Inspection Report For Well: UT20736 - 04536

U.S. Environmental Protection Agency
Underground Injection Control Program, 8ENF-T
999 18th Street, Suite 300, Denver, CO 80202-2466

This form was printed on 9/24/2013

INSPECTOR(S): Lead: Roberts, Sarah — Date: ~~10~~ 12/ 19/2013

Others: Ajayi, Christopher — Time: 2:48 am / pm

OPERATOR (only if different): _____

REPRESENTATIVE(S): Chad Stavinson

PRE-INSPECTION REVIEW

Petroglyph Operating Company, Inc

Well Name:	Ute Tribal 19-09		
Well Type:	Enhanced Recovery (2R)		
Operating Status:	AC (ACTIVE) as of 12/31/2002		
Oil Field:	Antelope Creek (Duchesne)		
Location:	NESE S19 T5S R3W		
Indian Country:	X, Uintah and Ouray		
Last Inspection:	8/28/2012	***Allowable Inj Pressure:***	1900 /
Last MIT:	Pass 6/10/2011	***Annulus Pressure From Last MIT:***	1040

BLACK = POSSIBLE VIOLATION GREY = DATA MISSING

INSPECTION TYPE: **(Select One)**

- [ ] Construction / Workover
- [ ] Plugging
- [ ] Post-Closure
- [ ] Response to Complaint
- [x] Routine
- [ ] Witness MIT
- [ ] Other

ICIS Entered
Date 12/30/13
Initials DS

OBSERVED VALUES:

Tubing Gauge:	[x] Yes [ ] No	Pressure: U: 1839 / L: ____ psig Gauge Range: Scada psig	Gauge Owner:	[ ] EPA [x] Operator
Annulus Gauge:	[x] Yes [ ] No	Pressure: 0 psig Gauge Range: opened psig	Gauge Owner:	[x] EPA [ ] Operator
Bradenhead Gauge:	[ ] Yes [ ] No	Pressure: ____ psig Gauge Range: ____ psig	Gauge Owner:	[ ] EPA [ ] Operator
Pump Gauge:	[ ] Yes [ ] No	Pressure: ____ psig Gauge Range: ____ psig	Gauge Owner:	[ ] EPA [ ] Operator

Operating Status: (Select One)
- [x] Active
- [ ] Being Reworked
- [ ] Not Injecting
- [ ] Production
- [ ] Plugged and Abandoned
- [ ] Under Construction

U2 Entered
Date 12/17/13
Initial

See page 2 for photos, comments, and site conditions.

GREEN	BLUE	CBI
	1	

Inspection Report For Well: UT20736 - 04536 (PAGE 2)

PHOTOGRAPHS: ☐ Yes ☒ No List of photos taken: _____

Comments and site conditions observed during inspection: _____

GPS: GPS File ID: _____

Signature of EPA Inspector(s): _____ _____

☐ Data Entry ☐ Compliance Staff ☐ Hard Copy Filing

NOTICE OF INSPECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII, 999 18TH STREET - SUITE 500
DENVER, COLORADO 80202-2405

Date: 12/10/13
Hour: 8:00a

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300f et seq.).

Firm Name: Petroglyph Operating, Inc.

Firm Address: Roosevelt, UT, Antelope Creek Oil Field

REASON FOR INSPECTION:

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable condition of permit or rule authorization.

SECTION 1445(b) of the SAFE DRINKING WATER ACT is quoted below:

Section 1445(b)(1): Except as provided in Paragraph (2), the Administrator, or representatives of the Administrator duly designated by him, upon presenting appropriate credentials, and a written notice to any supplier of water or other person subject to (a), or person subject (A) a national primary drinking water regulation prescribed under Section 1412(B) an applicable Underground Injection Control Program, or (C) any requirement to monitor an unregulated contaminant pursuant to subsection (a), or person in charge of any of the property of such supplier or other person referred to in clause (A), (B), or (C), is authorized to enter any establishment, ... facility, or other property of such supplier or other person in order to determine whether such supplier or other person has acted or is acting in compliance with this title, including for this purpose, inspection, at reasonable times, of records, files, papers, processes, controls, and facilities, or in order to test any feature of a public water system, including its raw water source. The Administrator or the Comptroller General (or any representative designated by either) shall have access for the purpose of audit and examination to any records, reports, or information of a grantee which are required to be maintained under subsection (a) or which are pertinent to any financial assistance under this title.

Sarah Roberts
Inspector's Name & Title (Print)

Inspector's Signature

EPA R8 3560-1 (8-89)

Original - Regional Office Copy
Yellow Copy - Operator Copy

OMB No. 2040-0042 Approval Expires 11/30/2014

EPA

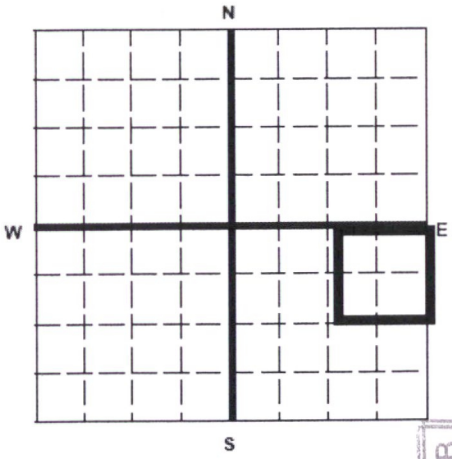
United States Environmental Protection Agency
Washington, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Name and Address of Existing Permittee
Petroglyph Operating Company, Inc. 2258
P.O. Box 7608
Boise, Idaho 83709

Name and Address of Surface Owner
Ute Indian Tribe
P.O. Box 70
Ft. Duchesne, Utah, 84026

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
Utah	Duchesne	UT2736-04536

Surface Location Description
___ 1/4 of ___ 1/4 of NE 1/4 of SE 1/4 of Section 19 Township 5S Range 3W

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location 2032 ft. frm (N/S) S Line of quarter section and 551 ft. from (E/W) E Line of quarter section.

U2 Entered
Date 4/4/17
Initial DB

WELL ACTIVITY
- [ ] Brine Disposal
- [X] Enhanced Recovery
- [ ] Hydrocarbon Storage

TYPE OF PERMIT
- [ ] Individual
- [X] Area

Number of Wells 111

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 19-09

GREEN BLUE GOLD TAB 2

MONTH	YEAR	INJECTION PRESSURE AVERAGE PSIG	INJECTION PRESSURE MAXIMUM PSIG	TOTAL VOLUME INJECTED BBL	TOTAL VOLUME INJECTED MCF	TUBING – CASING ANNULUS PRESSURE (OPTIONAL MONITORING) MINIMUM PSIG	TUBING – CASING ANNULUS PRESSURE (OPTIONAL MONITORING) MAXIMUM PSIG
January	16	1795	1818	303		0	0
February	16	1821	1875	369		0	0
March	16	1860	1869	479		0	0
April	16	1836	1859	358		0	0
May	16	1845	1858	387		0	0
June	16	1810	1848	344		0	0
July	16	1837	1842	394		0	0
August	16	1829	1860	331		0	0
September	16	1811	1833	324		0	0
October	16	1844	1854	434		0	0
November	16	1786	1831	182		0	0
December	16	1808	1832	446		0	0

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
Chad Stevenson, Water Facilities Supervisor		03/21/2017

EPA Form 7520-11 (Rev. 12-11)

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem®
A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**PETROGLYPH OPERATING CO INC - EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE TRIBAL 19-09 INJ, DUCHESNE**	Lab Tech:	**Kaitlyn Natelli**
Sample Point:	**Well Head**		
Sample Date:	**1/6/2017**		
Sample ID:	**WA-345333**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics

Test Date:	**1/25/2017**
System Temperature 1 (°F):	**300**
System Pressure 1 (psig):	**2000**
System Temperature 2 (°F):	**130**
System Pressure 2 (psig):	**50**
Calculated Density (g/ml):	**1.0035**
pH:	**8.50**
Calculated TDS (mg/L):	**8924.19**
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	**0.00**
H_2S in Gas (%):	
H2S in Water (mg/L):	**5.00**
Tot. SuspendedSolids(mg/L):	
Corrosivity(LanglierSat.Indx)	**0.00**
Alkalinity:	

Analysis @ Properties in Sample Specifics

Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	**3027.70**	Chloride (Cl):	**3500.00**
Potassium (K):	**25.96**	Sulfate (SO_4):	**70.00**
Magnesium (Mg):	**14.03**	Bicarbonate (HCO_3):	**2196.00**
Calcium (Ca):	**31.42**	Carbonate (CO_3):	
Strontium (Sr):	**4.64**	Hydroxide(HO):	
Barium (Ba):	**6.61**	Acetic Acid (CH_3COO)	
Iron (Fe):	**22.82**	Propionic Acid (C_2H_5COO)	
Zinc (Zn):	**1.86**	Butanoic Acid (C_3H_7COO)	
Lead (Pb):	**0.00**	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Ammonia NH_3:		Fluoride (F):	
Manganese (Mn):	**0.26**	Bromine (Br):	
Aluminum (Al):	**0.27**	Silica (SiO_2):	**22.89**
Lithium (Li):	**2.92**	Calcium Carbonate ($CaCO_3$):	
Boron (B):	**4.84**	Phosphates (PO_4):	**15.33**
Silicon (Si):	**10.70**	Oxygen (O_2):	

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
130.00	50.00	1.58	26.28	1.01	3.53	4.15	4.53	3.57	16.59	0.00	0.00	0.00	0.00	0.00	0.00	10.58	0.97
149.00	267.00	1.64	26.43	0.91	3.42	4.09	4.53	3.66	16.59	0.00	0.00	0.00	0.00	0.00	0.00	10.31	0.97
168.00	483.00	1.71	26.60	0.84	3.33	4.06	4.53	3.75	16.59	0.00	0.00	0.00	0.00	0.00	0.00	10.08	0.97
187.00	700.00	1.78	26.77	0.78	3.25	4.05	4.53	3.84	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.89	0.97
206.00	917.00	1.87	26.91	0.74	3.18	4.07	4.53	3.92	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.71	0.97
224.00	1133.00	1.97	27.04	0.72	3.14	4.10	4.53	4.00	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.56	0.97
243.00	1350.00	2.07	27.15	0.70	3.11	4.15	4.53	4.08	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.43	0.97
262.00	1567.00	2.18	27.23	0.70	3.11	4.21	4.53	4.15	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.32	0.97
281.00	1783.00	2.29	27.30	0.70	3.12	4.28	4.53	4.21	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.22	0.97
300.00	2000.00	2.41	27.35	0.72	3.14	4.36	4.53	4.27	16.59	0.00	0.00	0.00	0.00	0.00	0.00	9.14	0.97

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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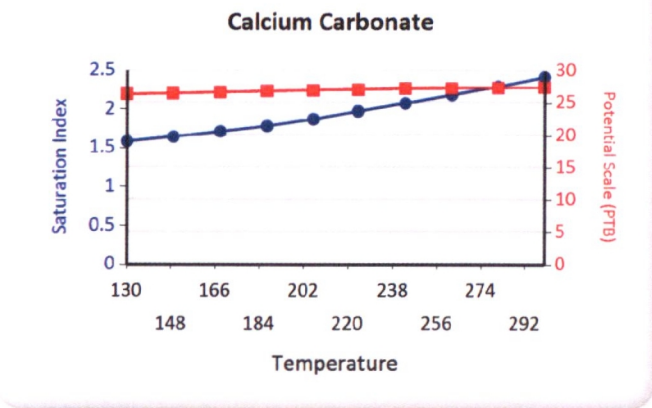
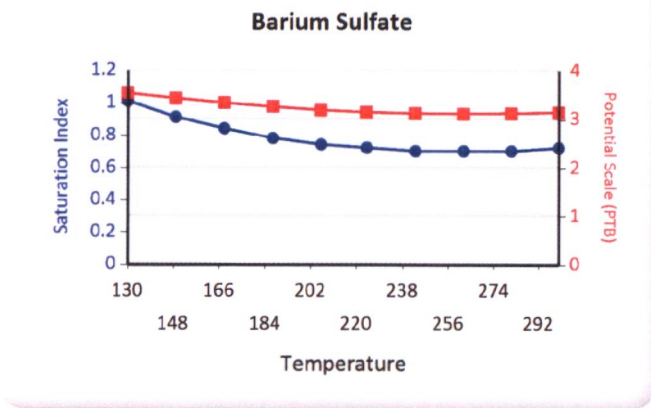
Water Analysis Report

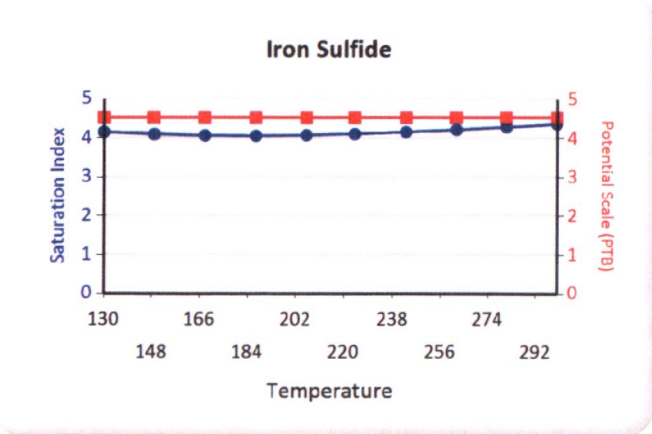
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
130.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	2.09	1.24	0.00	0.00	4.06	22.51	2.20	18.22	12.72	17.75
149.00	267.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	1.24	0.00	0.00	4.78	24.45	2.59	20.62	13.16	17.75
168.00	483.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	1.25	0.00	0.00	5.53	25.95	3.00	23.16	13.64	17.75
187.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	1.25	0.00	0.00	6.27	26.89	3.41	25.41	14.14	17.75
206.00	917.00	0.00	0.00	0.00	0.00	0.00	0.00	2.81	1.25	0.00	0.00	6.99	27.42	3.82	27.25	14.64	17.75
224.00	1133.00	0.00	0.00	0.00	0.00	0.00	0.00	2.95	1.25	0.00	0.00	7.71	27.71	4.23	28.63	15.15	17.75
243.00	1350.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	1.25	0.00	0.00	8.40	27.86	4.63	29.56	15.65	17.75
262.00	1567.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18	1.25	0.00	0.00	9.07	27.94	5.03	30.15	16.15	17.75
281.00	1783.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	1.25	0.00	0.00	9.72	27.98	5.41	30.49	16.64	17.75
300.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	3.34	1.25	0.00	0.00	10.34	28.01	5.77	30.68	17.10	17.75

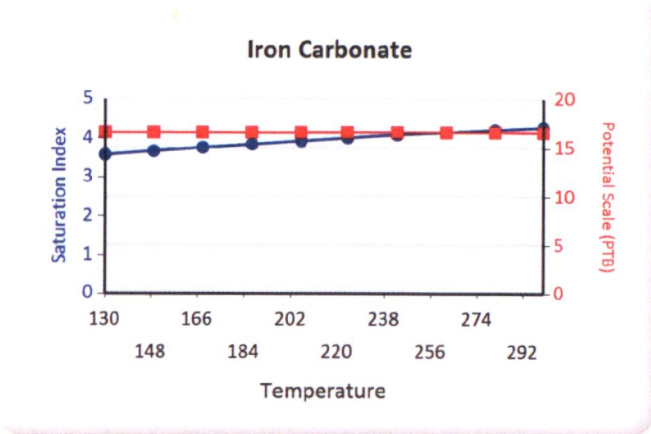
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

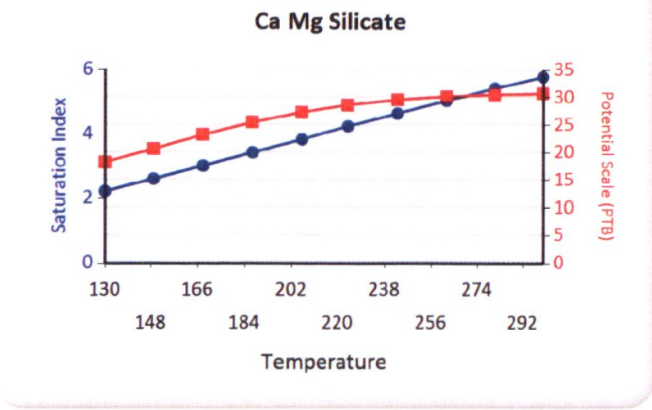
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

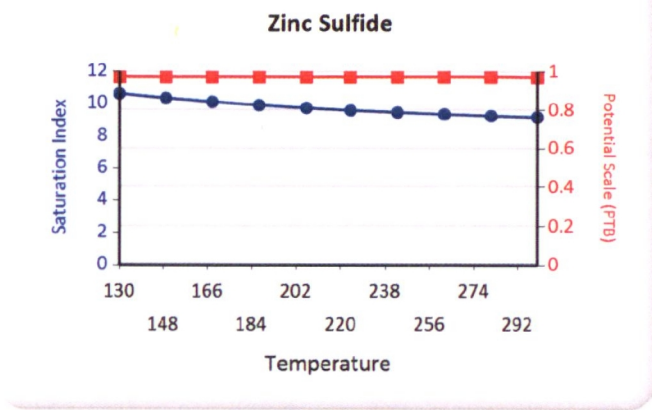









Ca Mg Silicate
Saturation Index
Potential Scale (PTB)
Temperature
130 166 202 238 274
148 184 220 256 292


Zinc Sulfide
Saturation Index
Potential Scale (PTB)
Temperature
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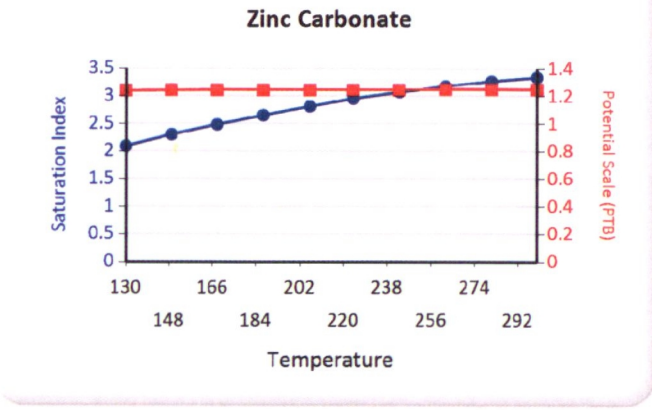
148 184 220 256 292


Zinc Carbonate
Saturation Index
Potential Scale (PTB)
Temperature
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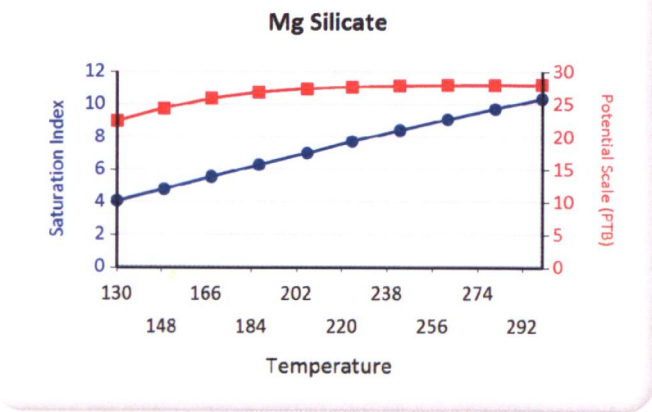
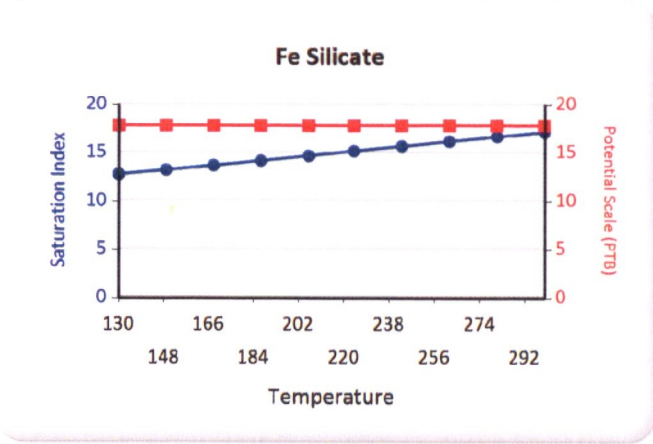
148 184 220 256 292


Mg Silicate
Saturation Index
Potential Scale (PTB)
Temperature
130 166 202 238 274
148 184 220 256 292


Fe Silicate
Saturation Index
Potential Scale (PTB)
20
15
10
5
0
130
166
202
238
274
148
184
220
256
292
Temperature

OMB No. 2040-0042 Approval Expires 11/30/2014

EPA

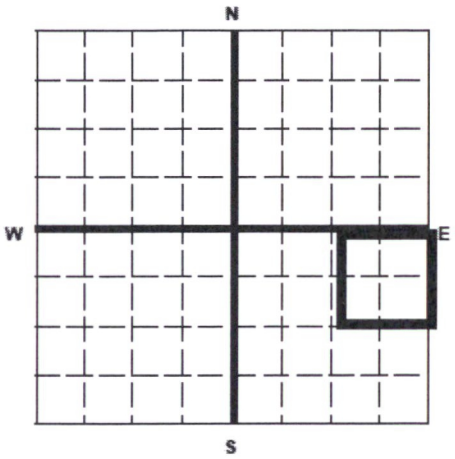
United States Environmental Protection Agency
Washington, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Name and Address of Existing Permittee
Petroglyph Operating Company, Inc. 2258
P.O. Box 7608
Boise, Idaho 83709

Name and Address of Surface Owner
Ute Indian Tribe
P.O. Box 70
Ft. Duchesne, Utah, 84026

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
Utah	Duchesne	UT2736-~~04434~~ 04536

Surface Location Description
___ 1/4 of ___ 1/4 of NE 1/4 of SE 1/4 of Section 19 Township 5S Range 3W

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location 2032 ft. frm (N/S) S Line of quarter section
and 551 ft. from (E/W) E Line of quarter section.

U2 Entered
Date 3/2/16
Initial B3

WELL ACTIVITY
- [ ] Brine Disposal
- [X] Enhanced Recovery
- [ ] Hydrocarbon Storage

TYPE OF PERMIT
- [ ] Individual
- [X] Area

Number of Wells 111

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 19-09

		INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING – CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January	15	1793	1817	391		0	0
February	15	1833	1853	479		0	0
March	15	1839	1860	469		0	0
April	15	1795	1818	373		0	0
May	15	1829	1835	480		0	0
June	15	1846	1870	511		0	0
July	15	1851	1867	475		0	0
August	15	1845	1858	455		0	0
September	15	1825	1857	343		0	0
October	15	1846	1856	506		0	0
November	15	1850	1858	440		0	0
December	15	1834	1850	369		0	0

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
Chad Stevenson, Water Facilities Supervisor		02/08/2016

GREEN BLUE CBI
TAB 2

EPA Form 7520-11 (Rev. 12-11)

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**PETROGLYPH OPERATING CO INC - EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE TRIBAL 19-09 INJ, DUCHESNE**	Lab Tech:	**Michele Pike**
Sample Point:	**Well Head**		
Sample Date:	**1/6/2016**		
Sample ID:	**WA-327664**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics

Test Date:	1/13/2016
System Temperature 1 (°F):	60
System Pressure 1 (psig):	2000
System Temperature 2 (°F):	180
System Pressure 2 (psig):	50
Calculated Density (g/ml):	1.0028
pH:	8.10
Calculated TDS (mg/L):	7955.80
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	120.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00
Tot. SuspendedSolids(mg/L):	
Corrosivity(LanglierSat.Indx)	0.00
Alkalinity:	

Analysis @ Properties in Sample Specifics

Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	2529.33	Chloride (Cl):	2500.00
Potassium (K):	28.87	Sulfate (SO_4):	540.00
Magnesium (Mg):	25.97	Bicarbonate (HCO_3):	2196.00
Calcium (Ca):	88.37	Carbonate (CO_3):	
Strontium (Sr):	6.53	Acetic Acid (CH_3COO)	
Barium (Ba):	13.00	Propionic Acid (C_2H_5COO)	
Iron (Fe):	1.55	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	1.41	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.62	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.02	Silica (SiO_2):	24.13
Aluminum (Al):	0.01	Calcium Carbonate ($CaCO_3$):	
Lithium (Li):	2.44	Phosphates (PO_4):	9.81
Boron (B):	4.29	Oxygen (O_2):	
Silicon (Si):	11.28		

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	50.00	1.92	73.72	1.98	7.66	0.00	0.00	2.45	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.00	267.00	1.80	72.20	2.00	7.67	0.00	0.00	2.31	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.00	483.00	1.72	70.94	2.03	7.67	0.00	0.00	2.20	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	700.00	1.64	69.51	2.06	7.68	0.00	0.00	2.09	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	917.00	1.57	67.92	2.11	7.68	0.00	0.00	1.98	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.00	1133.00	1.50	66.19	2.17	7.69	0.00	0.00	1.87	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1350.00	1.44	64.36	2.24	7.70	0.00	0.00	1.77	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.00	1567.00	1.38	62.48	2.33	7.71	0.00	0.00	1.66	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	1783.00	1.33	60.60	2.43	7.71	0.00	0.00	1.56	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	2000.00	1.29	58.78	2.56	7.72	0.00	0.00	1.45	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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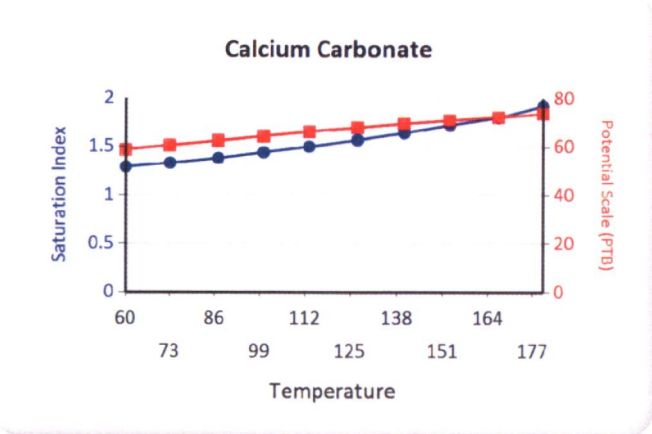
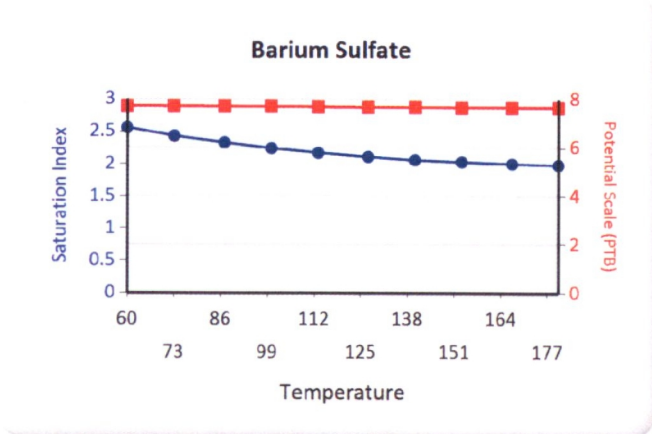
Water Analysis Report

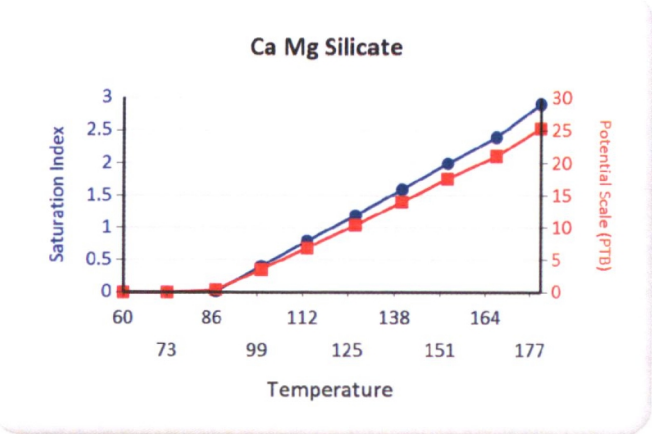
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.94	0.00	0.00	5.14	39.23	2.90	25.37	9.01	1.21
167.00	267.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.94	0.00	0.00	4.30	32.85	2.39	21.11	8.32	1.20
153.00	483.00	0.00	0.00	0.00	0.00	0.00	0.00	1.89	0.94	0.00	0.00	3.61	27.62	1.99	17.64	7.80	1.20
140.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.93	0.00	0.00	2.92	22.14	1.59	14.02	7.29	1.20
127.00	917.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.92	0.00	0.00	2.23	16.64	1.19	10.40	6.79	1.20
113.00	1133.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.90	0.00	0.00	1.54	11.29	0.79	6.89	6.30	1.20
100.00	1350.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.88	0.00	0.00	0.84	6.15	0.40	3.53	5.82	1.19
87.00	1567.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.83	0.00	0.00	0.15	1.22	0.01	0.32	5.34	1.18
73.00	1783.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.75	0.00	0.00	0.00	0.00	0.00	0.00	4.89	1.17
60.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.61	0.00	0.00	0.00	0.00	0.00	0.00	4.44	1.16

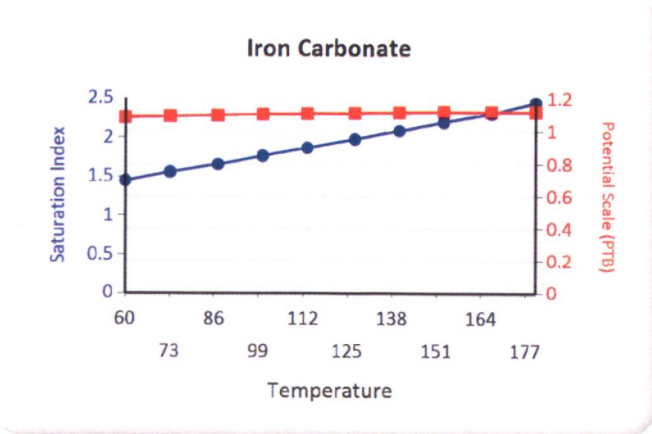
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

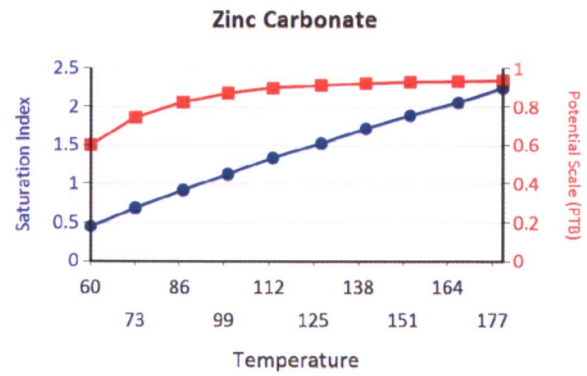
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Fe Silicate

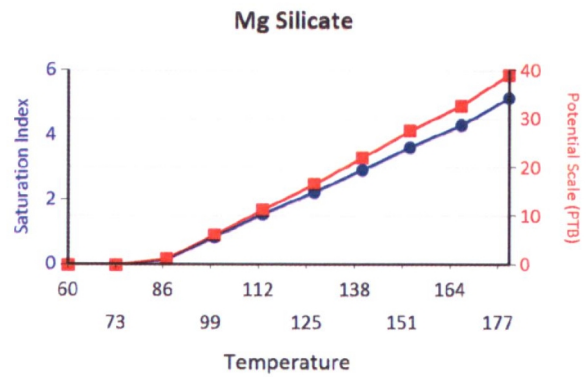


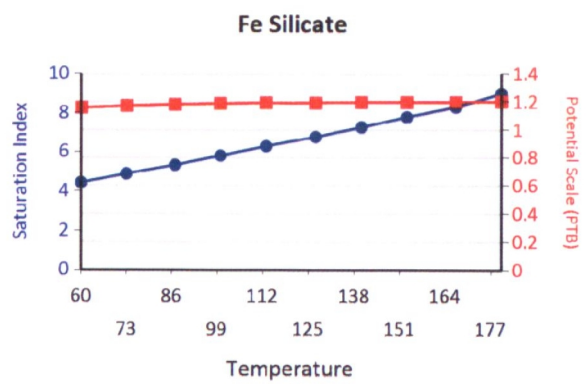







Zinc Carbonate
Saturation Index
Potential Scale (PTB)
Temperature
2.5
2
1.5
1
0.5
0
1
0.8
0.6
0.4
0.2
0
60
86
112
138
164
73
99
125
151
177


Mg Silicate
Saturation Index
Potential Scale (PTB)
Temperature
6
4
2
0
40
30
20
10
0
60
86
112
138
164
73
99
125
151
177


Fe Silicate
Saturation Index
Potential Scale (PTB)
Temperature
10
8
6
4
2
0
1.4
1.2
1
0.8
0.6
0.4
0.2
0
60
86
112
138
164
73
99
125
151
177

OMB No. 2040-0042 Approval Expires 12/31/2011

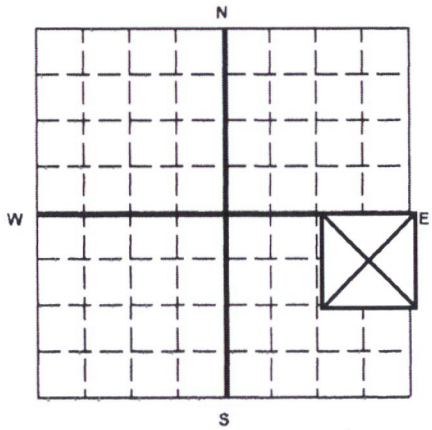
EPA

United States Environmental Protection Agency
Washington, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Name and Address of Existing Permittee	Name and Address of Surface Owner
Petroglyph Operating Company, Inc. 2258 P.O. Box 7608 Boise, Idaho 83709	Ute Indian Tribe P.O. Box 70 Ft. Duchesne, Utah 84026

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
Utah	Duchesne	UT2736-04536

Surface Location Description

___ 1/4 of ___ 1/4 of NE 1/4 of SE 1/4 of Section 19 Township 5S Range 3W

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location 2032 ft. frm (N/S) S Line of quarter section and 551 ft. from (E/W) E Line of quarter section.

WELL ACTIVITY
- [ ] Brine Disposal
- [X] Enhanced Recovery
- [ ] Hydrocarbon Storage

TYPE OF PERMIT
- [ ] Individual
- [X] Area

Number of Wells 111

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 19-09

		INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January	14	1848	1864	414		0	0
February	14	1857	1865	251		0	0
March	14	1840	1853	363		0	0
April	14	1856	1865	347		0	0
May	14	1850	1845	346		0	0
June	14	1088	1858	75		0	0
July	14	1597	1134	1120		0	0
August	14	1836	1860	729		0	0
September	14	1818	1850	588		0	0
October	14	1848	1860	685		0	0
November	14	1853	1860	533		0	0
December	14	1852	1870	519		0	0

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
Chad Stevenson, Water Facilities Supervisor		2/10/2015

EPA Form 7520-11 (Rev. 12-08)

U2 Entered
Date 3/30/15
Initial GW

	GREEN	BLUE	CBI
TAB		2	

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Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**PETROGLYPH OPERATING CO INC - EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE TRIBAL 19-09 INJ, DUCHESNE**	Lab Tech:	**Gary Winegar**
Sample Point:	**WELLHEAD**		
Sample Date:	**1/7/2015**		
Sample ID:	**WA-297431**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	1/14/2015
System Temperature 1 (°F):	160
System Pressure 1 (psig):	1300
System Temperature 2 (°F):	80
System Pressure 2 (psig):	15
Calculated Density (g/ml):	1.0041
pH:	6.50
Calculated TDS (mg/L):	10129.85
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	20.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	2789.09	Chloride (Cl):	5000.00
Potassium (K):	41.23	Sulfate (SO_4):	133.00
Magnesium (Mg):	21.03	Bicarbonate (HCO_3):	2074.00
Calcium (Ca):	37.38	Carbonate (CO_3):	
Strontium (Sr):	4.94	Acetic Acid (CH_3COO)	
Barium (Ba):	3.40	Propionic Acid (C_2H_5COO)	
Iron (Fe):	1.08	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.65	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.08	Silica (SiO_2):	23.97

Notes:
B=6.16 Al=.03 Li=1.35

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
80.00	14.00	0.00	0.00	1.33	1.93	1.30	0.56	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	9.12	0.34
88.00	157.00	0.00	0.00	1.25	1.91	1.15	0.55	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	8.85	0.34
97.00	300.00	0.00	0.00	1.17	1.89	1.13	0.55	0.07	0.12	0.00	0.00	0.00	0.00	0.00	0.00	8.74	0.34
106.00	443.00	0.00	0.00	1.10	1.86	1.13	0.55	0.13	0.20	0.00	0.00	0.00	0.00	0.00	0.00	8.63	0.34
115.00	585.00	0.00	0.00	1.04	1.84	1.13	0.55	0.19	0.28	0.00	0.00	0.00	0.00	0.00	0.00	8.53	0.34
124.00	728.00	0.00	0.00	0.98	1.81	1.13	0.55	0.26	0.35	0.00	0.00	0.00	0.00	0.00	0.00	8.44	0.34
133.00	871.00	0.00	0.00	0.92	1.78	1.15	0.55	0.32	0.41	0.00	0.00	0.00	0.00	0.00	0.00	8.35	0.34
142.00	1014.00	0.00	0.00	0.88	1.75	1.17	0.55	0.38	0.46	0.00	0.00	0.00	0.00	0.00	0.00	8.28	0.34
151.00	1157.00	0.00	0.00	0.83	1.72	1.19	0.56	0.44	0.50	0.00	0.00	0.00	0.00	0.00	0.00	8.21	0.34
160.00	1300.00	0.00	0.00	0.79	1.70	1.22	0.56	0.50	0.54	0.00	0.00	0.00	0.00	0.00	0.00	8.14	0.34

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
80.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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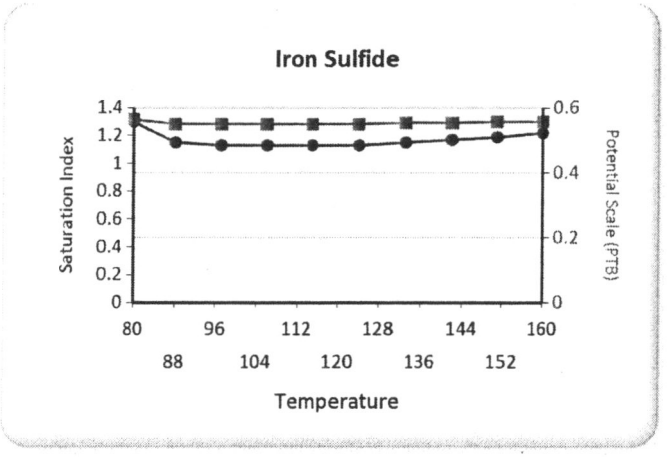
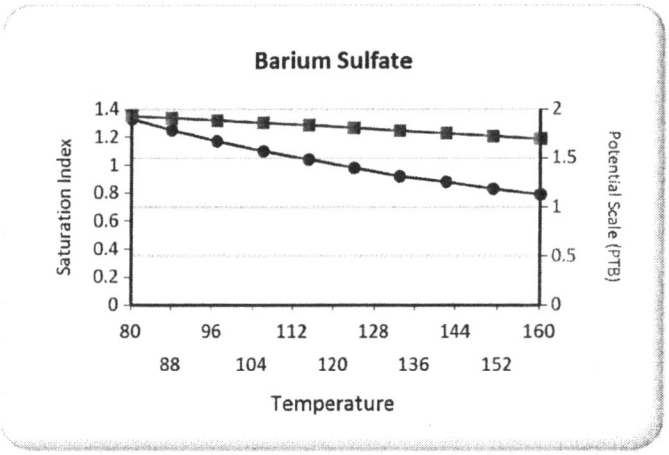
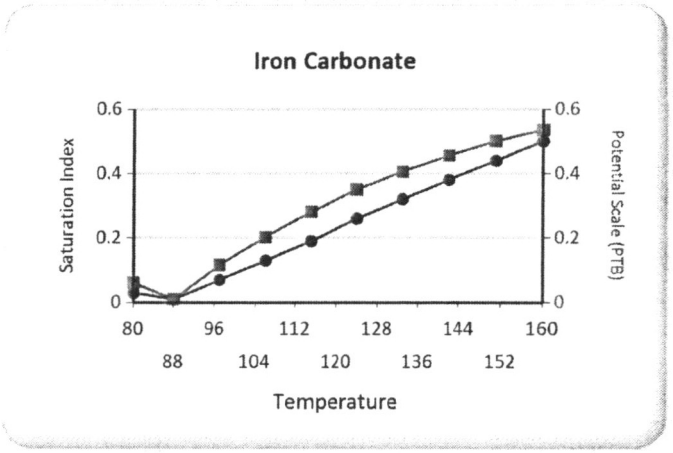
Water Analysis Report

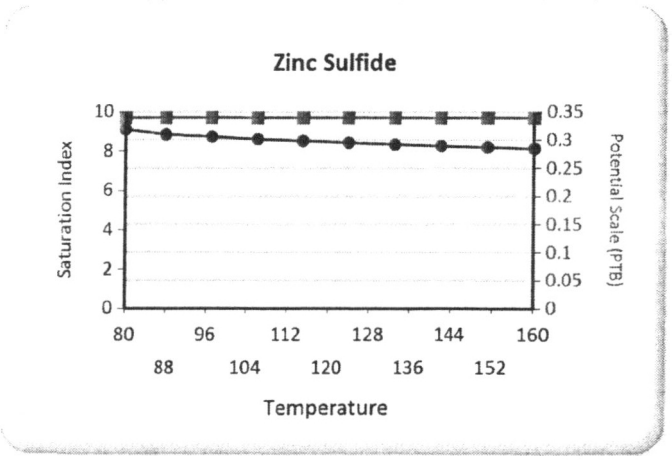
These scales have positive scaling potential under initial temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide

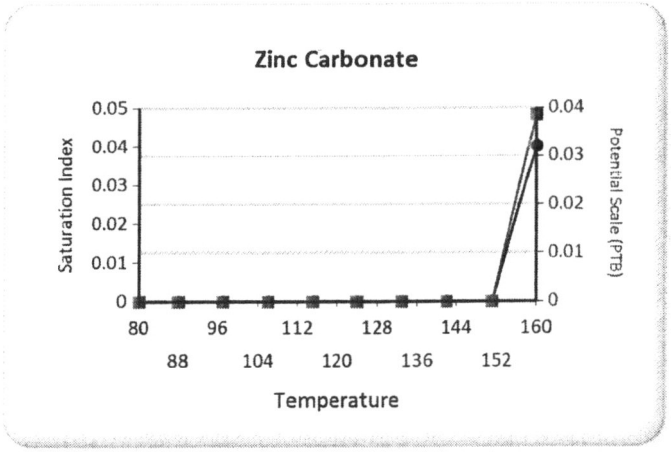
These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate










Zinc Carbonate
Saturation Index
0.05
0.04
0.03
0.02
0.01
0
Potential Scale (PTB)
0.04
0.03
0.02
0.01
0
80
88
96
104
112
120
128
136
144
152
160
Temperature

OMB No. 2040-0042 Approval Expires 12/31/2011

EPA

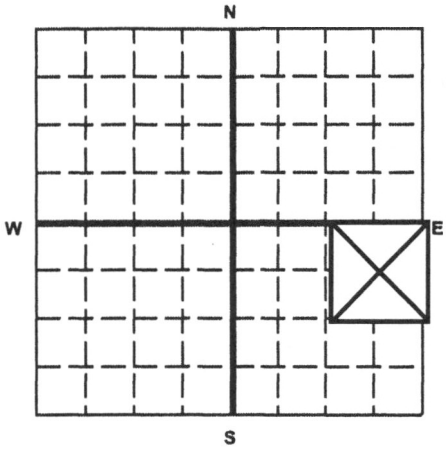
United States Environmental Protection Agency
Washington, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Name and Address of Existing Permittee
Petroglyph Operating Company, Inc. 2258
P.O. Box 7608
Boise, Idaho 83709

Name and Address of Surface Owner
Ute Indian Tribe
P.O. Box 70
Ft. Duchesne, Utah 84026

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
Utah	Duchesne	UT2736-04536

Surface Location Description
___ 1/4 of ___ 1/4 of NE 1/4 of SE 1/4 of Section 19 Township 5S Range 3W

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location 2032 ft. frm (N/S) S Line of quarter section
and 551 ft. from (E/W) E Line of quarter section.

WELL ACTIVITY
- [ ] Brine Disposal
- [x] Enhanced Recovery
- [ ] Hydrocarbon Storage

TYPE OF PERMIT
- [ ] Individual
- [x] Area

Number of Wells 111

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 19-09

		INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January	13	1814	1839	169		0	0
February	13	1847	1864	175		0	0
March	13	1834	1844	203		0	0
April	13	1738	1868	203		0	0
May	13	1860	1869	148		0	0
June	13	1850	1871	145		0	0
July	13	1842	1864	198		0	0
August	13	1815	1824	177		0	0
September	13	1849	1874	185		0	0
October	13	1849	1872	223		0	0
November	13	1842	1847	300		0	0
December	13	1841	1847	358		0	0

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
Chad Stevenson, Water Facilities Supervisor		2/11/2014

EPA Form 7520-11 (Rev. 12-08)

GREEN BLUE CBI
TAB 2

UIC Entered
Date 3/20/14
Initial

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **PETROGLYPH ENERGY INC**
Well Name: **UTE TRIBAL 19-09 INJ**
Sample Point: **Wellhead**
Sample Date: **1/8/2014**
Sample ID: **WA-263000**

Sales Rep: **James Patry**
Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	1/15/2014
System Temperature 1 (°F):	180
System Pressure 1 (psig):	1300
System Temperature 2 (°F):	60
System Pressure 2 (psig):	15
Calculated Density (g/ml):	1.006
pH:	8.40
Calculated TDS (mg/L):	12611.79
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	4468.76	Chloride (Cl):	6000.00
Potassium (K):	72.00	Sulfate (SO_4):	163.00
Magnesium (Mg):	27.00	Bicarbonate (HCO_3):	1781.20
Calcium (Ca):	61.00	Carbonate (CO_3):	
Strontium (Sr):	5.00	Acetic Acid (CH_3COO)	
Barium (Ba):	6.50	Propionic Acid (C_2H_5COO)	
Iron (Fe):	2.50	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.92	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.14	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.23	Silica (SiO_2):	23.54

Notes:
B=5 Al=.05 Li=1

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	1.51	46.01	1.79	3.81	0.00	0.00	1.90	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	157.00	1.52	45.81	1.64	3.78	0.00	0.00	1.97	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.00	300.00	1.54	46.35	1.51	3.75	0.00	0.00	2.04	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	443.00	1.57	46.91	1.40	3.72	0.00	0.00	2.10	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.00	585.00	1.59	47.51	1.30	3.67	0.00	0.00	2.17	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126.00	728.00	1.63	48.11	1.22	3.63	0.00	0.00	2.24	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	871.00	1.66	48.70	1.14	3.59	0.00	0.00	2.30	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.00	1014.00	1.70	49.27	1.08	3.54	0.00	0.00	2.36	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166.00	1157.00	1.75	49.81	1.03	3.50	0.00	0.00	2.42	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	1300.00	1.79	50.32	0.99	3.46	0.00	0.00	2.48	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

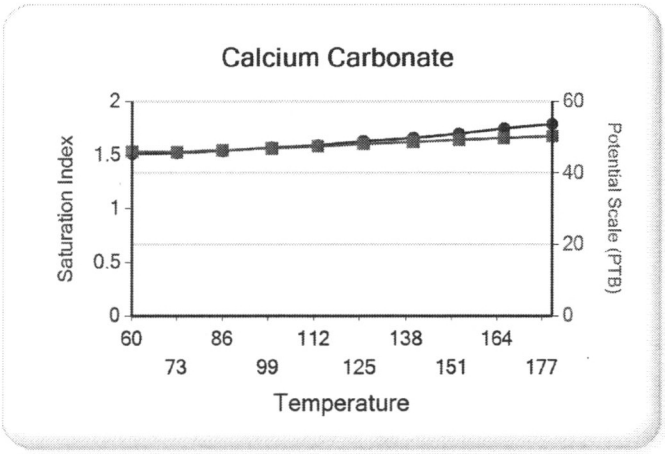
multi-chem®
A HALLIBURTON SERVICE

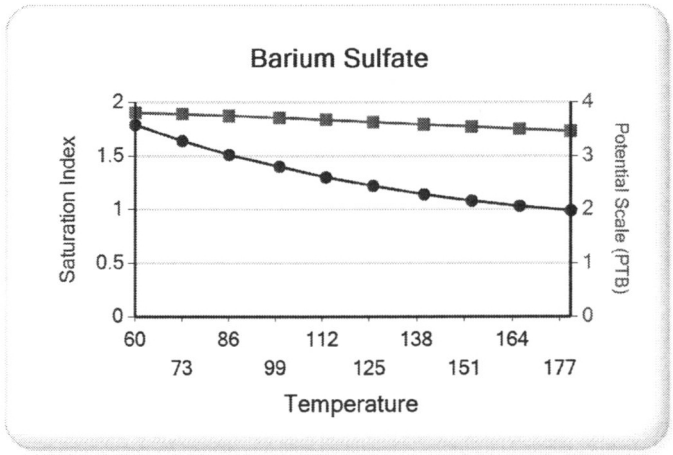
Water Analysis Report

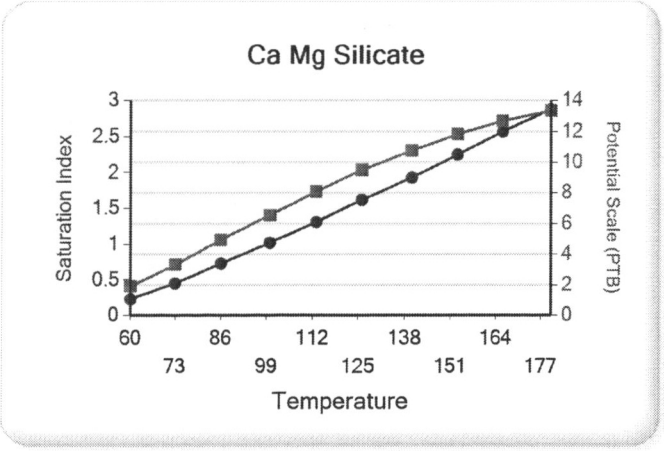
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.44	0.00	0.00	0.74	5.25	0.23	1.90	6.72	1.93
73.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.50	0.00	0.00	1.21	7.94	0.45	3.31	6.91	1.93
86.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.54	0.00	0.00	1.74	10.99	0.73	4.96	7.19	1.93
100.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.57	0.00	0.00	2.29	13.96	1.02	6.56	7.50	1.94
113.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.59	0.00	0.00	2.84	16.82	1.31	8.09	7.83	1.94
126.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.60	0.00	0.00	3.41	19.55	1.62	9.50	8.17	1.94
140.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.60	0.00	0.00	3.97	22.05	1.93	10.75	8.53	1.94
153.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.61	0.00	0.00	4.54	24.22	2.25	11.82	8.90	1.94
166.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.61	0.00	0.00	5.11	25.92	2.57	12.68	9.27	1.94
180.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97	0.61	0.00	0.00	5.66	27.10	2.88	13.35	9.65	1.94

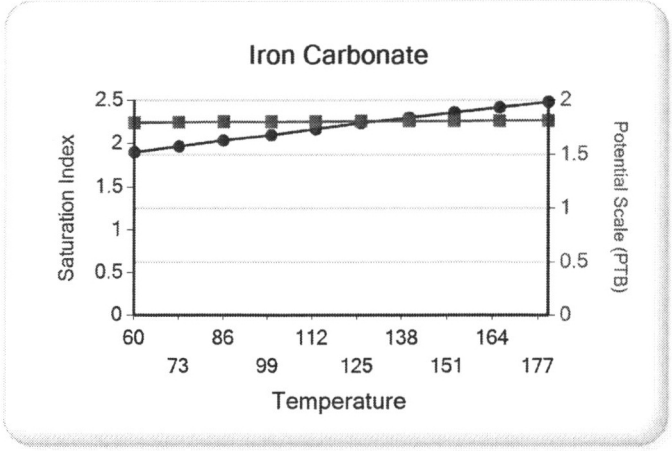
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

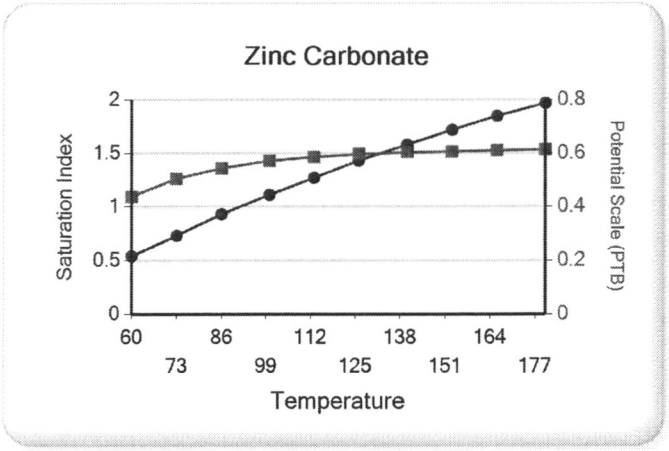
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

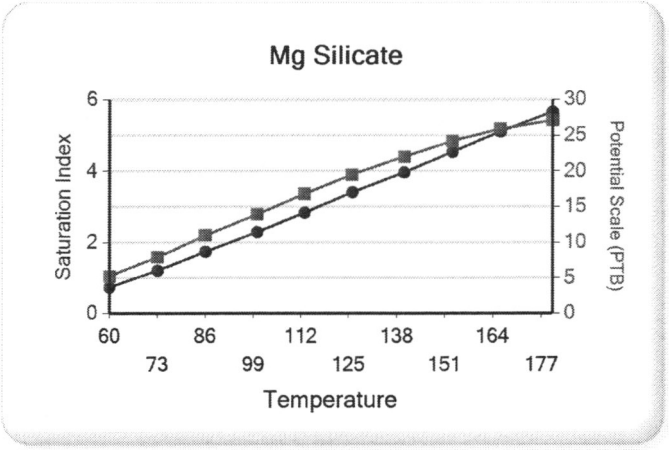


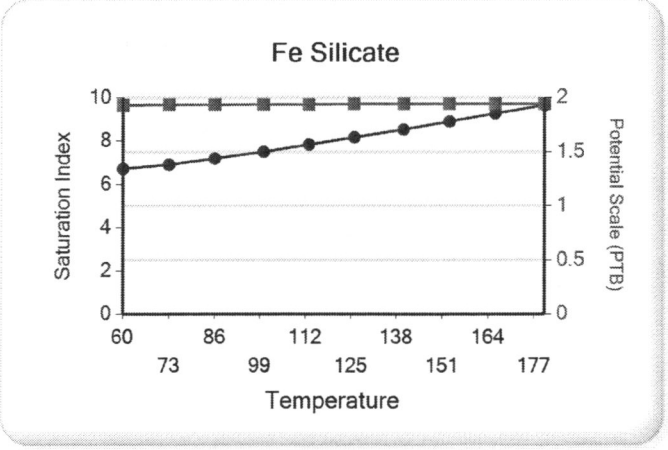







Zinc Carbonate
Saturation Index
Potential Scale (PTB)
Temperature
0
0.5
1
1.5
2
0
0.2
0.4
0.6
0.8
60
73
86
99
112
125
138
151
164
177


Mg Silicate
Saturation Index
Potential Scale (PTB)
Temperature
0
2
4
6
0
5
10
15
20
25
30
60
73
86
99
112
125
138
151
164
177


Fe Silicate
Saturation Index
Potential Scale (PTB)
Temperature
0
2
4
6
8
10
0
0.5
1
1.5
2
60
73
86
99
112
125
138
151
164
177

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466

NOV 14 2000

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Micheal Safford
Operations Coordinator
Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, UT 84066

Re: AUTHORIZATION TO COMMENCE INJECTION
Ute Tribal #19-09 (UT04536)
Antelope Creek Field
EPA AREA PERMIT UT2736-00000
Duchesne County, Utah

Dear Mr. Safford:

Thank you for submitting information pertaining to Ute Tribal #19-09 to the Environmental Protection Agency (EPA) Region VIII Ground Water Program. Requirements of UIC Area Permit UT2736-00000 Part II Sections (C)(2) "Prior To Commencing Injection" required submittal of the following information:

1. Well Rework Record (*EPA Form 7520-12*) with after conversion well schematic; and

2. a successfully run Mechanical Integrity Test (MIT) with pressure chart; and

3. injection zone fluid pore pressure survey.

All required information has been submitted, and has been reviewed and approved by the EPA. Petroglyph has complied with all pertinent conditions of UIC Area Permit UT2736-00000 Part II Section (C)(2). Therefore, effective upon your receipt of this letter, Administrative approval hereby is granted for injection into the Ute Tribal #19-09 under the conditions of UIC Area Permit UT2736-00000. The Director has determined that the **maximum surface injection pressure for the Ute Tribal #19-09 shall not exceed 1900 psig.**

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SU
DENVER, CO 8020

Scan under
UT20736 - 04536
220 Authorization
to Inject - Final
11/14/2000

NOV 14 2000

Ref: 8P-W-GW

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Please send all reporting forms and other required correspondence to Mr. Craver at the address listed below, referencing **EPA WELL ID: UT04536** on all reports and correspondence.

Mr. Al Craver,
Technical Enforcement Program, Mail Code 8ENF-T
U.S. Environmental Protection Agency
999 18th Street, Suite 300
Denver, Colorado, USA, 80202-2466

If you have any questions concerning this authorization or the Permit, please contact Mr. Dan Jackson of my staff at 303.312.6155 or Mr. Craver at 303.312.7821.

Sincerely,

D. Edwin Hogle
Director
Ground Water Program

cc: Mr. Roland McCook, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie, Environmental Director
Ute Indian Tribe

Mr. Norman Cambridge
BIA - Uintah & Ouray Agency

Mr. Gil Hunt
State of Utah Natural Resources
Division of Oil, Gas, and Mining

Mr. Jerry Kenczka
BLM - Vernal District Office

Is your RETURN ADDRESS completed on the reverse side?

SENDER: 11/14/00 CW 3861C

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

NOV 14 2000

UTE TRIBAL #19-09

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: (UT2736-04536)

Mr. Micheal Safford
Operations Coordinator
Petroglyph Operating Co., Inc.
P.O. BOX 607
Roosevelt, UT 84066

4a. Article Number
Z 159 952 239

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
11/17/00

5. Received By: *(Print Name)*

6. Signature: *(Addressee or Agent)*
X

8. Addressee's Address *(Only if requested and fee is paid)*

NOV 20 2000

Thank you for using Return Receipt Service.

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

6

Z 159 952 239

US Postal Service 11/14/00 CW 3861C

Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to Mr. Micheal Safford	
Street & Number Operations Coordinator	
Post Office, State, & ZIP Code Petroglyph Operating Co., Inc. P.O. BOX 607 Roosevelt, UT 84066	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466

NOV 14 2000

Ref: 8P-W-GW

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Printed on Recycled Paper

Please be reminded that it is the responsibility of the permittee to be aware of, and to comply with, all conditions of the Permit. Effective upon receipt of this letter, EPA administration of this well is transferred to Mr. Al Craver, Compliance Officer in the Office of Enforcement, Compliance, and Environmental Justice Technical Enforcement Program, who is your point of contact for routine compliance matters and reports.

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Mr. Al Craver,
Technical Enforcement Program, Mail Code 8ENF-T
U.S. Environmental Protection Agency
999 18th Street, Suite 300
Denver, Colorado, USA, 80202-2466

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Director
Ground Water Program

cc: Mr. Roland McCook, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie, Environmental Director
Ute Indian Tribe

Mr. Norman Cambridge
BIA - Uintah & Ouray Agency

Mr. Gil Hunt
State of Utah Natural Resources
Division of Oil, Gas, and Mining

Mr. Jerry Kenczka
BLM - Vernal District Office

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466

NOV 14 2000

CONCURRENCE COPY

Ref: 8P-W-GW

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Concur

CEW 11/13/00

8P-W-GW Duplicate 11/13/00

8P-W-GW 11/13/00 KG mailed 11/14/00 KG

11/14/00

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