Report to:

Denise Casaus







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Morningstar Operating LLC.

Project Name: Navajo Indian #6E

Work Order: E406110

Job Number: 20100-0001

Received: 6/11/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/19/24

Denise Casaus 811 S. Main Ave. Aztec, NM 87410

Project Name: Navajo Indian #6E

Workorder: E406110

Date Received: 6/11/2024 1:47:00PM

Denise Casaus,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/11/2024 1:47:00PM, under the Project Name: Navajo Indian #6E.

The analytical test results summarized in this report with the Project Name: Navajo Indian #6E 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

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Sample Summary

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ſ	Morningstar Operating LLC.	Project Name:	Navajo Indian #6E	Reported:
١	811 S. Main Ave.	Project Number:	20100-0001	Reported.
l	Aztec NM, 87410	Project Manager:	Denise Casaus	06/19/24 15:42

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
Navajo Indian #6E	E406110-01A Aqueous	06/11/24	06/11/24	Poly, 1000mL



Sample Data

Morningstar Operating LLC.	Project Name:	Navajo Indian #6E	
811 S. Main Ave.	Project Number:	20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

Navajo Indian #6E E406110-01

		3.00110 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L	Analy	st: JL		Batch: 2424110
Total Dissolved Solids	1290	10.0	1	06/14/24	06/19/24	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units	Analy	st: WF		Batch: 2424100
pH @25°C	11.8		1	06/14/24 08:33	06/14/24 11:53	Н5
Wet Chemistry by SM2320B	mg/L	mg/L	Analy	st: KH		Batch: 2425034
Total Alkalinity (as CaCO3 at pH 4.5)	850	10.0	1	06/18/24	06/18/24	
Wet Chemistry by 9050A/2510B	uS/cm	uS/cm	Analyst: BA			Batch: 2425012
Specific Conductance (@ 25 C)	2780	10.0	1	06/17/24	06/17/24	
Dissolved Metals by EPA 6010C	mg/L	mg/L	Analyst: JL			Batch: 2425001
Calcium	3.29	1.00	1	06/17/24	06/19/24	
Iron	ND	2.00	1	06/17/24	06/19/24	
Magnesium	ND	1.00	1	06/17/24	06/19/24	
Potassium	1.01	1.00	1	06/17/24	06/19/24	
Sodium	603	20.0	10	06/17/24	06/19/24	C1
Sodium Absorption Ratio (CALC)	91.6		1	06/19/24	06/19/24	
Anions by EPA 300.0/9056A	mg/L	mg/L	Analy	st: DT		Batch: 2424074
Fluoride	1.48	1.25	5	06/12/24	06/12/24	
Chloride	ND	10.0	5	06/12/24	06/12/24	
Nitrite-N	ND	1.25	5	06/12/24 13:19	06/12/24 23:13	
Nitrate-N	ND	1.25	5	06/12/24 13:19	06/12/24 23:13	
o-Phosphate-P	ND	1.25	5	06/12/24 13:19	06/12/24 23:13	
Sulfate	88.0	10.0	5	06/12/24	06/12/24	



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave.	Project Name: Project Number:	Navajo Indian #6E 20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

Aztec NM, 87410		Project Manage	r: De	enise Casaus				6/	19/2024 3:42:40PM
Wet Chem/Gravimetric by SM2540C									Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes
Blank (2424110-BLK1)							Prepared: 0	6/14/24 Ana	lyzed: 06/19/24
Total Dissolved Solids	ND	10.0							
LCS (2424110-BS1)							Prepared: 0	6/14/24 Ana	lyzed: 06/19/24
Total Dissolved Solids	107	10.0	100		107	55-134			
Duplicate (2424110-DUP1)				Source:	E406110-0	01	Prepared: 0	6/14/24 Ana	lyzed: 06/19/24
Total Dissolved Solids	1320	10.0		1290			2.68	5	



Morningstar Operating LLC. 811 S. Main Ave.	Project Name: Project Number:	Navajo Indian #6E 20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

	Wet	Chemistry	by	9040C/4500H+B
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Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	Notes

LCS (2424100-BS1) Prepared: 06/14/24 Analyzed: 06/14/24						
рН	7.96 8.00 99.7 98.75-101.25					
Duplicate (2424100-DUP1)			Source: E406110-01	Prepared: 06/14/24 Analyzed: 06/14/24		
nH	11.8		11.8	0.0425 20		



Morningstar Operating LLC.	Project Name:	Navajo Indian #6E	Reported:
811 S. Main Ave.	Project Number:	20100-0001	•
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

Wet Chemistry by SM2320E	Wet	Che	mistry	by	SN	123	32	0B
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Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes

LCS (2425034-BS1)						Prepared: 06	/18/24	Analyzed: 06/18/24
Total Alkalinity (as CaCO3 at pH 4.5)	248	10.0	250	99.2	70-130		110/2-1	maryzea. 00/10/24
Duplicate (2425034-DUP1)				Source: E406110-01		Prepared: 06	/18/24	Analyzed: 06/18/24
Total Alkalinity (as CaCO3 at pH 4.5)	860	10.0		850		1.17	20	



Morningstar Operating LLC. 811 S. Main Ave.	Project Name: Project Number:	Navajo Indian #6E 20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

	Wet	Chemistry	by 905	50A/2510B
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Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	uS/cm	uS/cm	uS/cm	uS/cm	%	%	%	%	Notes

Blank (2425012-BLK1)					Prepared: 06/17/24 Analyzed: 06/17/	/24
Specific Conductance (@ 25 C)	ND	10.0				
LCS (2425012-BS1)					Prepared: 06/17/24 Analyzed: 06/17/	/24
Specific Conductance (@ 25 C)	1410	10.0	1410	99.8	98-102	

Duplicate (2425012-DUP1)			Source: E406135-01	Prepared: 06/	17/24 Analyzed: 06/17/24
Specific Conductance (@ 25 C)	188000	20.0	187000	0.918	20

Morningstar Operating LLC. 811 S. Main Ave.	Project Name: Project Number:	Navajo Indian #6E 20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

Aztec NM, 87410		Project Manage	r: De	enise Casaus				6/1	9/2024 3:42:40PM
		Dissolved	d Metals b	y EPA 6010)C				Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes
Blank (2425001-BLK1)							Prepared: 0	6/17/24 Anal	yzed: 06/19/24
Calcium	ND	1.00							
Iron	ND	2.00							
Magnesium	ND	1.00							
Potassium	ND	1.00							
Sodium	ND	2.00							
LCS (2425001-BS1)							Prepared: 0	6/17/24 Anal	yzed: 06/19/24
Calcium	48.7	1.00	50.0		97.4	80-120			·
Iron	99.2	2.00	100		99.2	80-120			
Magnesium	53.4	1.00	50.0		107	80-120			
Potassium	4.91	1.00	5.00		98.3	80-120			
Sodium	19.6	2.00	20.0		98.1	80-120			
LCS Dup (2425001-BSD1)							Prepared: 0	6/17/24 Anal	yzed: 06/19/24
Calcium	49.2	1.00	50.0		98.5	80-120	1.10	20	
Iron	99.9	2.00	100		99.9	80-120	0.763	20	
Magnesium	50.8	1.00	50.0		102	80-120	4.92	20	
Potassium	4.92	1.00	5.00		98.4	80-120	0.163	20	
Sodium	18.8	2.00	20.0		94.0	80-120	4.27	20	
Matrix Spike (2425001-MS1)				Source: 1	E406110-0	1	Prepared: 0	6/17/24 Anal	yzed: 06/19/24
Calcium	53.4	1.00	50.0	3.29	100	75-125			
Íron	101	2.00	100	ND	101	75-125			
Magnesium	55.8	1.00	50.0	ND	112	75-125			
Potassium	6.16	1.00	5.00	1.01	103	75-125			
Sodium	701	20.0	20.0	603	494	75-125			M4
Matrix Spike Dup (2425001-MSD1)				Source: 1	E406110-0	1	Prepared: 0	6/17/24 Anal	yzed: 06/19/24
Calcium	54.2	1.00	50.0	3.29	102	75-125	1.38	20	
Iron	102	2.00	100	ND	102	75-125	0.492	20	
Magnesium	57.7	1.00	50.0	ND	115	75-125	3.29	20	
Potassium	6.42	1.00	5.00	1.01	108	75-125	4.10	20	
a t	(((20.0	20.0	(02	210	75 125	5 12	20	3.64

20.0

20.0

603

318

75-125

5.13

M4



Sodium

Morningstar Operating LLC.	Project Name:	Navajo Indian #6E	Reported:
811 S. Main Ave.	Project Number:	20100-0001	
Aztec NM, 87410	Project Manager:	Denise Casaus	6/19/2024 3:42:40PM

Aztec NM, 87410		Project Manager	: De	enise Casaus				6/1	9/2024 3:42:40PM	
		Anions	by EPA 3	00.0/9056 <i>A</i>	\		Analyst: DT			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes	
Blank (2424074-BLK1)							Prepared: 00	6/12/24 Anal	yzed: 06/12/24	
Fluoride	ND	0.250								
Chloride	ND	2.00								
Nitrite-N	ND	0.250								
Nitrate-N	ND	0.250								
o-Phosphate-P	ND	0.250								
Sulfate	ND	2.00								
LCS (2424074-BS1)							Prepared: 0	6/12/24 Anal	yzed: 06/12/24	
Fluoride	2.62	0.250	2.50		105	90-110				
Chloride	25.3	2.00	25.0		101	90-110				
Nitrite-N	2.58	0.250	2.50		103	90-110				
Nitrate-N	2.64	0.250	2.50		105	90-110				
o-Phosphate-P	12.9	0.250	12.5		103	90-110				
Sulfate	25.2	2.00	25.0		101	90-110				
LCS Dup (2424074-BSD1)							Prepared: 00	6/12/24 Anal	yzed: 06/12/24	
Fluoride	2.61	0.250	2.50		104	90-110	0.291	20		
Chloride	25.2	2.00	25.0		101	90-110	0.332	20		
Nitrite-N	2.57	0.250	2.50		103	90-110	0.303	20		
Nitrate-N	2.63	0.250	2.50		105	90-110	0.285	20		
o-Phosphate-P	12.9	0.250	12.5		103	90-110	0.269	20		

25.0

101

90-110

0.263

20

2.00

25.2

QC Summary Report Comment:

Sulfate

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

Γ	Morningstar Operating LLC.	Project Name:	Navajo Indian #6E	
l	811 S. Main Ave.	Project Number:	20100-0001	Reported:
	Aztec NM, 87410	Project Manager:	Denise Casaus	06/19/24 15:42

C1 The CV recovery was above method acceptance limits.

H5 pH is specified to be performed in the field within 15 minutes of sampling. The sample analysis was performed as quickly as possible.

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



	1 1
Page	of

Client Information			Invoice Information		1	Lab Use Only						Only T				T		State					
Client: Mosning Stas Project Name: Navays Indian #6E			Cor	Company: Nouning Has		Jab WO# Jo					Job Number			1D		3D St	d	NM	OUT				
Project Name: Navay Judion #6F			Add	Iress:			F۷	bl	0110	0	20100-0001			100		-	-			-			
Project Manager: Dzuist Casaus				City, State, Zip:		Liound					0160	616.7	Hite	5 7 7									
Address:					Pho	one:			[Analysis						s and Method					EPA Program		
City, State	e, Zip:				Ema	il:							2,00,000							SDV		CWA	
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				Samp	le Informatio	n				30 by	(O b)	802	8260	300	N.	1 - 50	Meta	nion					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lal Num	b ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			F	Remarks	2
12:1004	6-11-24	A		New	cia Indi	an #6E		1										1					
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A -1 -11-A1	11																						
Addition	al Instructio	ns:																					
I, (field samp	oler), attest to the	validity and	authenticity of	f this sample.	I am aware that t	ampering with or intentionally mislabe	ling the sam	ple locati	ion, da	ate or	time of	collec	tion is	consid	ered fr	raud ar	nd may	be gro	unds for	egal actio	n.		
	ed by: (Signatur		Date	1	Time	Received by: (Signature)	Date	n .		Time			THE P		-							ice the day	v they are
1	6	7	6-	11-24	1:4700	Received by: (Signature)	120 6	111/2	и	100	4-	1-										ut less than	12.000
Relinquish	ed by: (Signatur	re)	Date	-/	1:47 p.M.	Received by: (Signature)	Date			Time	, ,				eubra	استمميت	244		Lab	Use Or	nlv		
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Relinquish	ed by: (Signatu	re)	Date	1	Time	Received by: (Signature)	Date	e		Time	_	_	500		-				-		1700		A SHE
															AVO	a Ten	np °C	4	1				
Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Sluc	dge, A - Aqueou	us, O - Other			Co	ntainer	Туре	e: g -	glass,	p - p	oly/p	lastic	, ag -	amb	er gla	ss, v	VOA				
Note: Sam	ples are discard	led 14 days	after results	are reported	d unless other a	rrangements are made. Hazardous The liability of the laboratory is lim	samples v	vill be re	turne	ed to	client o	or dis	posed	of at	the cl	ient e	xpens	e. The	report f	or the an	nalysis o	f the abo	ve samr



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Envirotech Analytical Laboratory

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:	Morningstar Operating LLC.	Date Received:	06/11/24 1	3:47		Work Order ID:	E406110
Phone:	(505) 419-6055	Date Logged In:	06/12/24 1	2:28		Logged In By:	Raina Schwanz
Email:		Due Date:		7:00 (5 day TAT)		88	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mate	the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>I</u>	OJ Edwards		
4. Was the	e COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	_			
5. Were a	ll samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion					Comment	s/Resolution
Sample T	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°0	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	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 n	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field Lal	<u>bel</u>						
	field sample labels filled out with the minimum infor	mation:	**				
	ample ID?		Yes				
	nate/Time Collected? collectors name?		Yes				
	Preservation		Yes				
	the COC or field labels indicate the samples were pre	eserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved me	etals?	Yes				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	a?	Na				
	, does the COC specify which phase(s) is to be analyze		No				
		zeur	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator		No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client In	<u>nstruction</u>						
_							

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

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

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**

COMMENTS

Action 356303

COMMENTS

Operator:	OGRID:
MorningStar Operating LLC	330132
400 W 7th St	Action Number:
Fort Worth, TX 76102	356303
	Action Type:
	[UF-GA] Gas Analysis (GAS ANALYSIS)

COMMENTS

Created By	Comment	Comment Date
mkuehling	TDS 1320	7/8/2024

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

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 356303

CONDITIONS

Operator:	OGRID:
MorningStar Operating LLC	330132
400 W 7th St	Action Number:
Fort Worth, TX 76102	356303
	Action Type:
	[UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehlin	g None	7/8/2024