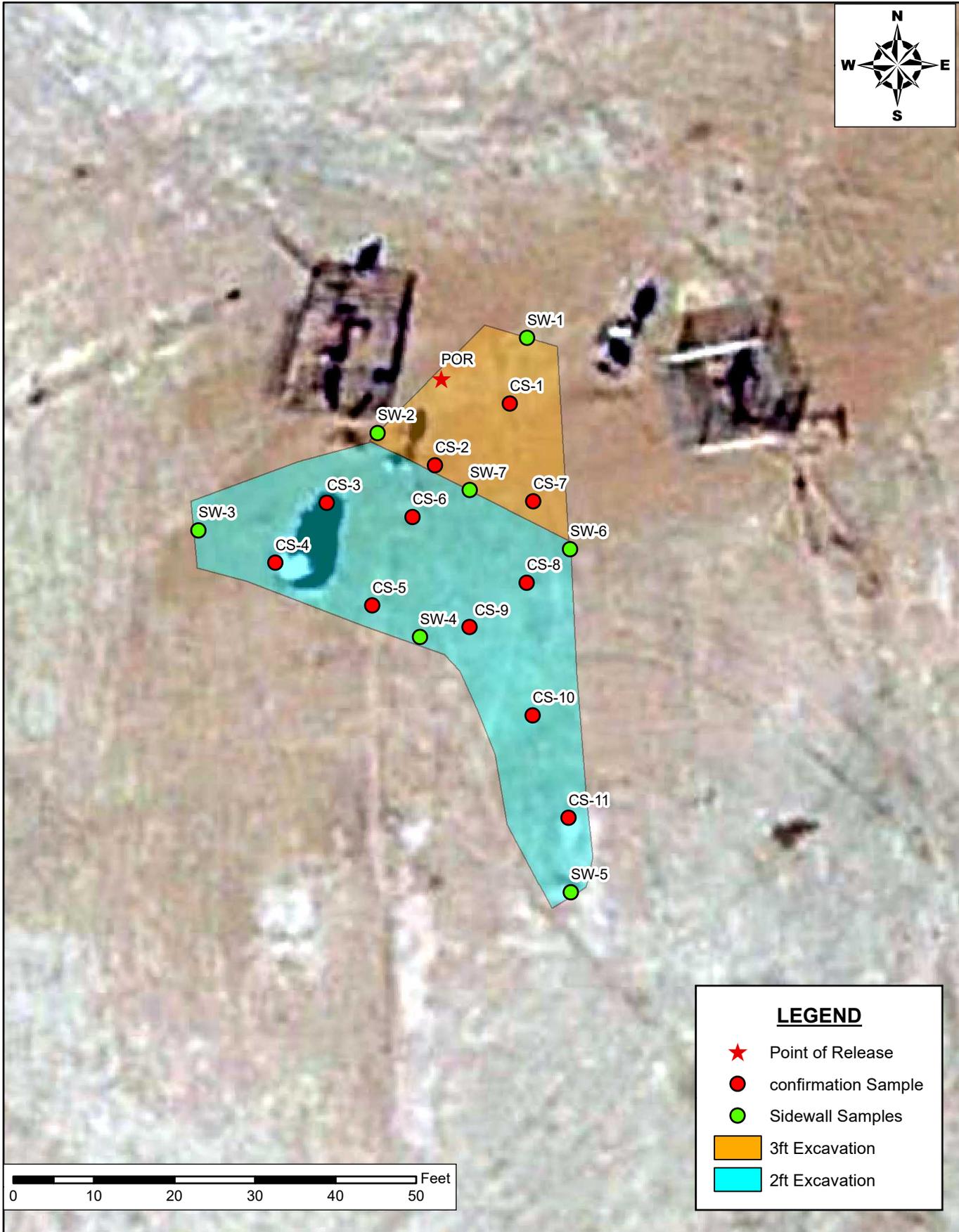
SAMPLE LOCATION MAP
DEVON ENERGY
 BETELGEUSE 19 FEDERAL #006H
 EDDY COUNTY, NEW MEXICO
 32.6484909, -103.8992157


New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntglobal.com

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
 SHEET NUMBER:
1 of 1

Document Path: P:\2022 PROJECTS\DEVON\IRSC\225187 - BETELGEUSE 19 FEDERAL #006H17 - Figures\GIS\Geodatabase\Figure_4_ExcavationMap_01312022.mxd



LEGEND

- ★ Point of Release
- confirmation Sample
- Sidewall Samples
- 3ft Excavation
- 2ft Excavation

**AREA MAP
DEVON**
 BETELGEUSE 19 FEDERAL #006H
 EDDY COUNTY, NEW MEXICO
 32.6484909, -103.8992157

SCALE: As Shown Date: 4/4/2022 PROJECT #: 225187

NTG ENVIRONMENTAL
 New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntglobal.com

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4
 SHEET NUMBER:
1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

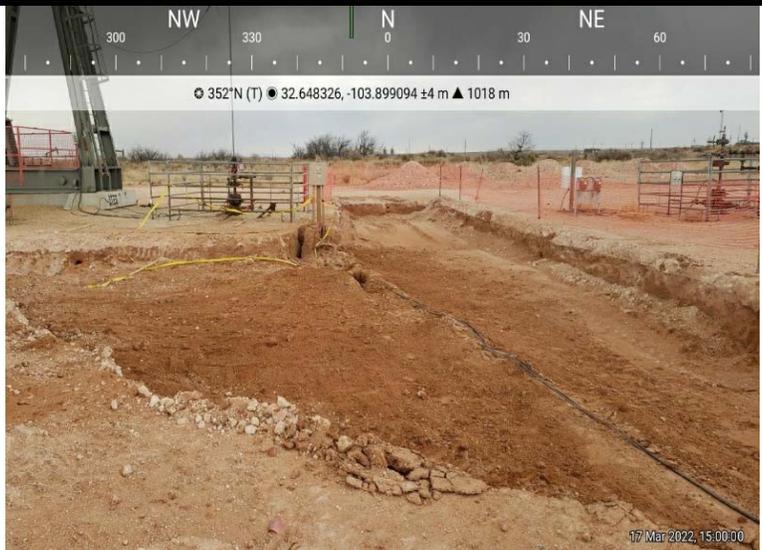
Devon Energy Production Company

Photograph No. 1

Facility: Betelgeuse 19 Federal #006H

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 2

Facility: Betelgeuse 19 Federal #006H

County: Eddy County, New Mexico

Description:
View of excavation.

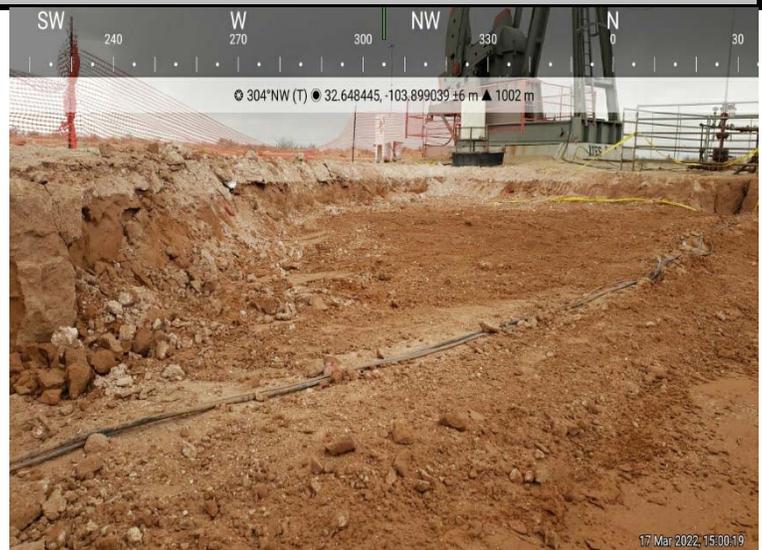


Photograph No. 3

Facility: Betelgeuse 19 Federal #006H

County: Eddy County, New Mexico

Description:
View of excavation.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Betelgeuse 19 Federal #006H

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 5

Facility: Betelgeuse 19 Federal #006H

County: Eddy County, New Mexico

Description:
View of excavation.



Photograph No. 6

Facility: Betelgeuse 19 Federal #006H

County: Eddy County, New Mexico

Description:
View of excavation.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

January 28, 2022

ASHTON THIELKE
NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND, TX 79706

RE: BETELGEUSE 19 FEDERAL #006H

Enclosed are the results of analyses for samples received by the laboratory on 01/25/22 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: H - 1 (0-0.5') (H220282-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	185	92.5	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	227	113	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.1 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: H - 2 (0-0.5') (H220282-02)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	185	92.5	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	227	113	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: H - 3 (0-0.5') (H220282-03)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	185	92.5	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	227	113	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: H - 4 (0-0.5') (H220282-04)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	185	92.5	200	1.61	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	227	113	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 1 (0-1') (H220282-05)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	185	92.5	200	1.61	
DRO >C10-C28*	53.0	10.0	01/27/2022	ND	227	113	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 1 (1-1.5') (H220282-06)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	185	92.5	200	1.61	
DRO >C10-C28*	20.4	10.0	01/27/2022	ND	227	113	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 1 (2-2.5') (H220282-07)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	193	96.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	189	94.7	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.8 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 1 (3-3.5') (H220282-08)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	193	96.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	189	94.7	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 2 (0-1') (H220282-09)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18600	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	193	96.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	189	94.7	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 2 (1-1.5') (H220282-10)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	193	96.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	189	94.7	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 2 (2-2.5') (H220282-11)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	193	96.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	189	94.7	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ASHTON THIELKE
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	01/25/2022	Sampling Date:	01/25/2022
Reported:	01/28/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: S - 2 (3-3.5') (H220282-12)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2022	ND	2.12	106	2.00	2.03	
Toluene*	<0.050	0.050	01/28/2022	ND	2.04	102	2.00	2.07	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	2.02	101	2.00	2.31	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	6.04	101	6.00	3.33	
Total BTEX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/27/2022	ND	416	104	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	01/27/2022	ND	193	96.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	189	94.7	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTL Project Manager: Ashley Thielke Address: 701 Tradewinds Blvd City: Midland State: Tx Zip: 79706 Phone #: 432.413.0263 Fax #: _____ Project #: _____ Project Owner: Devon Energy Project Name: Beklyouse 19 Federal #00611 Project Location: Eddy Co, NM Sampler Name: A Thielke		BILL TO P.O. #: 20999996 Company: Devon Energy Attn: Wesley Matthews Address: 6488 Sans Nursery City: Artesia State: NM Zip: 88210 Phone #: 575-513-8608 Fax #: _____	
FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ H320D388		MATRIX GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	
PREPARED BY: _____ DATE: _____ RECEIVED BY: _____ DATE: _____ TIME: _____		PRESERV. _____ SAMPLING _____	
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.		ANALYSIS REQUEST BTEX 8021 B TPH 8015M (GRO-DRO+MRO) Chloride 4500	
Refiniquished By: _____ Relinquished By: _____ Delivered By: (Circle One) _____ Sampler - UPS - Bus - Other: _____		Observed Temp. °C 15.3 Corrected Temp. °C 14.8 Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) AT Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____	
Remarks: At Thielke@ntglobal.com		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

March 24, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BETELGEUSE 19 FEDERAL #006H

Enclosed are the results of analyses for samples received by the laboratory on 03/22/22 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 1 (H221128-01)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49		
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69		
Total BTEX	<0.300	0.300	03/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/23/2022	ND	448	112	400	3.64		

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	03/23/2022	ND	179	89.3	200	5.32		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	208	104	200	4.36		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 88.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 2 (H221128-02)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/23/2022	ND	448	112	400	3.64	

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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 3 (H221128-03)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49		
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69		
Total BTEX	<0.300	0.300	03/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/23/2022	ND	448	112	400	3.64		

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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 78.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 4 (H221128-04)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/23/2022	ND	448	112	400	3.64	

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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.6 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 5 (H221128-05)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49		
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/23/2022	ND	448	112	400	3.64		

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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 81.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.8 % 59.5-142

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 6 (H221128-06)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49	
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69	
Total BTEX	<0.300	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/23/2022	ND	448	112	400	3.64	

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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 7 (H221128-07)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49		
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/23/2022	ND	448	112	400	3.64		

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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 8 (H221128-08)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2022	ND	1.84	91.9	2.00	5.49		
Toluene*	<0.050	0.050	03/23/2022	ND	1.92	96.1	2.00	5.43		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.94	97.0	2.00	5.93		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.00	100	6.00	5.69		
Total BTEX	<0.300	0.300	03/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/23/2022	ND	448	112	400	3.64		

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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 74.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 9 (H221128-09)

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	03/23/2022	ND	1.90	95.2	2.00	6.68	
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72	
Total BTEX	<0.300	0.300	03/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/23/2022	ND	448	112	400	3.64	

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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 10 (H221128-10)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/23/2022	ND	448	112	400	3.64		

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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 72.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: CS - 11 (H221128-11)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/23/2022	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	03/24/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/24/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/24/2022	ND						

Surrogate: 1-Chlorooctane 89.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 1 (H221128-12)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 69.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 2 (H221128-13)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 83.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 3 (H221128-14)

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	03/23/2022	ND	1.90	95.2	2.00	6.68	
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72	
Total BTEX	<0.300	0.300	03/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 4 (H221128-15)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 82.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 5 (H221128-16)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 82.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 6 (H221128-17)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 74.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 7 (H221128-18)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 79.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 8 (H221128-19)

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	03/24/2022	ND	1.90	95.2	2.00	6.68	
Toluene*	<0.050	0.050	03/24/2022	ND	2.05	103	2.00	7.01	
Ethylbenzene*	<0.050	0.050	03/24/2022	ND	2.04	102	2.00	6.46	
Total Xylenes*	<0.150	0.150	03/24/2022	ND	6.65	111	6.00	6.72	
Total BTEX	<0.300	0.300	03/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 9 (H221128-20)

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	03/23/2022	ND	1.90	95.2	2.00	6.68		
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01		
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46		
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72		
Total BTEX	<0.300	0.300	03/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/22/2022	Sampling Date:	03/22/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	BETELGEUSE 19 FEDERAL #006H	Sampling Condition:	Cool & Intact
Project Number:	225187	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SW - 10 (H221128-21)

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	03/23/2022	ND	1.90	95.2	2.00	6.68	
Toluene*	<0.050	0.050	03/23/2022	ND	2.05	103	2.00	7.01	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	2.04	102	2.00	6.46	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	6.65	111	6.00	6.72	
Total BTEX	<0.300	0.300	03/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/23/2022	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	03/23/2022	ND	192	95.9	200	2.93	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	250	125	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.4 % 59.5-142

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Notes and Definitions

- 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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1881128

Page 2 of 3

Project Manager:	Ethan Sessums	Bill To: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley Mathews@dvn.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Iupertund	State of Project:
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
Belteiguse 19 Federal #006H	225187	Eddy Co. NM	Kevin Valdez	20997796	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	113				None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPP	
SAMPLE RECEIPT					Temp Blank:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No					
Received Intact:					Thermometer ID:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No					
Cooler Custody Seals:					Correction Factor:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No					
Sample Custody Seals:					Temperature Reading:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No					
Total Containers:					Corrected Temperature:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No					
					21							
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont					
CS-11		3/22/2022		X		Comp	1	X	X	X		
SW-1		3/22/2022		X		Comp	1	X	X	X		
SW-2		3/22/2022		X		Comp	1	X	X	X		
SW-3		3/22/2022		X		Comp	1	X	X	X		
SW-4		3/22/2022		X		Comp	1	X	X	X		
SW-5		3/22/2022		X		Comp	1	X	X	X		
SW-6		3/22/2022		X		Comp	1	X	X	X		
SW-7		3/22/2022		X		Comp	1	X	X	X		
SW-8		3/22/2022		X		Comp	1	X	X	X		
SW-9		3/22/2022		X		Comp	1	X	X	X		

Additional Comments:

Note: Signatures of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3/20/22 1515			

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 286448

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 286448
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	11/28/2023