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	NRM2033654298
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **SIMCOE LLC** (BP as contractor)	OGRID **329736** Initial/Final
Contact Name **Steve Moskal**	Contact Telephone **(505) 330-9179**
Contact email **Steven.Moskal@bpx.com**	Incident # *(assigned by OCD)* TBD
Contact mailing address **1199 Main Ave., Suite 101, Durango, CO 81301**	

Location of Release Source

Latitude **36.904209** Longitude **-107.507027**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **Northeast Blanco Unit 496A**	Site Type **Natural Gas Well**
Date Release Discovered **November 6, 2020**	API# *(if applicable)* **3004531364**

Unit Letter	Section	Township	Range	County
C	**18**	**31N**	**06W**	**San Juan**

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) **18.0**	Volume Recovered (bbls) **None**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release **Corrosion from eastern most above ground storage tanks was observed at the north side. The integrity issue resulted in the release of approximately 18.0 barrels of produced water.**

The surface area impacts measure less than 400 square feet surrounding the storage tank. Email notification was transmitted on November 7, 2020 to NMOCD & BLM. Sampling was conducted on November 10, 2020. Two (2) 5 point composites were collected for lab analysis of chloride per US EPA Method 300.0, Total Petroleum Hydrocarbons per US EPA Method 8015D, benzene, toluene, ethylbenzene, and total xylenes (BTEX) per US EPA Method 8021B. All parameters met the applied closure standard per Section 13 of 19.15.29 NMAC.

The closure of this release adheres to 19.15.29 NMAC. No further action is requested.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2033654298
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?

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

Not required.

Initial Response

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

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

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

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

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

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: Steven Moskal 2020.11.19 16:55:37 -07'00' Date: 11/19/2020

email: Steve.Moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: Ramona Marcus Date: 12/1/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2033654298
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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NRM2033654298
District RP	
Facility ID	
Application ID	

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

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: Steven Moskal 2020.11.19 16:55:57 -07'00' Date: 11/19/2020

email: Steve.Moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: Ramona Marcus Date: 12/1/2020

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2033654298
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: Steven Moskal 2020.11.19 16:56:15 -07'00' Date: 11/19/2020

email: Steve.Moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: Ramona Marcus Date: 12/1/2020

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: _____ Date: _____

Printed Name: _____ Title: _____

From: Steven Moskal <Steven.Moskal@BPX.COM>
Sent: Saturday, November 7, 2020 11:52 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Adeloye, Abiodun <aadeloye@blm.gov>
Cc: Nelson Velez <nvelez@cottonwoodconsulting.com>; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com>
Subject: [EXT] Spill Notification and Sampling

Cory and Emmanuel,

A release of approximately 18 bbls of produced water from an aboveground production tank was discovered at the NEBU 496A yesterday afternoon. All water was contained to the earthen berm. We plan to perform a site assessment and sampling (for potential closure) on Tuesday, 11/10/20, at 9:00 AM.

API: 30-045-31364
C-18-31N-06W
36.904236, -107.507099

Thank you,

Steve Moskal | *Environmental Coordinator*
BP America Production Co. | bpx energy – WBU
1199 Main Ave. | Suite 101 | Durango | CO | 81301
Direct: 505.330.9179 | steven.moskal@bpx.com

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Monday, November 9, 2020 7:29 AM
To: Steven Moskal <Steven.Moskal@BPX.COM>; Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: Nelson Velez <nvelez@cottonwoodconsulting.com>; Kyle Siesser (ksiesser@cottonwoodconsulting.com) <ksiesser@cottonwoodconsulting.com>; 'Jake Harter' (jharter@cottonwoodconsulting.com) <jharter@cottonwoodconsulting.com>
Subject: [EXTERNAL] RE: Spill Notification and Sampling

Steve,

Thank you for the notice, for sampling on Tuesday, 11/10/20, at 9:00 AM. If an OCD representative is not onsite Please sample per 19.15.29 NMAC. If sampling time changes please contact OCD ASAP to communicate the change.

Thank you,

Cory Smith | Environmental Specialist
Oil Conservation Division | Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115 | cory.smith@state.nm.us

From: Adeloye, Abiodun A
Sent: Monday, November 9, 2020 9:59 AM
To: Smith, Cory, EMNRD; Steven Moskal
Cc: Nelson Velez; Kyle Siesser; Jacob Harter
Subject: Re: [EXTERNAL] RE: Spill Notification and Sampling

Thank you Steve.

Abiodun Adeloye (Emmanuel), NRS
Bureau of Land Management | Farmington Field Office
6251 College Blvd., Suite A | Farmington, NM 87402
Office Phone: 505-564-7665 | Cell Phone: 505-635-0984

CLIENT: SIMCOE

COTTONWOOD CONSULTING LLC
P.O. BOX 1653, DURANGO, COLO. 81302
(970) 764-7356

API #: 3004531364
TANK ID (if applicble): -

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:
Production Tank Release Sampling

PAGE #: 1 of 1

SITE INFORMATION:

SITE NAME: NEBU # 496A

QUAD/UNIT: C SEC: 18 TWP: 31N RNG: 6W PM: NM CNTY: SJ ST: NM

1/4 -1/4/FOOTAGE: 1,020'N / 1,650'W NE/NW LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

LEASE #: SF078970 PROD. FORMATION: FT CONTRACTOR: -

DATE STARTED: 11/10/20
DATE FINISHED:
ENVIRONMENTAL SPECIALIST(S): NJV

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.903943 X 107.507264 GL ELEV.: 6,584'

		GPS COORD.	DISTANCE/BEARING FROM P&A
1)	Production Tank West (W)	36.904231 X 107.507082	118', N27E
2)	Production Tank East (E)	36.904228 X 107.507021	126', N34E
3)			
4)			

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED: ENVIROTECH

	SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	OVM READING (ppm)
1)	#1 5PC - SA @ 2" - 10"	11/10/20	0935	8015B/8021B/300.0 (Cl)	1.1
2)	#2 5PC - SA @ 2" - 10"	11/10/20	0940	8015B/8021B/300.0 (Cl)	2.2
3)					
4)					
5)					

SOIL DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE) - OLIVE GRAY

SOIL COLOR: SOILS - DARK YELLOWISH ORANGE

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - BASED ON PHOTOGRAPHS TAKEN ON 11/06/2020.

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

HC ODOR DETECTED: YES / NO EXPLANATION -

ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION -

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION - PRODUCTION TANK E

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED : YES / NO EXPLANATION: PHOTOGRAPHED ON 11/06/2020.

EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION -

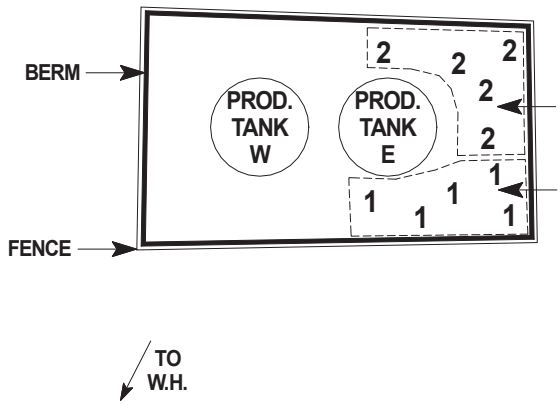
OTHER: NMOCD OR BLM REPS. NOT PRESENT TO WITNESS SAMPLING. BEDROCK OUTCROPPING SURROUNDING RELEASE AREA. BEDROCK APPROX. 10"-12" WITHIN BERM AREA. SOIL SATURATION MOST LIKELY FROM PRECIPITATION DAY PRIOR.

EXCAVATION DIMENSION ESTIMATION: NA ft. X NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards) : NA

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: 300'<x<1,000' NMOCD TPH CLOSURE STD: 2,500 ppm

SITE SKETCH

PLOT PLAN circle: attached



1 & 2 - S.P.D.

OVM CALIB. READ. = 103.1 ppm RF =1.00
OVM CALIB. GAS = 100 ppm
TIME: 9:25 am/pm DATE: 11/10/20

MISCELL. NOTES

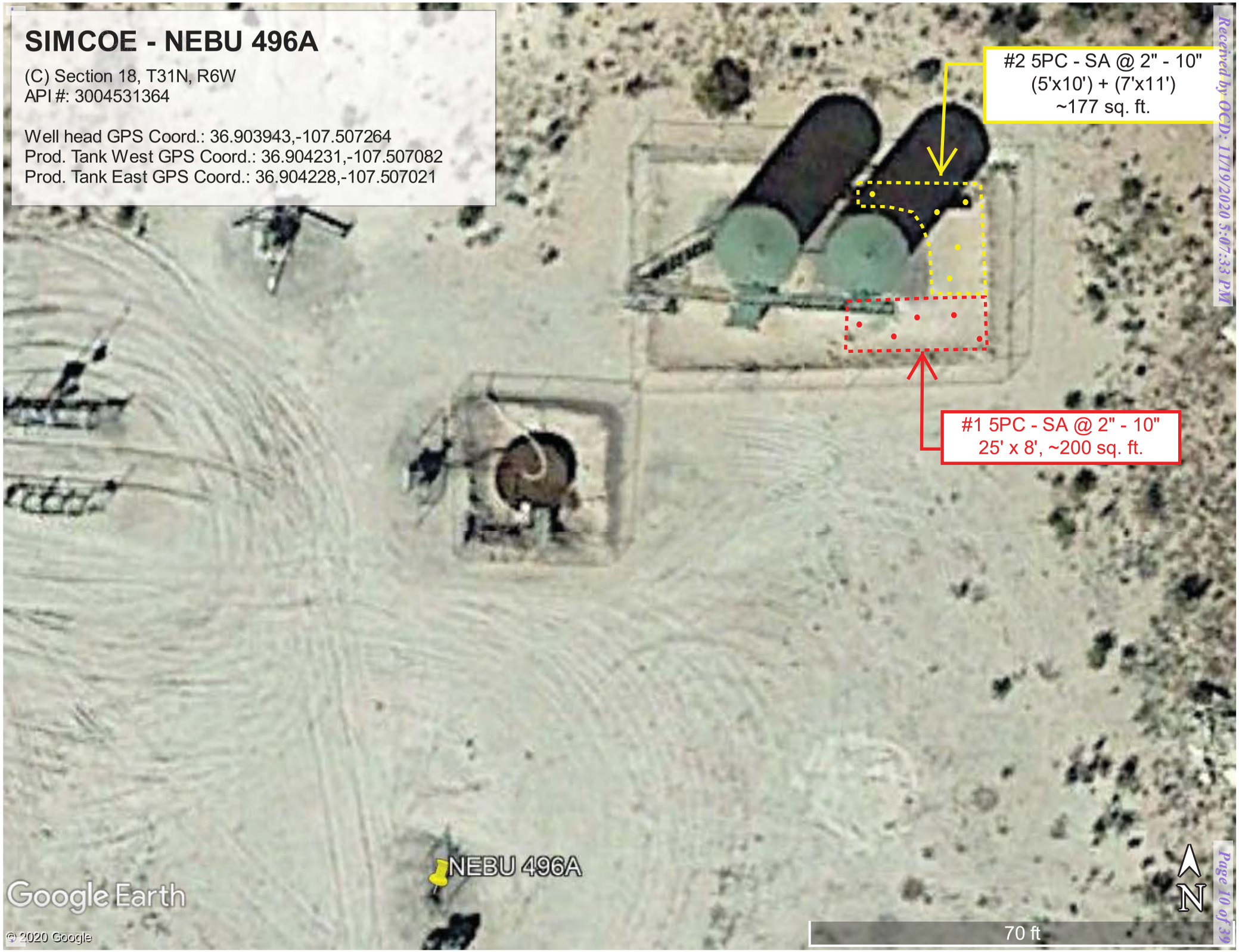
NMOCD NOTIFIC.: 11/06/20
SAMPLE DATE: 11/10/20

Tank ID	OVM = Organic Vapor Meter ppm = parts per million
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N

Magnetic declination: 10° E

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

NOTES: GOOGLE EARTH IMAGERY DATE: 10/5/2016 ONSITE: 11/10/20



Sample Data

BP America Production Co.	Project Name:	NEBU #496A	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/2020 8:26:09AM

#1 5PC - SA @ 2" - 10"

E011031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2046028
Benzene	ND	0.0250	1	11/12/20	11/12/20	
Toluene	ND	0.0250	1	11/12/20	11/12/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/12/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/12/20	
o-Xylene	ND	0.0250	1	11/12/20	11/12/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/12/20	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/12/20*	*11/12/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2046028
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*11/12/20*	*11/12/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2046025
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/20	11/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/12/20	11/14/20	
Surrogate: n-Nonane		*70.8 %*	*50-200*	*11/12/20*	*11/14/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2046029
Chloride	**266**	20.0	1	11/12/20	11/12/20	

Sample Data

BP America Production Co.	Project Name:	NEBU #496A	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/2020 8:26:09AM

#2 5PC - SA @ 2" - 10"

E011031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2046028
Benzene	ND	0.0250	1	11/12/20	11/12/20	
Toluene	ND	0.0250	1	11/12/20	11/12/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/12/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/12/20	
o-Xylene	ND	0.0250	1	11/12/20	11/12/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/12/20	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/12/20*	*11/12/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2046028
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*11/12/20*	*11/12/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2046025
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/20	11/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/12/20	11/14/20	
Surrogate: n-Nonane		*61.8 %*	*50-200*	*11/12/20*	*11/14/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: NE			Batch: 2046029
Chloride	**405**	20.0	1	11/12/20	11/12/20	

Project Information

Chain of Custody

Page 1 of 1

Client: BP	
Project: NEBU # 496A	
Project Manager: Steve Moskal	
Address: 1199 Main Ave., Suite 101	
City, State, Zip Durango, CO 81301	
Phone: (505) 330-9179 - S. Moskal	
Email: See "additional instructions" below	
Report due by: Standard TAT	

Bill To

Attention: Steve Moskal	
Address: 1199 Main Ave., Suite 101	
City, State, Zip Durango, CO 81301	
Phone: (505) 330-9179 - S. Moskal	
Email: Steven.Moskal@bpx.com	

Lab Use Only

Lab WO# E011031 Job Number 03143-0424

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				# composite pts.	grab sample	Remarks
0935	11/10/20	SOIL	1	#1 5PC - SA @ 2" - 10"	1	X	X	X			X				5		4 oz. jar
0940	11/10/20	SOIL	1	#2 5PC - SA @ 2" - 10"	2	X	X	X			X				5		4 oz. jar

Additional Instructions: Send emails to: Steven.Moskal@bpx.com, Erin.Dunman@bpx.com, ksiesser@cottonwoodconsulting.com, jharter@cottonwoodconsulting.com, & nvelez@cottonwoodconsulting.com. Use PO under 2H 2020 spill.

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Nelson Velez - (505) 320-3489

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/10/20	1412		11/10/20	14:12
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4.0

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

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

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

envirotech

Report to:
Steve Moskal
PO Box 22024
Tulsa, OK 74121-2024




5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

BP America Production Co.

Project Name:	NEBU #496A
Work Order:	E011031
Job Number:	03143-0424
Received:	11/10/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/17/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 11/17/20

Steve Moskal
PO Box 22024
Tulsa, OK 74121-2024

Project Name: NEBU #496A
Workorder: E011031
Date Received: 11/10/2020 2:12:00PM

Steve Moskal,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/10/2020 2:12:00PM, under the Project Name: NEBU #496A.

The analytical test results summarized in this report with the Project Name: NEBU #496A apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

BP America Production Co.	Project Name:	NEBU #496A	**Reported:**
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/20 08:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1 5PC - SA @ 2" - 10"	E011031-01A	Soil	11/10/20	11/10/20	Glass Jar, 4 oz.
#2 5PC - SA @ 2" - 10"	E011031-02A	Soil	11/10/20	11/10/20	Glass Jar, 4 oz.

QC Summary Data

BP America Production Co.	Project Name:	NEBU #496A	**Reported:**
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/2020 8:26:09AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2046028-BLK1)									Prepared: 11/12/20 Analyzed: 11/12/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.27*		*8.00*		*103*	*70-130*			
LCS (2046028-BS1)									Prepared: 11/12/20 Analyzed: 11/12/20
Benzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.81*		*8.00*		*110*	*70-130*			
Matrix Spike (2046028-MS1)				**Source: E011037-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Benzene	5.39	0.0250	5.00	ND	108	54-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
Ethylbenzene	5.32	0.0250	5.00	ND	106	61-133			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
o-Xylene	5.38	0.0250	5.00	ND	108	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.81*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2046028-MSD1)				**Source: E011037-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Benzene	5.21	0.0250	5.00	ND	104	54-133	3.53	20	
Toluene	5.18	0.0250	5.00	ND	104	61-130	3.96	20	
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133	3.76	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	3.83	20	
o-Xylene	5.17	0.0250	5.00	ND	103	63-131	3.86	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	3.84	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.76*		*8.00*		*110*	*70-130*			

QC Summary Data

BP America Production Co.	Project Name:	NEBU #496A	**Reported:**
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/2020 8:26:09AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2046028-BLK1)									Prepared: 11/12/20 Analyzed: 11/12/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.22*		*8.00*		*90.3*	*70-130*			
LCS (2046028-BS2)									Prepared: 11/12/20 Analyzed: 11/12/20
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.2*	*70-130*			
Matrix Spike (2046028-MS2)				**Source: E011037-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2046028-MSD2)				**Source: E011037-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.3	70-130	4.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			

QC Summary Data

BP America Production Co.	Project Name:	NEBU #496A	**Reported:**
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/2020 8:26:09AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2046025-BLK1)									Prepared: 11/12/20 Analyzed: 11/12/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*47.9*		*50.0*		*95.9*	*50-200*			
LCS (2046025-BS1)									Prepared: 11/12/20 Analyzed: 11/12/20
Diesel Range Organics (C10-C28)	456	25.0	500		91.2	38-132			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.6*	*50-200*			
Matrix Spike (2046025-MS1)				**Source: E011023-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.8	38-132			
Surrogate: n-Nonane	*37.3*		*50.0*		*74.5*	*50-200*			
Matrix Spike Dup (2046025-MSD1)				**Source: E011023-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Diesel Range Organics (C10-C28)	467	25.0	500	ND	93.3	38-132	3.64	20	
Surrogate: n-Nonane	*32.3*		*50.0*		*64.7*	*50-200*			

QC Summary Data

BP America Production Co.	Project Name:	NEBU #496A	**Reported:**
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/2020 8:26:09AM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2046029-BLK1)									Prepared: 11/12/20 Analyzed: 11/12/20
Chloride	ND	20.0							
LCS (2046029-BS1)									Prepared: 11/12/20 Analyzed: 11/12/20
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2046029-MS1)				**Source: E011037-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Chloride	415	20.0	250	148	107	80-120			
Matrix Spike Dup (2046029-MSD1)				**Source: E011037-01**					Prepared: 11/12/20 Analyzed: 11/12/20
Chloride	425	20.0	250	148	111	80-120	2.37	20	

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

Definitions and Notes

BP America Production Co.	Project Name:	NEBU #496A	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	11/17/20 08:26

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

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

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

Envirotech Analytical Laboratory

Printed: 11/10/2020 3:11:34PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	BP America Production Co.	Date Received:	11/10/20 14:12	Work Order ID:	E011031
Phone:	(505) 330-9179	Date Logged In:	11/10/20 15:08	Logged In By:	Alexa Michaels
Email:	steven.moskal@bpx.com	Due Date:	11/17/20 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Nelson Velez
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

email- Erin Dunman, K. Siesser, J. Harter and N. Velez

Client Instruction

email- Erin Dunman, K. Siesser, J. Harter and N. Velez

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

Date

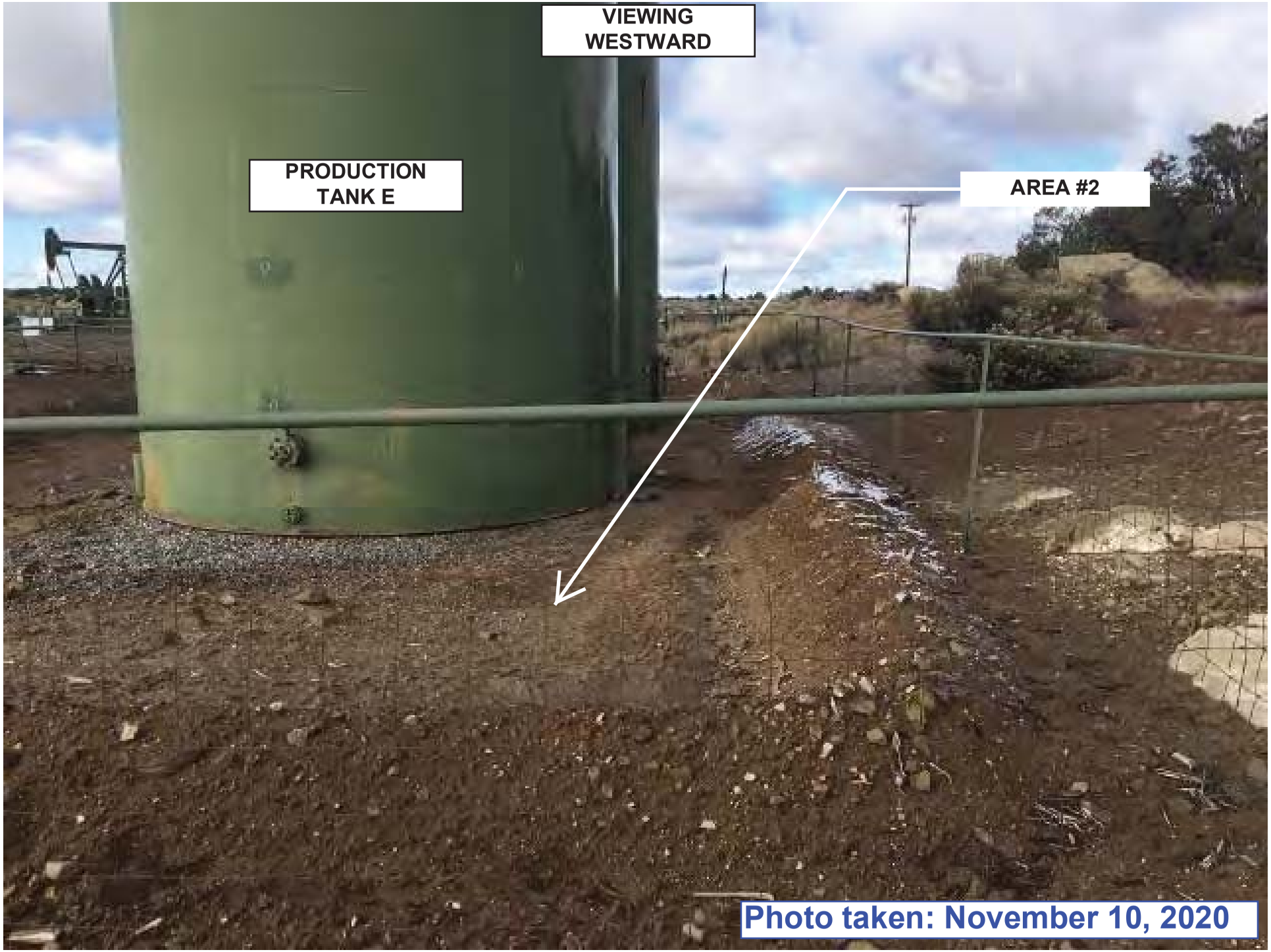
envirotech Inc.

SIMCOE - NEBU 496A

SIMCOE - NEBU 496A

SIMCOE - NEBU 496A

SIMCOE - NEBU 496A



NEBU #240
Below Ground Tank
Hydrogeologic Report for Siting Criteria

General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology (Dane and Bachman, 1965). The proposed pit location will be located in the north-central San Juan Basin near Navajo Lake. The predominant geologic formation is the San Jose Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits, serve as the primary aquifers in the San Juan Basin (Stone et al., 1983). In most of the proposed area, the San Jose Formation lies at the surface and overlies the Nacimiento Formation. Thickness of the San Jose ranges from 200 to 2700 feet, thickening from west to east across the region of interest (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the San Jose Formation are between 0 and 2700' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows regionally to the southwest, toward the San Juan River. More locally, groundwater flow is controlled by Navajo Lake. Little specific hydrogeologic data is available for the San Jose Formation system, but "numerous wells and springs used for stock and domestic supplies" draw their water from the San Jose Formation (Stone et al, 1983).

The prominent soil types at the proposed site are entisols and aridisols, which are defined as soils exhibiting little to no profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the San Juan River. These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes the soils that cover the area and prohibits effective recharge to the underlying aquifers.

Regional weather further prohibits active recharge. The climate is arid, averaging almost 13 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from July through September. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. September through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. The most active recharge occurs during the winter snowmelt periods from the upper elevations (Western Regional Climate Center www.wrcc.dri.edu).

The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

Site Specific Hydrogeology

Depth to groundwater at the site is estimated to be greater than 100'. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography, proximity to adjacent channels and springs and observations made during a site visit are also taken into consideration.

The region is dominated by Navajo Lake and its associated canyons and gullies as evidenced on the attached topographic map and aerial photo. Relatively large, flat-topped mesas composed of thick sandstone sequences surround the perimeter of the lake and are often over 200 feet higher in elevation than the lake. Canyons and gullies erode into the sandstone and are filled with alluvium. This particular site is located on a mesa top 1.42 miles away from the main channel of Navajo Lake, and is over 450 feet higher in elevation than the surface of the lake water. To the west lies Spruce Canyon, a first order tributary to the lake.

The massive sandstone outcrops, upon which the site in question is situated, is part of the San Jose Formation. Beds of water-yielding sandstone are present in the San Jose Formation, which are fluvial in origin and are interbedded with mudstone, siltstone & shale. Porous sandstones form the principal aquifers in the area, while relatively impermeable shales and mudstones form confining units between the aquifers (Stone et al., 1983). "Extensive intertonguing" of different members of this formation is reported (Stone et al, 1983). Local aquifers exist within the San Jose Formation at depths greater than 100 feet and thicknesses of the aquifer can be up to several hundred feet (USGS, Groundwater Atlas of the US; Stone et al, 1983).

Depth to groundwater data is extremely limited in this region. Groundwater data available from the NM State Engineer's iWaters Database for wells near the below grade tank are attached and are plotted on the iWaters Groundwater Data Map. The nearest permitted well lies 1.00 miles to the north (SJ 03685 POD1). Depth to groundwater in the permitted water well is recorded as 310 feet. Other wells located near Navajo Lake at similar elevations to the site in question contain groundwater at depths in excess of 400 feet.

The elevation difference of over 450 feet between the site and Navajo Lake, the lack of other surface water features and groundwater depths greater than 300 feet deep in nearby permitted water wells is enough to suggest that groundwater at the site is greater than 100 feet.

References

Dane, C.H. and Bachman, G. O., 1965, Geologic Map of New Mexico: U.S. Geological Survey, 1 sheet, scale 1:500,000.

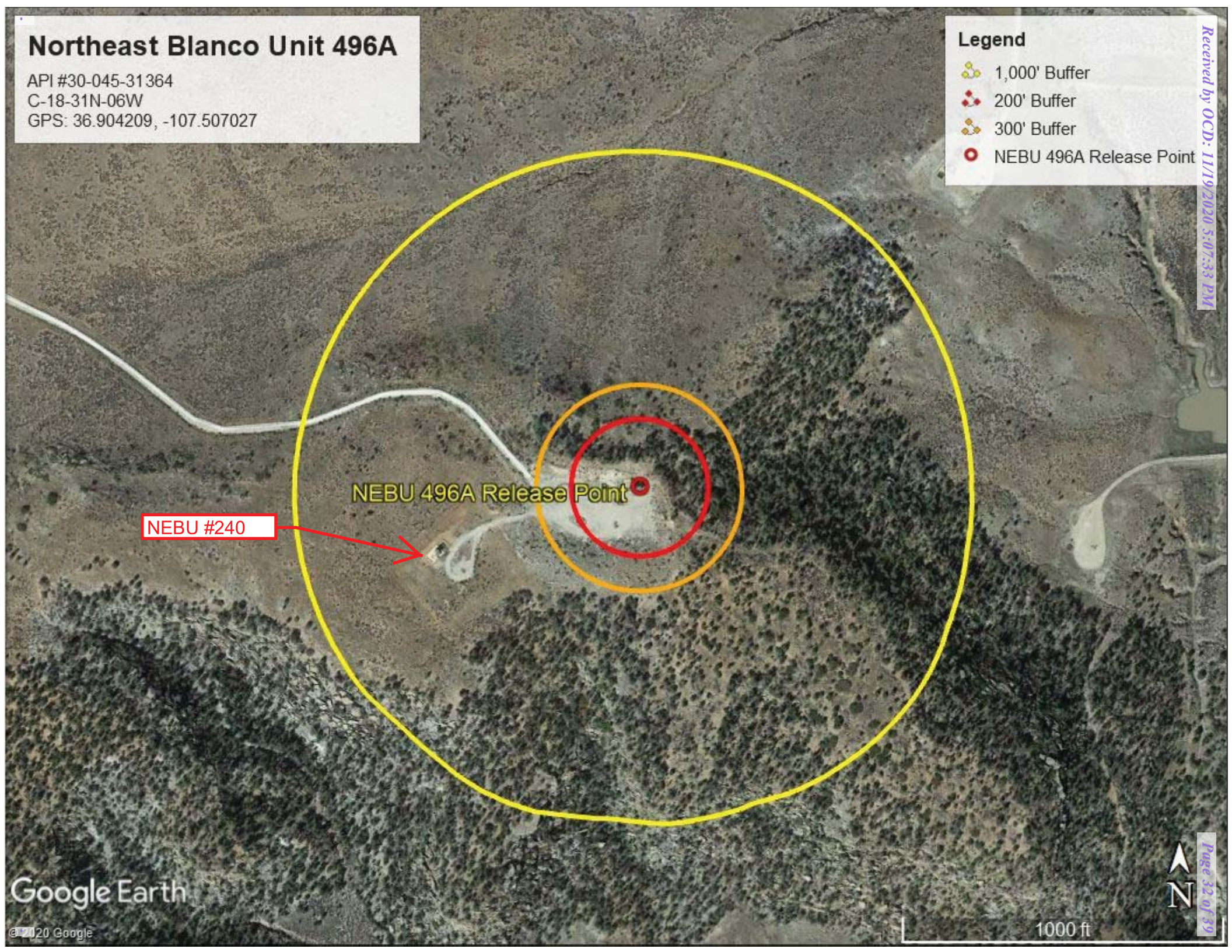
Dick-Peddie, W.A., 1993, New Mexico Vegeation – Past, Present and Future: Albuquerque, New Mexico, University of New Mexico Press, 244 p.

Stone, W.J., Lyford, F. P., Frenzel, P.F., Mizell, N.H. and Padgett, E.T., 1983, Hydrogeology and water resources of the San Juan Basin, New Mexico: HR-6 New Mexico Bureau of Geology and Mineral Resources Hydrology Report 6.

USGS, Groundwater Atlas of the United States: Arizona, Colorado, New Mexico, Utah, HA 730-C: (http://www.pubs.usgs.gov).

Western Region Climate Center, 2008, New Mexico climate summaries: Desert Research Institute at http://www.wrcc.dri.edu/summary/climsmnm.html.

New Mexico Energy, Minerals and Natural Resources Department, www.emnrd.state.nm.us



Lodestar Services, Inc.

Pit Permit Siting Criteria Information Sheet

Client:	Devon Energy
Project:	Pit Permits
Revised:	4/28/2009
Prepared by:	Brooke Herb

API#:	30-045-33495	USPLSS:	T31N, R07W, S18D
Name:	NEBU #240	Lat/Long:	36.90369, -107.50891
Depth to groundwater:	>100'	Geologic formation:	San Jose Formation
Distance to closest continuously flowing watercourse:	1.42 miles N of main body of Navajo Reservoir		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	1620' W of 1st order tributary to the lake, >2000' to bermed stock ponds in several places 1300' N of 2nd order tributary to the lake; 4040' E of Spruce Canyon		
		Soil Type:	Entisols
Permanent residence, school, hospital, institution or church within 300'	NO		
		Annual Precipitation:	12.95 inches (weather station at Navajo Dam)
Domestic fresh water well or spring within 500'	NO	Precipitation Notes:	no significant precipitation events on record
Any other fresh water well or spring within 1000'	NO		
Within incorporated municipal boundaries	NO	Attached Documents:	Site Visit Survey Hydrogeologic Report Topographic Map Aerial Photo Mines, Mills and Quarries Map FEMA Flood Zone Map
Within defined municipal fresh water well field	NO		
Wetland within 500'	NO	Mining Activity:	None identified in the vicinity
Within unstable area	NO		
Within 100 year flood plain	NO - located within Zone X (500-yr floodplain)		

Additional Notes: All ranges and bearings from the site to identified hydrogeologic features were measured from the aerial photo and confirmed during a site visit. The aerial photo is dated July 30, 2005. More recent aerial photos are available (2007), but show lower lake levels. The 2005 photo aids reviewers by allowing assessment during wetter conditions.

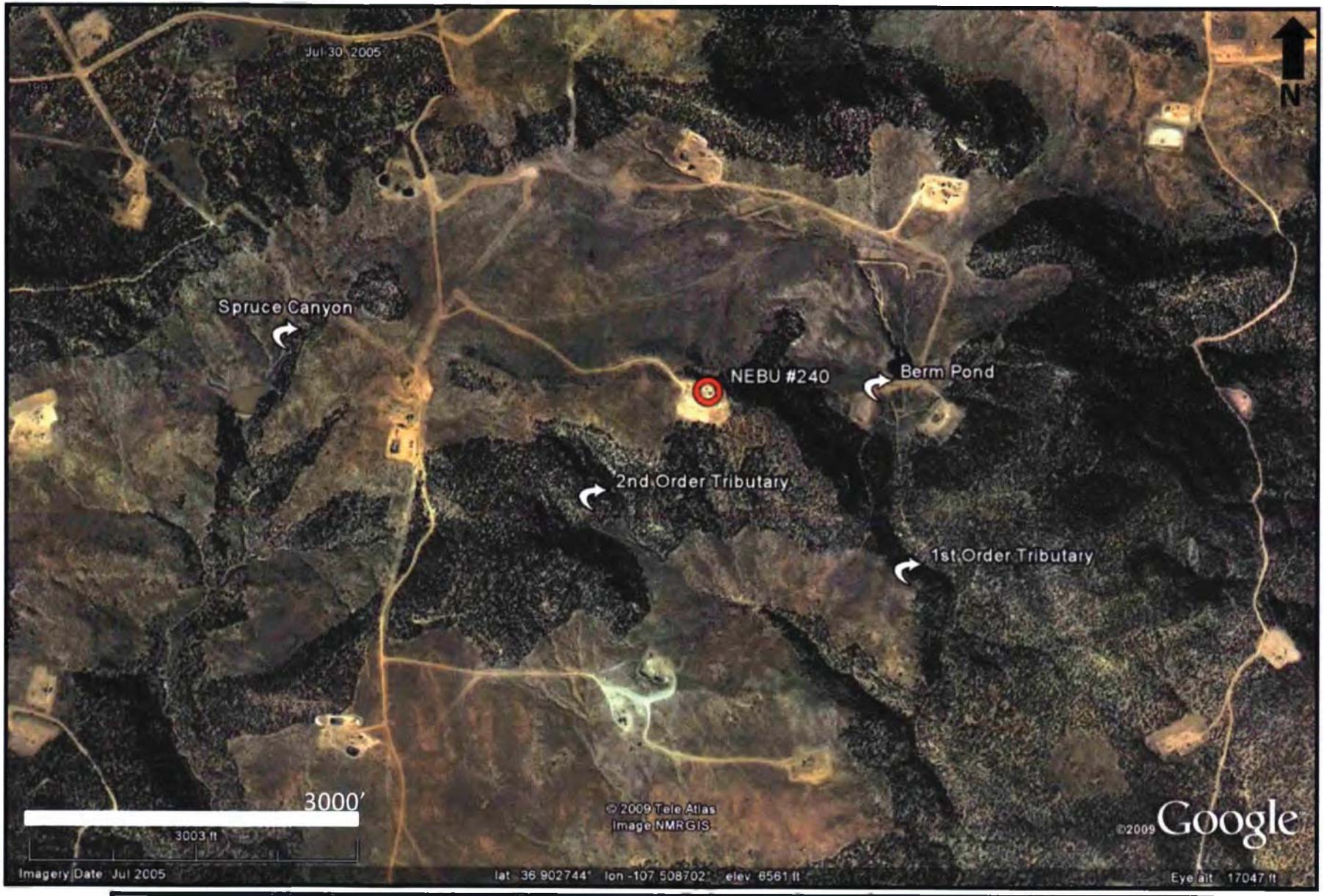
New Mexico Office of the State Engineer

POD Reports and Downloads

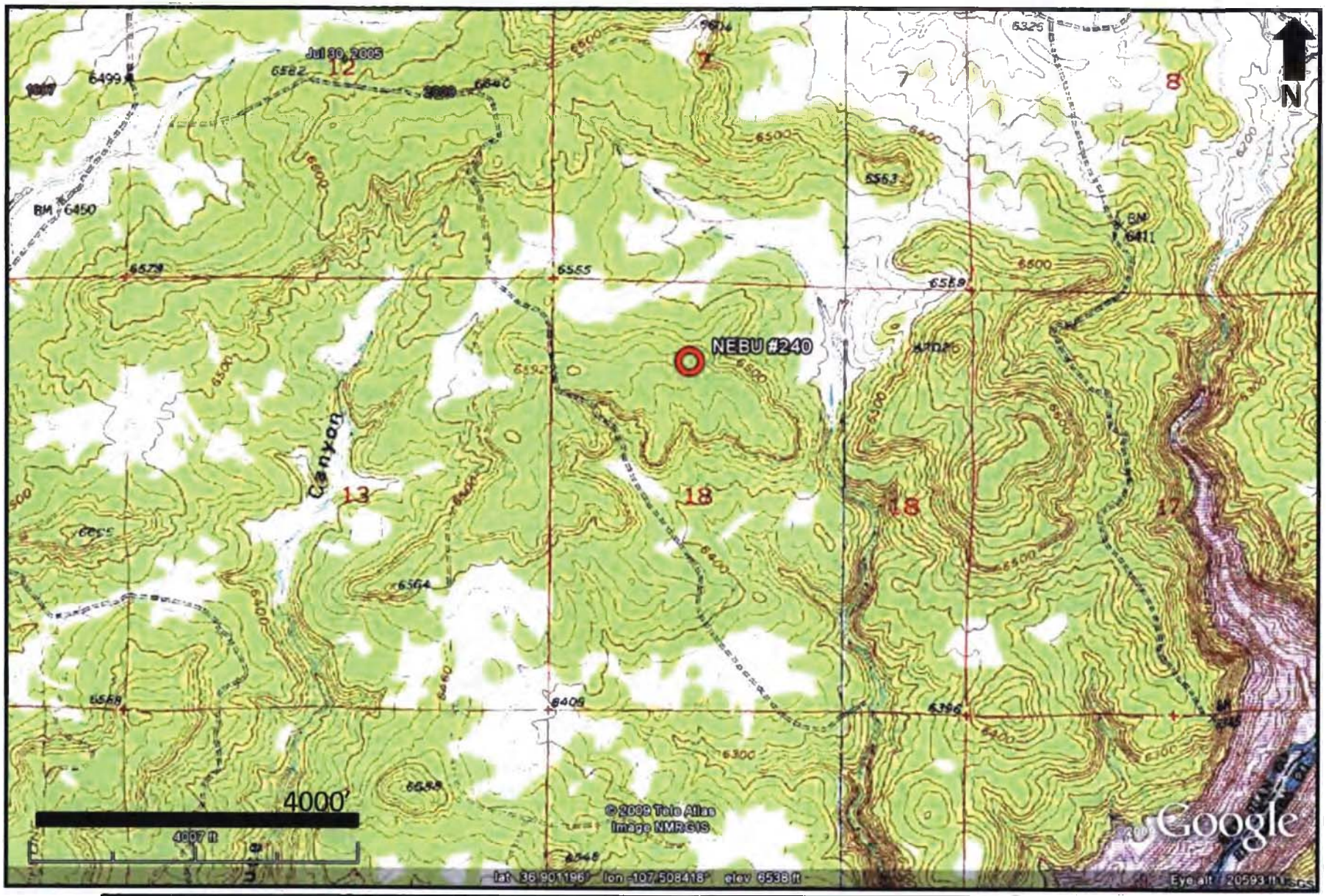
WATER COLUMN REPORT 12/05/2008

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

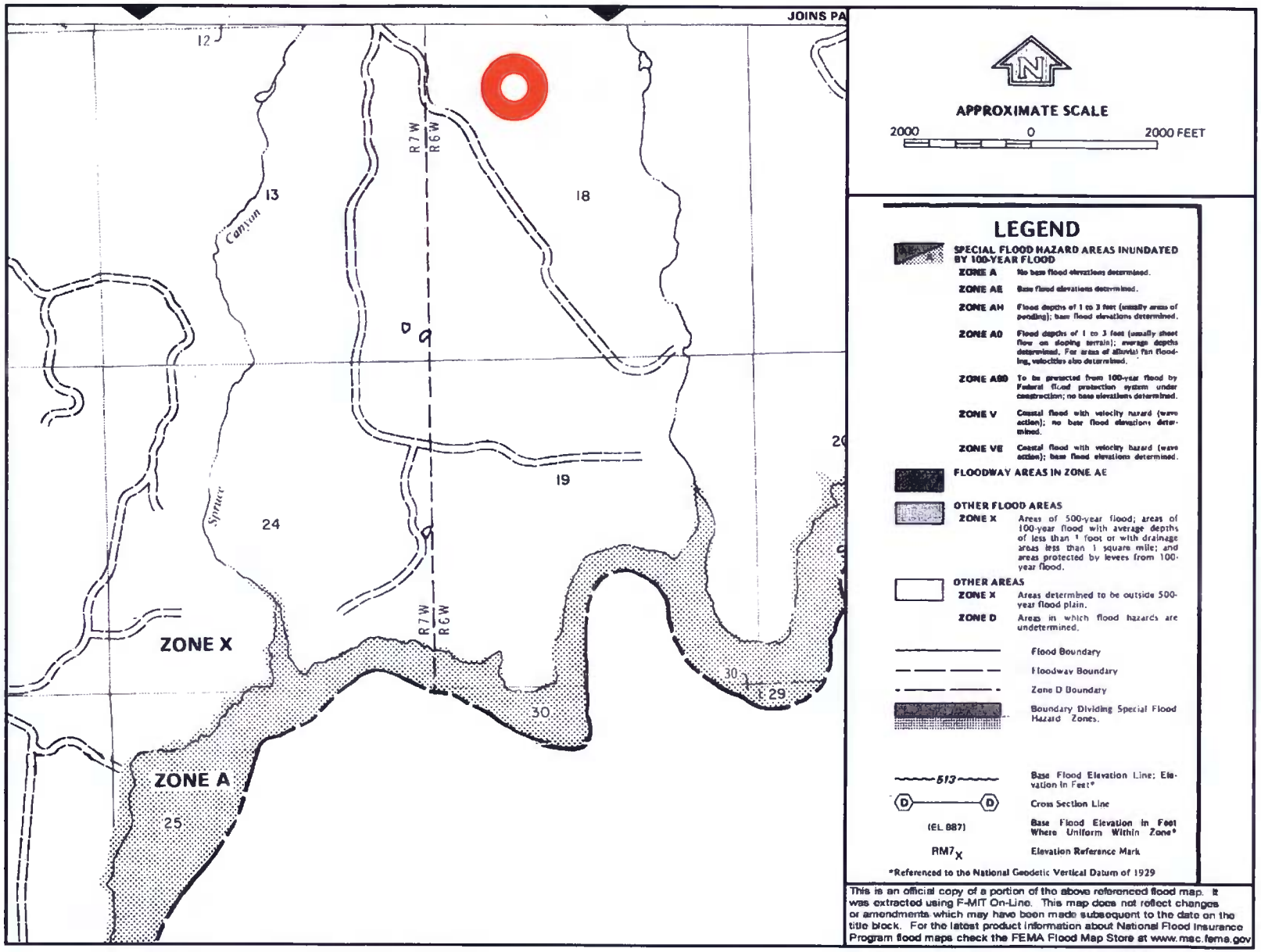
POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (in feet)
SJ 03685 POD1	31N	06W	07	1	2	4				460	310	150
SJ 00011	31N	06W	32							610		
SJ 03649	31N	07W	02	1	4					600	300	300
SJ 03426	31N	07W	14	1	2	4				540	420	120
SJ 03355	31N	07W	28	1	1	1				570	470	100
SJ 03117	32N	07W	07	2	2	2				240		
SJ 01612	32N	07W	34	3						800		



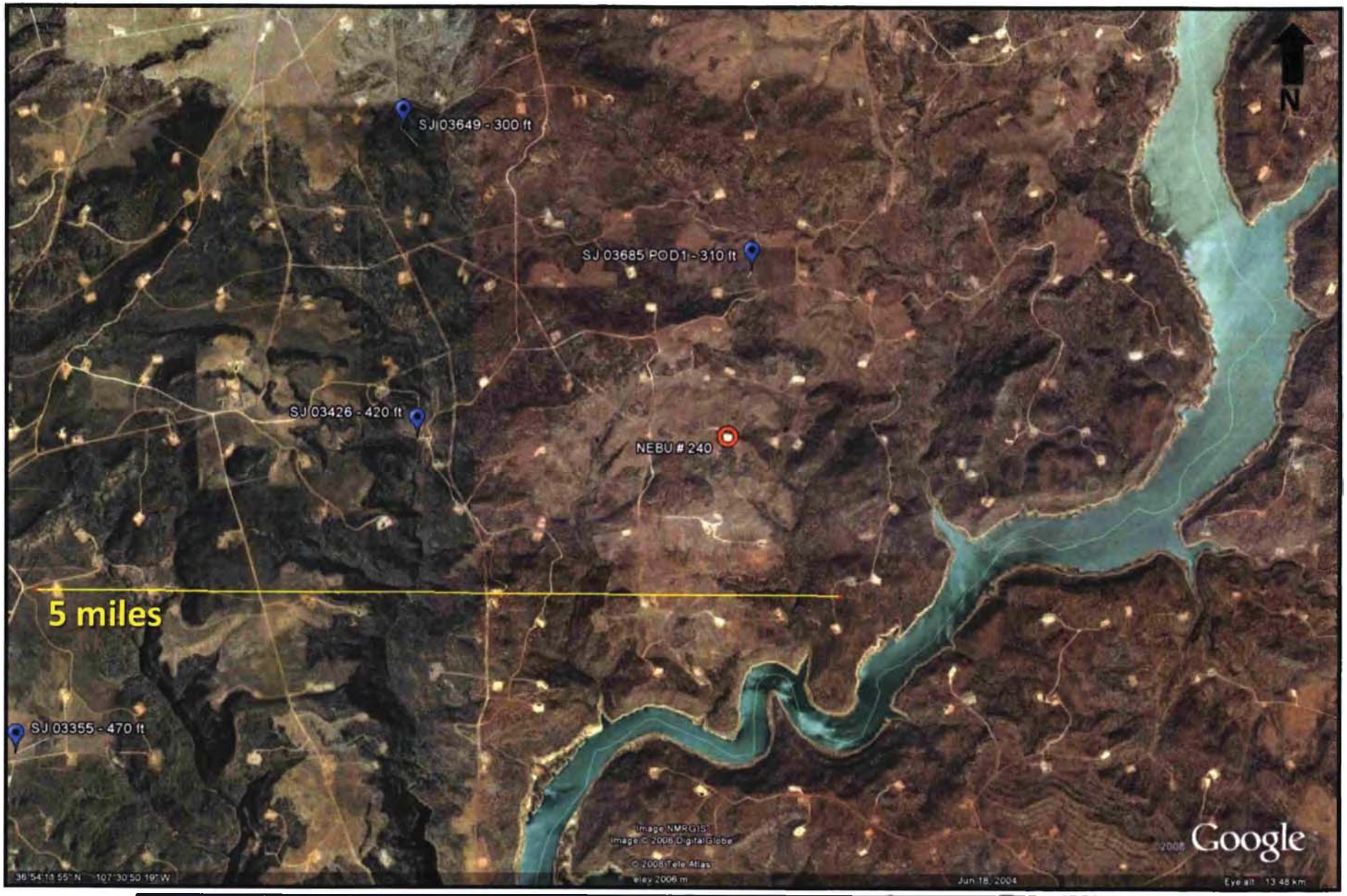
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	NEBU # 240 T31N, R06W, S18D San Juan County, NM	Aerial Photograph



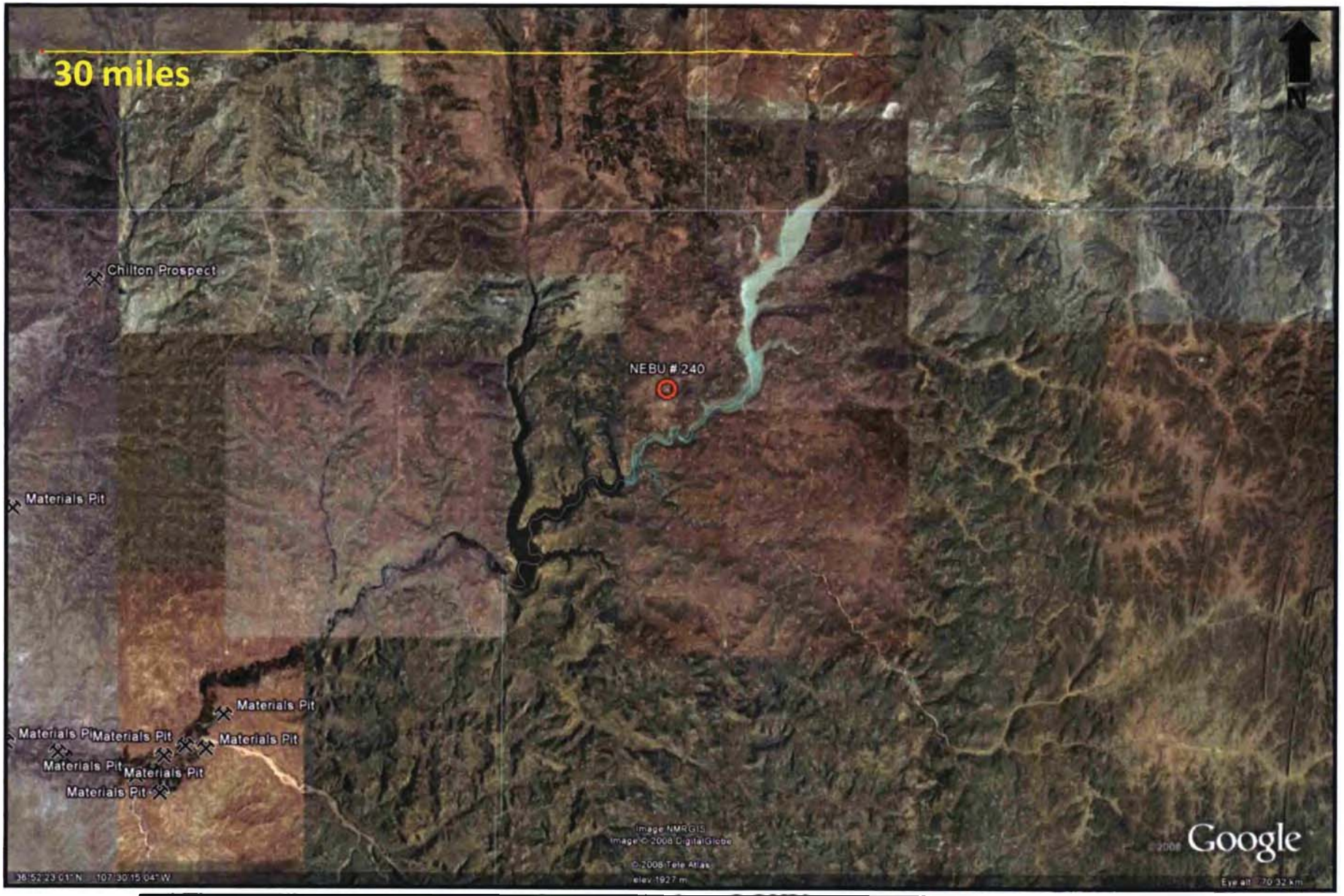
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	NEBU # 240 T31N, R06W, S18D San Juan County, NM	Topographic Map



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	NEBU # 240 T31N, R06W, S18D San Juan County, NM	FEMA Flood Zone Map



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	NEBU # 240 T31N, R06W, S18D San Juan County, NM	iWaters Groundwater Data Map



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	NEBU # 240 T31N, R06W, S18D San Juan County, NM	Mines, Mills, and Quarries Map