Inspection Report For Well: UT20736 - 04356

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/ 12/2013

Others: Ajayi, Christopher — Time: 9:20 am / pm

OPERATOR (only if different): _____

REPRESENTATIVE(S): Chad Stevenson

PRE-INSPECTION REVIEW

Petroglyph Operating Company, Inc

Well Name:	Ute Tribal 04-02		
Well Type:	Enhanced Recovery (2R)		
Operating Status:	AC (ACTIVE) as of 12/31/2002		
Oil Field:	Antelope Creek (Duchesne)		
Location:	NWNE S4 T5S R3W		
Indian Country:	X, Uintah and Ouray		
Last Inspection:	8/28/2012	***Allowable Inj Pressure:***	2344 /
Last MIT:	Pass 8/3/2010	***Annulus Pressure From Last MIT:***	1100

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 DB

OBSERVED VALUES:

Tubing Gauge:	[x] Yes [ ] No	Pressure: U: 1897 / L: ____ psig Gauge Range: (Strata) psig	Gauge Owner:	[ ] EPA [x] Operator
Annulus Gauge:	[x] Yes [ ] No	Pressure: 0 psig Gauge Range: open 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 SR

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

GREEN	BLUE	CBI
	1	

Inspection Report For Well: UT20736 - 04356 (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: 12/16/13
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

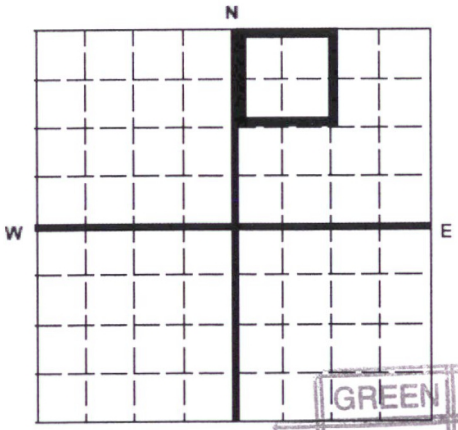
United States Environmental Protection Agency
Washington, DC 20460

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	UT2736-04356

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

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

Surface Location 660 ft. frm (N/S) N Line of quarter section
and 1970 ft. from (E/W) E Line of quarter section.

WELL ACTIVITY	TYPE OF PERMIT
[ ] Brine Disposal	[ ] Individual
[X] Enhanced Recovery	[X] Area
[ ] Hydrocarbon Storage	Number of Wells 111

U2 Entered
Date 3/24/17
Initial DS

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 04-02

GREEN BLUE OR 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	1874	1891	816		0	0
February	16	1856	1876	706		0	0
March	16	1870	1886	878		0	0
April	16	1903	1918	939		0	0
May	16	1858	1879	760		0	0
June	16	1884	1890	1086		0	0
July	16	1857	1870	974		0	0
August	16	1864	1888	986		0	0
September	16	1881	1894	950		0	0
October	16	1907	1911	1207		0	0
November	16	1937	1967	886		0	0
December	16	1935	1963	997		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	Chad Stevenson	03/21/2017

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 OPERATING CO INC - EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE TRIBAL 04-02 INJ, TT, DUCHESNE**	Lab Tech:	**Kaitlyn Natelli**
Sample Point:	**Well Head**		
Sample Date:	**1/6/2017**		
Sample ID:	**WA-345336**		

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):	0.9984
pH:	7.00
Calculated TDS (mg/L):	1771.72
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	30.00
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):	414.53	Chloride (Cl):	170.00
Potassium (K):	3.69	Sulfate (SO_4):	110.00
Magnesium (Mg):	24.22	Bicarbonate (HCO_3):	976.00
Calcium (Ca):	46.02	Carbonate (CO_3):	
Strontium (Sr):	0.80	Hydroxide(HO):	
Barium (Ba):	1.70	Acetic Acid (CH_3COO)	
Iron (Fe):	15.43	Propionic Acid (C_2H_5COO)	
Zinc (Zn):	2.13	Butanoic Acid (C_3H_7COO)	
Lead (Pb):	0.00	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Ammonia NH_3:		Fluoride (F):	
Manganese (Mn):	0.14	Bromine (Br):	
Aluminum (Al):	0.18	Silica (SiO_2):	7.06
Lithium (Li):	2.63	Calcium Carbonate ($CaCO_3$):	
Boron (B):	0.49	Phosphates (PO_4):	1.26
Silicon (Si):	3.30	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	0.28	14.29	1.10	0.93	0.00	0.00	1.90	11.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149.00	267.00	0.36	17.70	1.00	0.91	0.00	0.00	2.02	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168.00	483.00	0.49	22.36	0.94	0.89	0.00	0.00	2.18	11.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
187.00	700.00	0.63	26.52	0.89	0.88	0.00	0.00	2.33	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206.00	917.00	0.79	30.06	0.85	0.87	0.00	0.00	2.49	11.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
224.00	1133.00	0.95	32.92	0.84	0.86	0.00	0.00	2.64	11.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
243.00	1350.00	1.11	35.13	0.83	0.86	0.00	0.00	2.78	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
262.00	1567.00	1.29	36.76	0.84	0.87	0.00	0.00	2.93	11.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281.00	1783.00	1.47	37.93	0.86	0.87	0.00	0.00	3.07	11.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	2000.00	1.66	38.74	0.89	0.88	0.00	0.00	3.20	11.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Vernal, UT 84078

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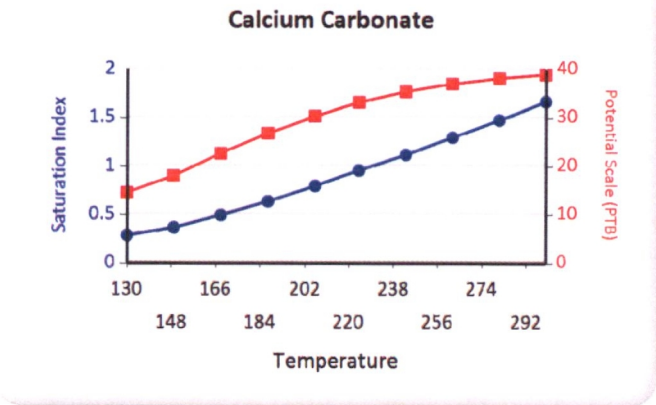
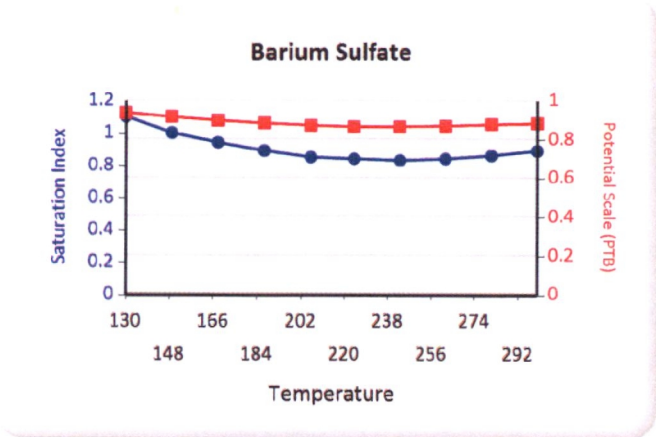
Water Analysis Report

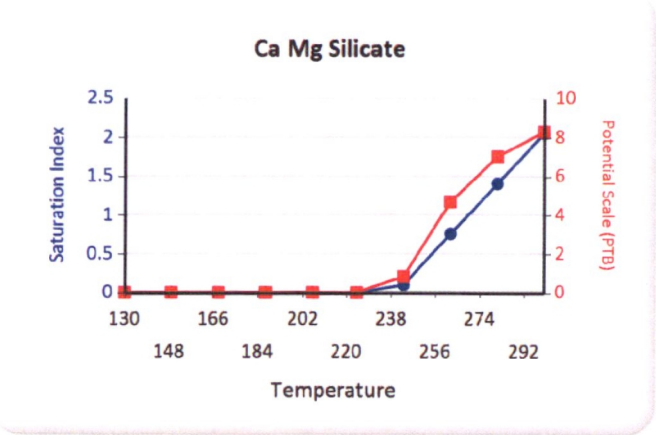
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
130.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	1.18	0.00	0.00	0.00	0.00	0.00	0.00	3.17	9.52
149.00	267.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00	3.78	10.28
168.00	483.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	1.35	0.00	0.00	0.00	0.00	0.00	0.00	4.63	11.00
187.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	1.38	0.00	0.00	0.00	0.00	0.00	0.00	5.49	11.45
206.00	917.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	1.41	0.00	0.00	0.00	0.00	0.00	0.00	6.38	11.71
224.00	1133.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	1.42	0.00	0.00	1.03	8.21	0.00	0.00	7.27	11.85
243.00	1350.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	1.42	0.00	0.00	2.11	13.82	0.10	0.81	8.18	11.92
262.00	1567.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	1.42	0.00	0.00	3.18	16.67	0.76	4.68	9.09	11.96
281.00	1783.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	1.43	0.00	0.00	4.23	17.78	1.41	7.01	9.99	11.98
300.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62	1.43	0.00	0.00	5.26	18.15	2.06	8.28	10.90	11.99

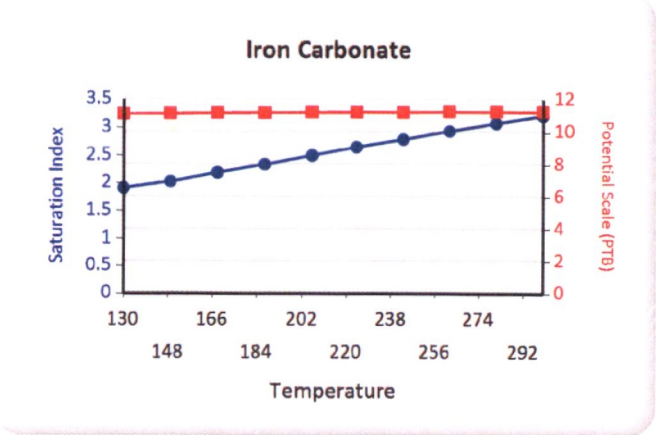
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Fe Silicate

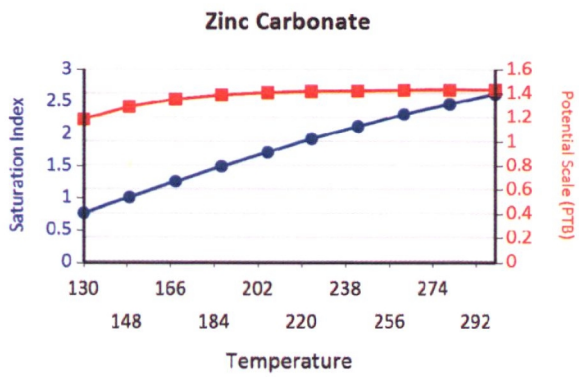
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

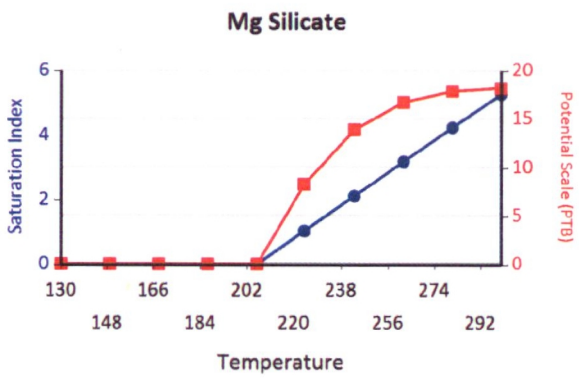


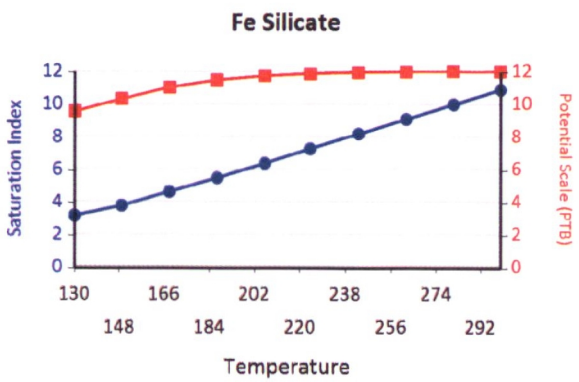







Zinc Carbonate
Saturation Index
Potential Scale (PTB)
Temperature
130
166
202
238
274
148
184
220
256
292


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)
Temperature
130
166
202
238
274
148
184
220
256
292

GF CBI

2

Mechanical Integrity Test
Tubing/Casing Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program
1595 Wynkoop Street, Denver, CO 80202

EPA Witness: _____ Date: 2 / 2 / 17
Test conducted by: C HAD STEVENSON
Others present: _____

Well Name: 04-02 UT20736-04356 Type: ER SWD **Status: AC TA UC**
Field: ANTELOPE CREEK
Location: 04-02 Sec: ____ T ____ N / S R ____ E / W County: DUCHESNE State: UT
Operator: PETROGLYPH ENERGY
Last MIT: ___ / ___ / ___ **Maximum Allowable Pressure:** _____ **PSIG**

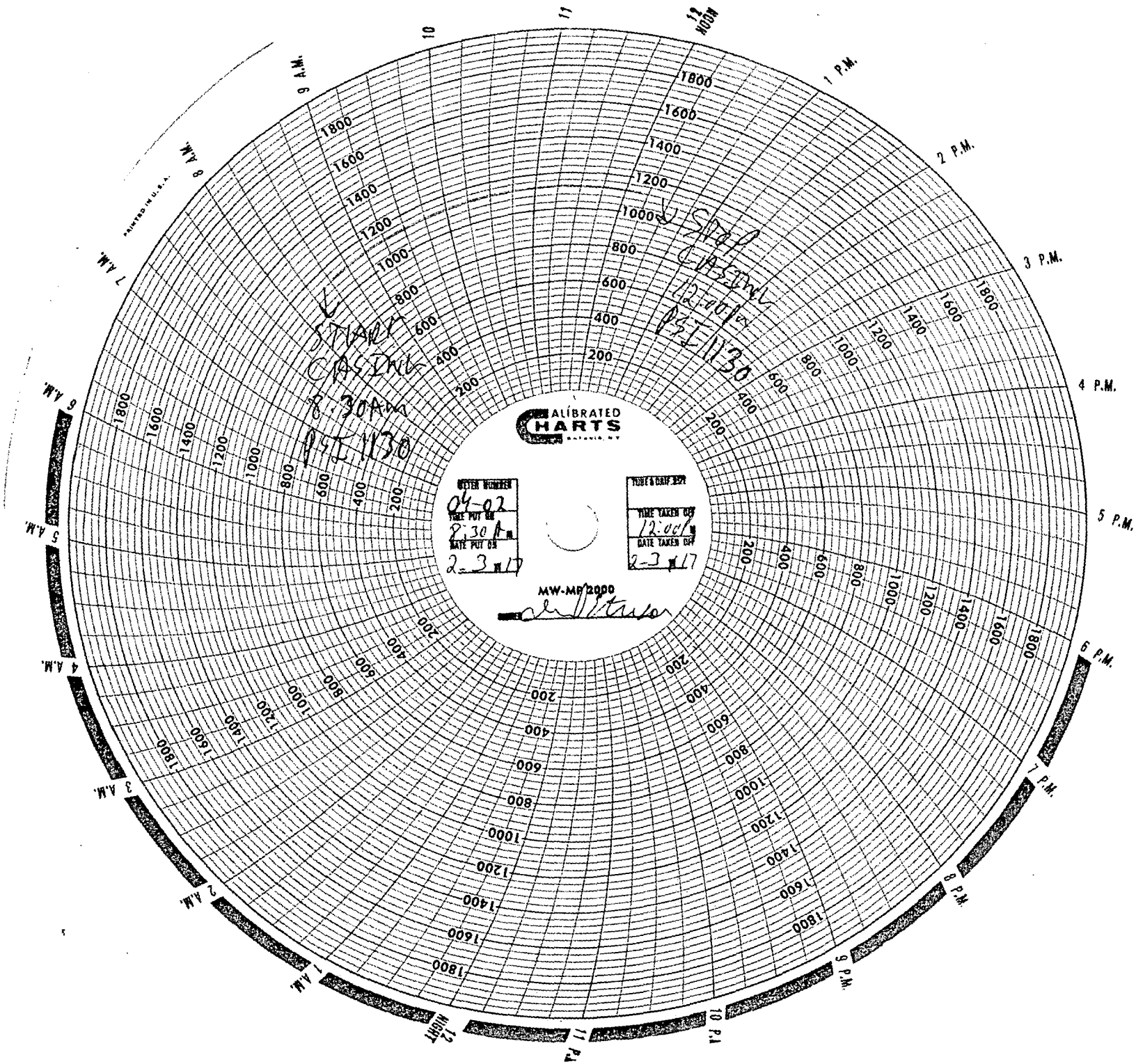
Regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [ ] No
Test after well rework? [ ] Yes [ ] No

U2 Entered
Date 3/20/17
Initial DB

Well injecting during test? If Yes, rate: 28 **bpd**
Pre-test annulus pressure: _____ **psig**

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING		**PRESSURE RECORD**	
Initial Pressure	1894 psig	psig	psig
End of test pressure	1894 psig	psig	psig
CASING / TUBING ANNULUS		**PRESSURE RECORD**	
0 minutes	1130 psig	psig	psig
5 minutes	1130 psig	psig	psig
10 minutes	1130 psig	psig	psig
15 minutes	1130 psig	psig	psig
20 minutes	1130 psig	psig	psig
25 minutes	1130 psig	psig	psig
30 minutes	1130 psig	psig	psig
3/2 Hours ~~minutes~~	1130 psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? If Yes, _____ **psig.**


CALIBRATED CHARTS
METER NUMBER
04-02
TIME PUT ON
8:30 AM
DATE PUT ON
2-3-17
TIME TAKEN OFF
12:00 PM
DATE TAKEN OFF
2-3-17
MW-MP 2000
Start CASDrill 8:30Am PSI 1130
Stop CASDrill 12:00 PSI 1130
12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
12 MIDNIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10
11

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

EPA

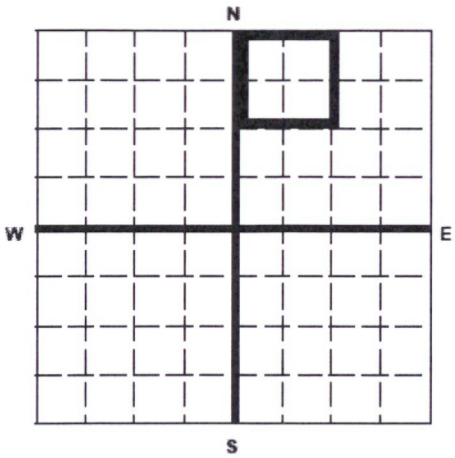
United States Environmental Protection Agency
Washington, DC 20460

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 04356

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

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

Surface Location 660 ft. frm (N/S) N Line of quarter section
and 1970 ft. from (E/W) E Line of quarter section.

U2 Entered
Date 2/29/16
Initial DB

WELL ACTIVITY	TYPE OF PERMIT
[ ] Brine Disposal	[ ] Individual
[X] Enhanced Recovery	[X] Area
[ ] Hydrocarbon Storage	Number of Wells 111

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 04-02

		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	1882	1884	1313		0	0
February	15	1909	1926	1400		0	0
March	15	1905	1926	1321		0	0
April	15	1909	1926	945		0	0
May	15	1888	1894	857		0	0
June	15	1907	1926	998		0	0
July	15	1916	1921	1113		0	0
August	15	1877	1896	883		0	0
September	15	1897	1914	932		0	0
October	15	1923	1945	1005		0	0
November	15	1864	1927	586		0	0
December	15	1855	1898	756		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

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

GREEN	BLUE	CBI
TAB	2	

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 04-02 INJ, DUCHESNE**	Lab Tech:	**Gary Peterson**
Sample Point:	**Well Head**		
Sample Date:	**1/6/2016**		
Sample ID:	**WA-327580**		

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

Sample Specifics

Test Date:	1/7/2016
System Temperature 1 (°F):	60
System Pressure 1 (psig):	2000
System Temperature 2 (°F):	180
System Pressure 2 (psig):	50
Calculated Density (g/ml):	1.0013
pH:	6.80
Calculated TDS (mg/L):	5648.08
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	100.00
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):	1637.39	Chloride (Cl):	2000.00
Potassium (K):	3.99	Sulfate (SO_4):	490.00
Magnesium (Mg):	78.32	Bicarbonate (HCO_3):	1220.00
Calcium (Ca):	179.18	Carbonate (CO_3):	
Strontium (Sr):	5.20	Acetic Acid (CH_3COO)	
Barium (Ba):	0.81	Propionic Acid (C_2H_5COO)	
Iron (Fe):	2.63	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.68	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.58	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.04	Silica (SiO_2):	29.26
Aluminum (Al):	0.05	Calcium Carbonate ($CaCO_3$):	
Lithium (Li):	0.75	Phosphates (PO_4):	3.54
Boron (B):	0.41	Oxygen (O_2):	
Silicon (Si):	13.68		

Notes:
S=185.00

(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	0.90	100.33	0.79	0.40	0.00	0.00	1.26	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.00	267.00	0.73	85.33	0.81	0.41	0.00	0.00	1.07	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.00	483.00	0.62	74.85	0.84	0.41	0.00	0.00	0.93	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	700.00	0.52	64.13	0.88	0.42	0.00	0.00	0.80	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	917.00	0.42	53.36	0.93	0.42	0.00	0.00	0.66	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.00	1133.00	0.33	42.71	0.99	0.43	0.00	0.00	0.53	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1350.00	0.25	32.38	1.07	0.44	0.00	0.00	0.40	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.00	1567.00	0.17	22.54	1.16	0.45	0.00	0.00	0.28	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	1783.00	0.10	13.34	1.27	0.46	0.00	0.00	0.15	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	2000.00	0.04	4.93	1.40	0.46	0.00	0.00	0.03	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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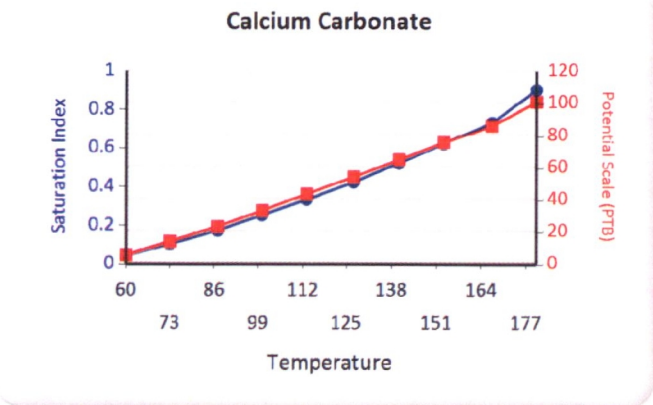
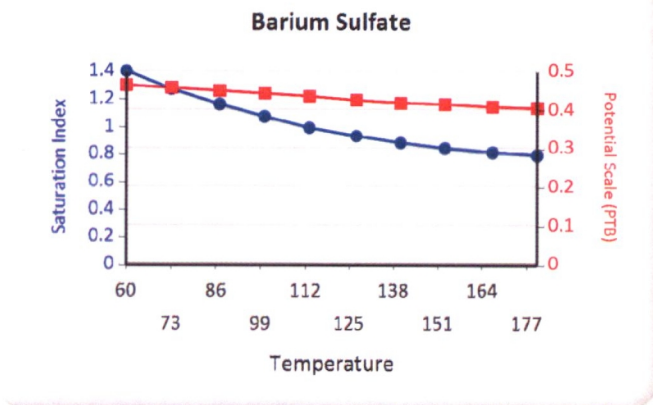
Water Analysis Report

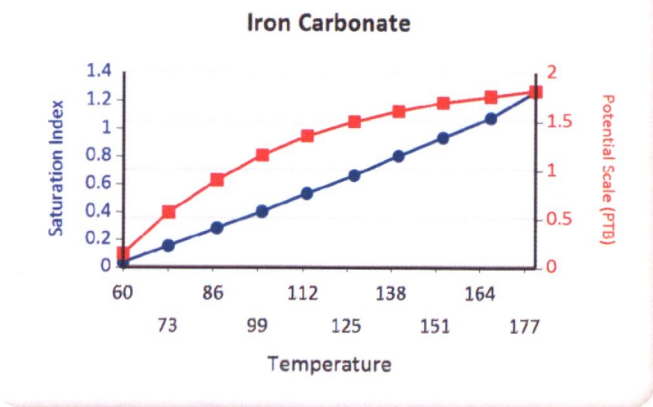
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.35	0.00	0.00	0.00	0.00	0.00	0.00	2.85	1.81
167.00	267.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.26	0.00	0.00	0.00	0.00	0.00	0.00	1.84	1.52
153.00	483.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.16	0.00	0.00	0.00	0.00	0.00	0.00	1.17	1.18
140.00	700.00	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	0.52	0.64
127.00	917.00	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
113.00	1133.00	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
100.00	1350.00	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
87.00	1567.00	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
73.00	1783.00	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
60.00	2000.00	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

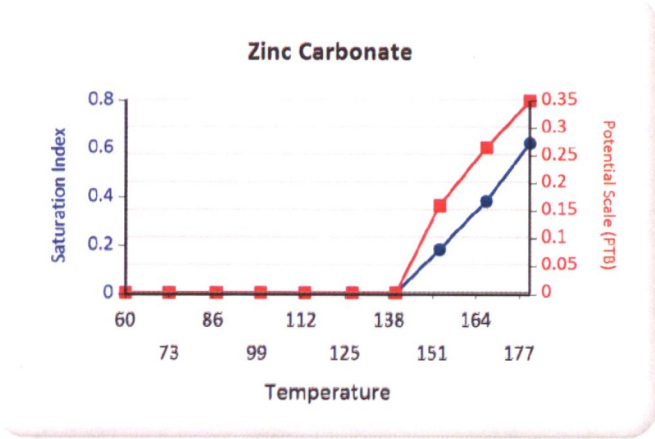
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Fe Silicate

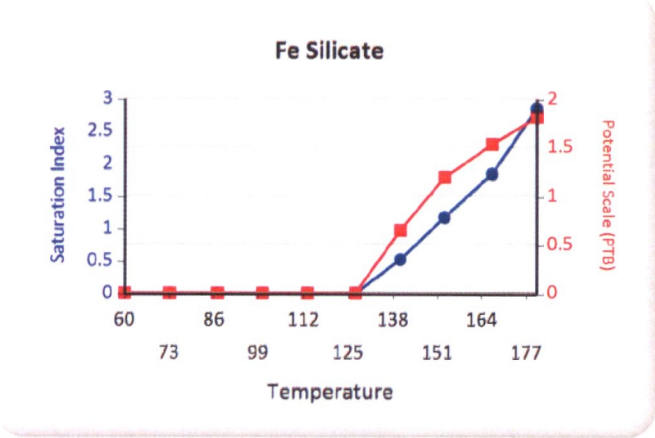
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate








Zinc Carbonate
Saturation Index
0.8
0.6
0.4
0.2
0
Potential Scale (PTB)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
60
86
112
138
164
73
99
125
151
177
Temperature


Fe Silicate
Saturation Index
3
2.5
2
1.5
1
0.5
0
Potential Scale (PTB)
2
1.5
1
0.5
0
60
86
112
138
164
73
99
125
151
177
Temperature

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

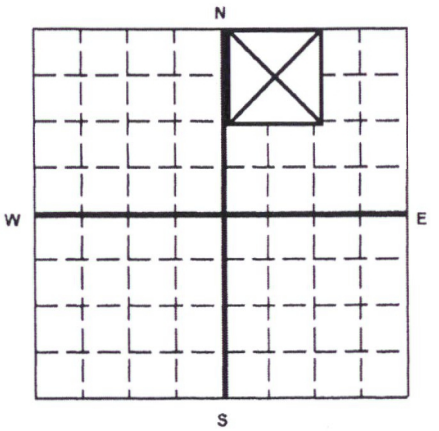
EPA

United States Environmental Protection Agency
Washington, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Name and Address of Existing Permittee	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	UT2736-04356

Surface Location Description

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

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

Surface Location 660 ft. frm (N/S) N Line of quarter section and 1970 ft. from (E/W) E Line of quarter section.

WELL ACTIVITY	TYPE OF PERMIT
[ ] Brine Disposal	[ ] Individual
[X] Enhanced Recovery	[X] Area
[ ] Hydrocarbon Storage	Number of Wells 111

Lease Name Ute Indian Tribe Well Number UTE TRIBAL 04-02

		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	1924	1935	1172		0	0
February	14	1924	1927	966		0	0
March	14	1918	1926	1095		0	0
April	14	1899	1923	1093		0	0
May	14	1930	1933	1190		0	0
June	14	1927	1975	1056		0	0
July	14	1896	1936	1001		0	0
August	14	1922	1939	1203		0	0
September	14	1870	1947	968		0	0
October	14	1920	1949	1299		0	0
November	14	1907	1930	1120		0	0
December	14	1904	1911	1238		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		2/10/2015

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

U2 Entered
Date 3/20/15
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 04-02 INJ, DUCHESNE**	Lab Tech:	**Gary Winegar**
Sample Point:	**WELLHEAD**		
Sample Date:	**1/7/2015**		
Sample ID:	**WA-297432**		

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):	1.0016
pH:	6.50
Calculated TDS (mg/L):	6328.99
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	40.00
H_2S in Gas (%):	
H2S in Water (mg/L):	5.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	1669.67	Chloride (Cl):	3000.00
Potassium (K):	28.52	Sulfate (SO_4):	216.00
Magnesium (Mg):	51.13	Bicarbonate (HCO_3):	1220.00
Calcium (Ca):	105.79	Carbonate (CO_3):	
Strontium (Sr):	4.42	Acetic Acid (CH_3COO)	
Barium (Ba):	0.79	Propionic Acid (C_2H_5COO)	
Iron (Fe):	4.50	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.70	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.10	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.06	Silica (SiO_2):	27.31

Notes:
B=3.39 Al=.02 Li=1.14

(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	1.05	0.43	1.26	2.22	0.40	1.95	0.00	0.00	0.00	0.00	0.00	0.00	8.61	0.36
88.00	157.00	0.00	0.00	0.97	0.42	1.11	2.12	0.37	1.86	0.00	0.00	0.00	0.00	0.00	0.00	8.35	0.36
97.00	300.00	0.00	0.00	0.89	0.41	1.10	2.12	0.44	2.06	0.00	0.00	0.00	0.00	0.00	0.00	8.23	0.36
106.00	443.00	0.00	0.00	0.82	0.40	1.10	2.11	0.50	2.22	0.00	0.00	0.00	0.00	0.00	0.00	8.13	0.36
115.00	585.00	0.00	0.00	0.76	0.39	1.10	2.12	0.57	2.37	0.00	0.00	0.00	0.00	0.00	0.00	8.03	0.36
124.00	728.00	0.00	0.00	0.70	0.38	1.11	2.12	0.63	2.49	0.00	0.00	0.00	0.00	0.00	0.00	7.94	0.36
133.00	871.00	0.04	4.84	0.65	0.36	1.12	2.13	0.69	2.60	0.00	0.00	0.00	0.00	0.00	0.00	7.86	0.36
142.00	1014.00	0.09	10.19	0.60	0.35	1.15	2.15	0.76	2.69	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.36
151.00	1157.00	0.14	15.56	0.56	0.34	1.17	2.17	0.82	2.77	0.00	0.00	0.00	0.00	0.00	0.00	7.72	0.36
160.00	1300.00	0.19	20.91	0.52	0.33	1.21	2.19	0.88	2.84	0.00	0.00	0.00	0.00	0.00	0.00	7.66	0.36

		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	10.03	0.04	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	9.66	0.04	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	9.44	0.04	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	9.24	0.04	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	9.04	0.04	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	8.86	0.04	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	8.70	0.04	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	8.54	0.04	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	8.39	0.04	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	0.00	0.00	8.25	0.04	0.00	0.00	0.00	0.00	0.00	0.00

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Vernal, UT 84078

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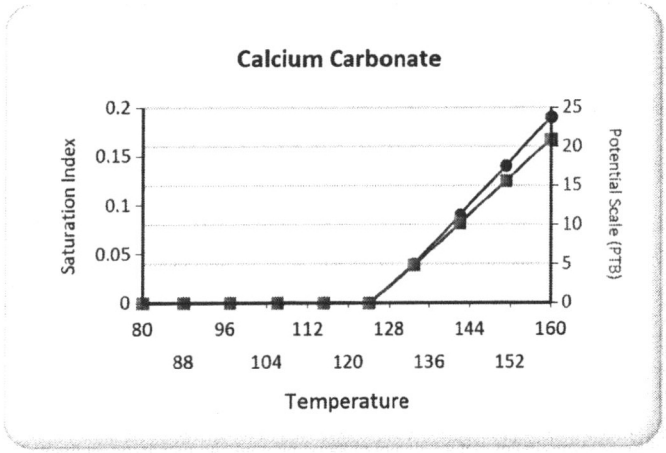
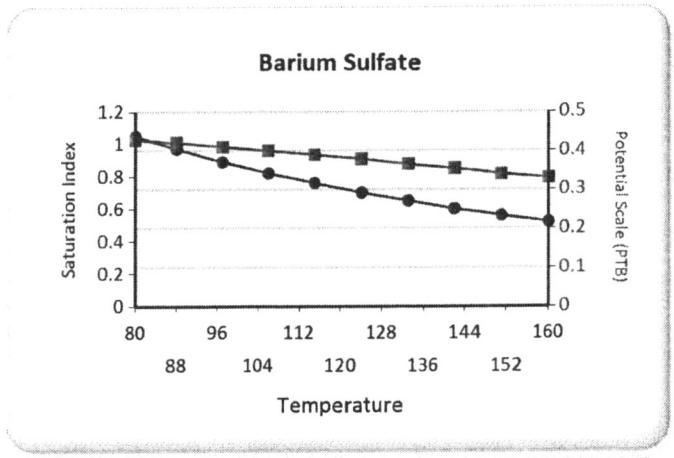
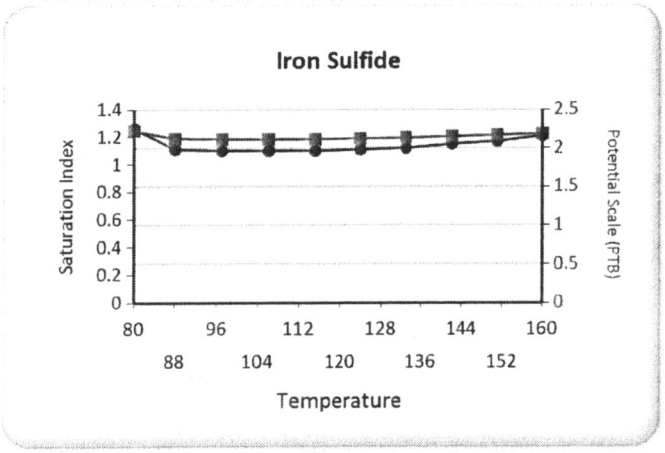
Water Analysis Report

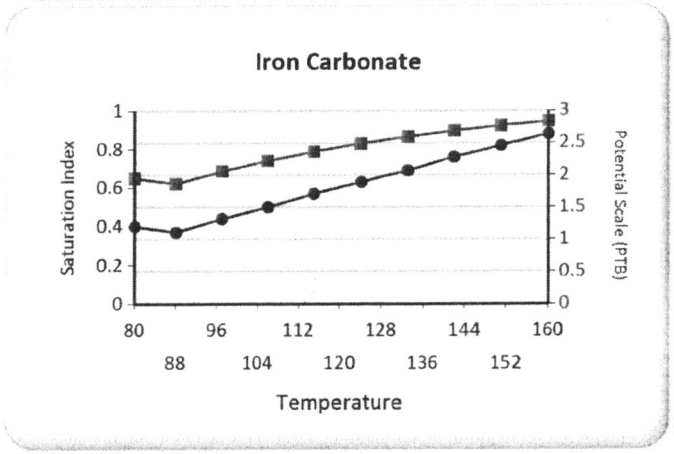
These scales have positive scaling potential under initial temperature and pressure: Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

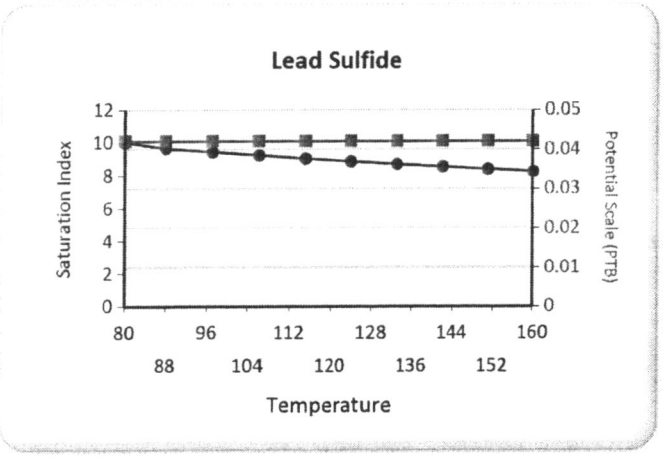
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

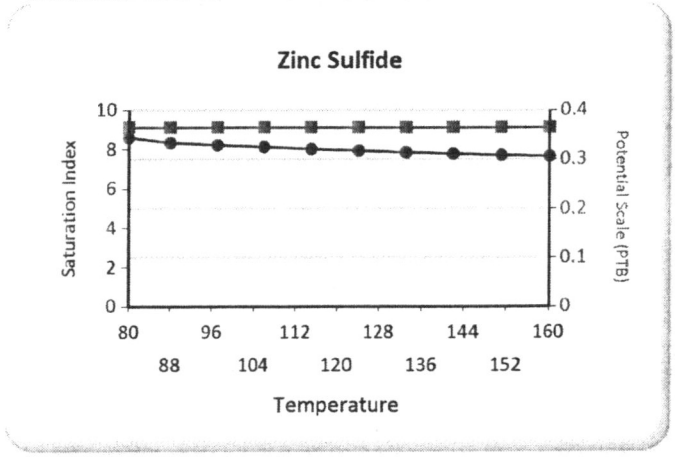












OMB No. 2040-0042 Approval Expires 12/31/2011

EPA

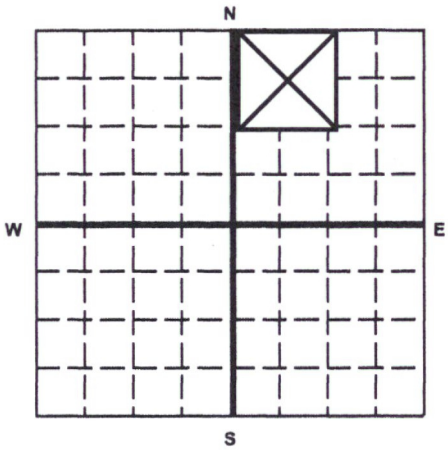
United States Environmental Protection Agency
Washington, DC 20460

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	UT2736-04356

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

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

Surface Location 660 ft. frm (N/S) N Line of quarter section
and 1970 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 04-02

		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	1901	1921	1268		0	0
February	13	1901	1906	1020		0	0
March	13	1885	1953	1240		0	0
April	13	1910	1918	1300		0	0
May	13	1926	1951	1372		0	0
June	13	1908	1949	1040		0	0
July	13	1898	1917	1012		0	0
August	13	1899	1925	1210		0	0
September	13	1903	1923	1215		0	0
October	13	1890	1955	1065		0	0
November	13	1888	1900	1071		0	0
December	13	1898	1915	1153		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		2/11/2014

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

TAB | GREEN | BLUE | CB
✓

UIC Entered
Date 3/17/14
Initial DB

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 ENERGY INC**
Well Name: **UTE TRIBAL 04-02 INJ**
Sample Point: **Wellhead**
Sample Date: **1/8/2014**
Sample ID: **WA-263009**

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:	8.50
Calculated TDS (mg/L):	12564.52
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):	4525.23	Chloride (Cl):	6000.00
Potassium (K):	57.00	Sulfate (SO_4):	0.00
Magnesium (Mg):	7.50	Bicarbonate (HCO_3):	1903.20
Calcium (Ca):	20.00	Carbonate (CO_3):	
Strontium (Sr):	5.00	Acetic Acid (CH_3COO)	
Barium (Ba):	20.00	Propionic Acid (C_2H_5COO)	
Iron (Fe):	2.60	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.36	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.02	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.28	Silica (SiO_2):	23.33

Notes:
B=5.5 Al=.07 Li=1.4

(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	1.16	15.79	0.00	0.00	0.00	0.00	2.05	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.00	157.00	1.17	15.82	0.00	0.00	0.00	0.00	2.12	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.00	300.00	1.19	15.90	0.00	0.00	0.00	0.00	2.19	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	443.00	1.21	15.98	0.00	0.00	0.00	0.00	2.25	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.00	585.00	1.24	16.08	0.00	0.00	0.00	0.00	2.32	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126.00	728.00	1.27	16.18	0.00	0.00	0.00	0.00	2.38	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	871.00	1.30	16.29	0.00	0.00	0.00	0.00	2.45	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.00	1014.00	1.34	16.40	0.00	0.00	0.00	0.00	2.51	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166.00	1157.00	1.38	16.51	0.00	0.00	0.00	0.00	2.56	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	1300.00	1.43	16.61	0.00	0.00	0.00	0.00	2.62	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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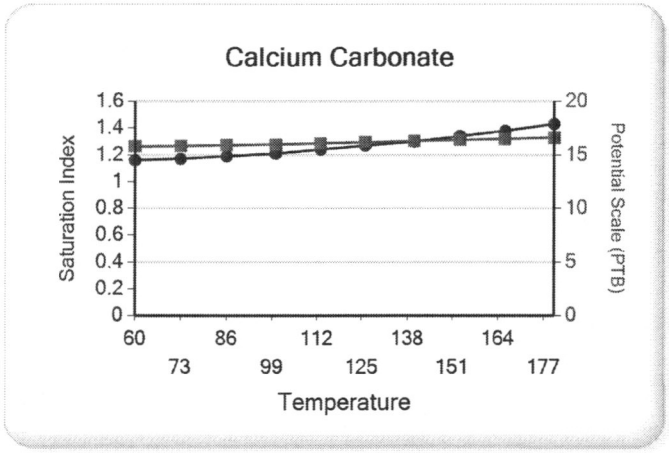
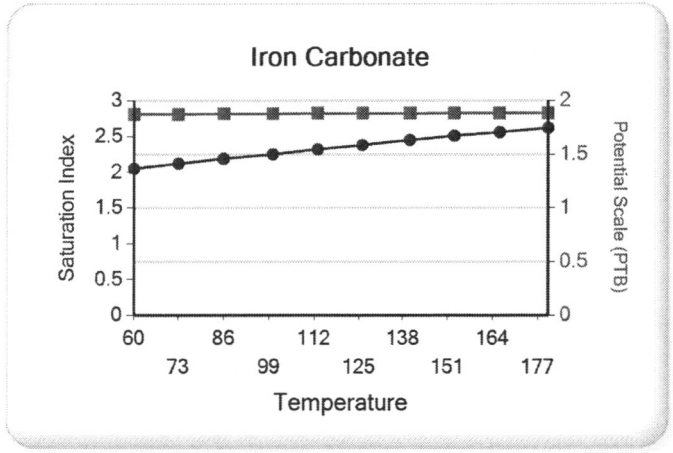
Water Analysis Report

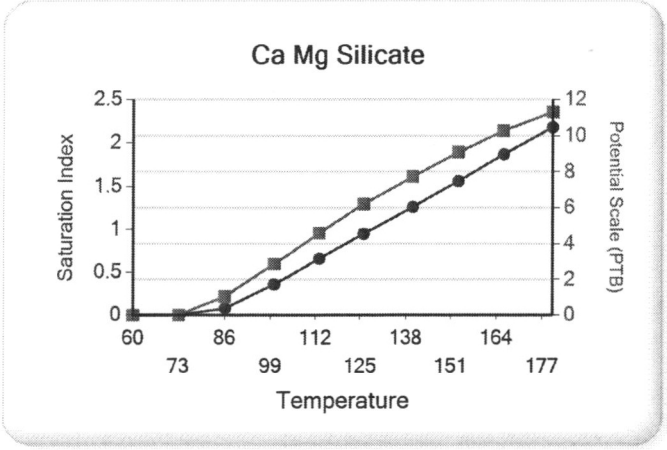
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.11	0.00	0.00	0.00	0.00	0.00	0.00	7.39	2.02
73.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.16	0.00	0.00	0.15	1.11	0.00	0.00	7.60	2.02
86.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.19	0.00	0.00	0.67	3.66	0.08	1.06	7.87	2.02
100.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.21	0.00	0.00	1.21	5.96	0.36	2.86	8.17	2.02
113.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.22	0.00	0.00	1.76	7.98	0.66	4.59	8.48	2.02
126.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.22	0.00	0.00	2.31	9.70	0.95	6.22	8.82	2.02
140.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.23	0.00	0.00	2.86	11.12	1.26	7.72	9.16	2.02
153.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.23	0.00	0.00	3.41	12.24	1.56	9.08	9.52	2.02
166.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.23	0.00	0.00	3.96	13.09	1.87	10.28	9.88	2.02
180.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	0.24	0.00	0.00	4.50	13.71	2.18	11.31	10.25	2.02

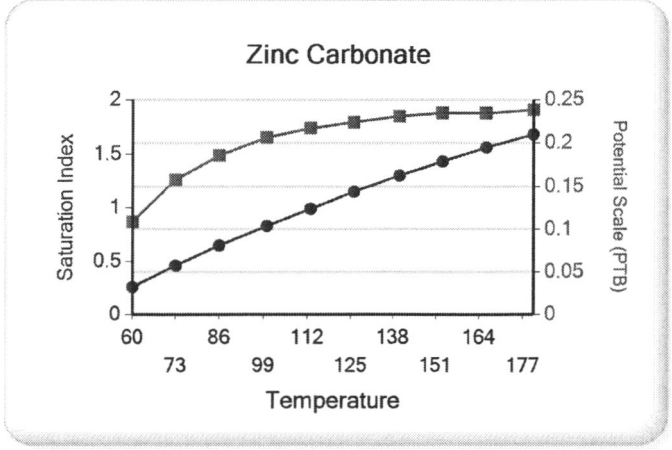
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Fe Silicate

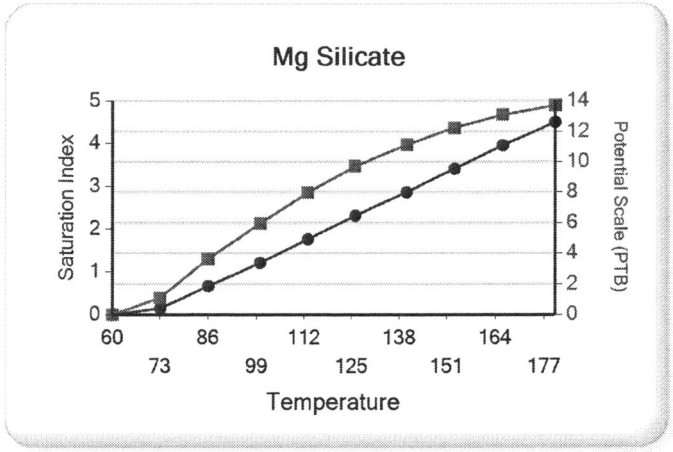
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

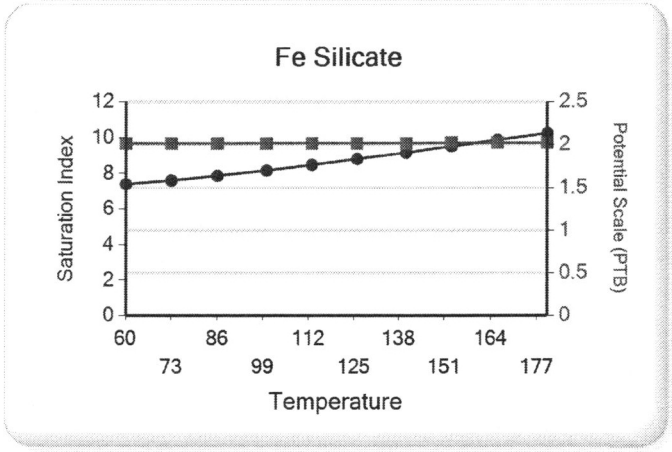









Mg Silicate
Saturation Index
Potential Scale (PTB)
Temperature
0
1
2
3
4
5
0
2
4
6
8
10
12
14
60
73
86
99
112
125
138
151
164
177


Fe Silicate
Saturation Index
Potential Scale (PTB)
Temperature
0
2
4
6
8
10
12
0
0.5
1
1.5
2
2.5
60
73
86
99
112
125
138
151
164
177

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

JAN 21 1998

Ref: 8P2-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Kathy Turner
Geology/Petroleum Engineering Technician
Petroglyph Operating Company, Inc.
P. O. Box 1839
Hutchinson, KS 67504-1839

RE: UNDERGROUND INJECTION CONTROL (UIC)
Authorization to Inject
Ute Tribal #04-02 (UT04356)
Antelope Creek Waterflood
EPA Area Permit No. UT2736-00000
Duchesne County, Utah

Dear Ms. Turner:

Thank you for the recently submitted information pertaining to the above-referenced area permit and well. The Well Rework Record, injection zone fluid pore pressure survey, fracture treatment reports and the successfully run mechanical integrity test, with chart, on the Ute Tribal #04-02 (UT2736-04356) have been reviewed and approved. Petroglyph Operating Company, Inc, has complied with all of the pertinent permit conditions (Part II, Section C. 2.) for the Antelope Creek Waterflood Area Permit.

Pleased be advised that administrative approval has been granted for injection of Class II fluids into the above referenced well for enhanced recovery of oil and gas. Please also be aware of the monitoring, recordkeeping and reporting requirements described in Part II, Section D of the permit and that the current **maximum surface injection pressure (Pmax) is limited to 2344 psig**.

Upon receipt of this letter, the Compliance Officer, Mr. John Carson will then take over routine matters involving well operations, future correspondence, forms, and reports. Please direct all correspondence to the attention of Mr. Carson at the above letterhead **(MAIL CODE ENF-T)** or contact Mr. Carson at (303) 312-6203. Thank you for your continued cooperation.

Sincerely,

Douglas K. Minter for DEH

D. Edwin Hogle
Director, Groundwater Program
Office of Pollution Prevention
State and Tribal Assistance

Printed on Recycled Paper

Scan under
UT 20736 - 04356
Authorization to
Inject - Final

1/22/98 CW 3198C
P 164 014 425

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to Ms. Kathy Turner	
Street & Number Geology/Petroleum Engineering Technician	
Post Office, State, & ZIP Code Petroglyph Operating Company, Inc. P.O. Box 1839 Hutchinson, KS 67504-1839	
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

1/22/98 CW 3198C

SENDER:
- Complete items 1 and/or 2 for additional services. (#04-02)
- 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.

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:
Ms. Kathy Turner
Geology/Petroleum Engineering
Technician
Petroglyph Operating Company, Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

4a. Article Number
P 164 014 425

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

7. Date of Delivery
JAN 27 1998

5. Received By: *(Print Name)*
Kristine L Brown

6. Signature: *(Addressee or Agent)*
X Kristine L Brown

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

recd LG
JAN 30 1998

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

PS Form 3811, December 1994 Domestic Return Receipt

cc: Mr. Ronald Wopsock, Chairman
#17 Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie, Environmental Director
#20 Ute Indian Tribe

Mr. Norman Cambridge
#11 BIA - Uintah & Ouray Agency

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

#12 Mr. Jerry Kenczka
BLM - Vernal District Office

CONCURRENCE COPY

Ref: 8P2-W-GW

JAN 21 1998

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Sincerely,

8P2-W-GW
WJMonkiewicz
1/20/98

CEW
8P2-W-GW
1/15/98

1/20/98 LG
mailed
1/22/98 LG

D. Edwin Hogle
Director, Groundwater Program
Office of Pollution Prevention
State and Tribal Assistance

cc: Mr. Ronald Wopsock, 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

FCD: October 6, 1997, Chuck W., F:\DATA\WP\PETROGLF\AUT-IN04.02