

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form U3C
June 2015
Form must be Typed
Form must be completed
on a per well basis

**ANNUAL REPORT OF PRESSURE MONITORING,
FLUID INJECTION AND ENHANCED RECOVERY**

Complete all blanks - add pages if needed. Copy to be retained for five (5) years after filing date.

OPERATOR: License # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____
Lease Name: _____
Well Number: _____

API No.: _____
Permit No.: _____
Reporting Year: _____
(January 1 to December 31)
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ E W
(a/a/a/a)
_____ feet from N / S Line of Section
_____ feet from E / W Line of Section
County: _____

I. Injection Fluid:

Type (Pick one): Fresh Water Treated Brine Untreated Brine Water/Brine
Source: Produced Water Other (Attach list)
Quality: Total Dissolved Solids: _____ mg/l Specific Gravity: _____ Additives: _____
(Attach water analysis, if available)

II. Well Data:

Maximum Authorized Injection Pressure: _____ psi Injection Zone: _____
Maximum Authorized Injection Rate: _____ barrels per day
Total Number of Enhanced Recovery Injection Wells Covered by this Permit: _____ (Include TA's)

III.	Month:	Total Fluid Injected BBL	Maximum Fluid Pressure	Total Gas Injected MCF	Maximum Gas Pressure	# Days of Injection
	January	_____	_____	_____	_____	_____
	February	_____	_____	_____	_____	_____
	March	_____	_____	_____	_____	_____
	April	_____	_____	_____	_____	_____
	May	_____	_____	_____	_____	_____
	June	_____	_____	_____	_____	_____
	July	_____	_____	_____	_____	_____
	August	_____	_____	_____	_____	_____
	September	_____	_____	_____	_____	_____
	October	_____	_____	_____	_____	_____
	November	_____	_____	_____	_____	_____
	December	_____	_____	_____	_____	_____
	TOTAL	_____	_____	_____	_____	_____



Central Area Laboratory
12701 N. Santa Fe Ave, Suite 151
Oklahoma City, Oklahoma 73114

REPORT DATE: 12/9/2021

COMPLETE WATER ANALYSIS REPORT SSP v.2010

CUSTOMER:	BELPORT OIL, INC.	ACCOUNT REP:	KENTON MEYER
DISTRICT:	KANSAS	SAMPLE ID:	202110007136
AREA/LEASE:	OSCAR WEST	SAMPLE DATE:	10/26/2021
SAMPLE POINT NAME:	OSCAR WEST 503	ANALYSIS DATE:	12/8/2021
SITE TYPE:	WELL SITES	ANALYST:	BS
SAMPLE POINT DESCRIPTION:	NOT PROVIDED		

BELPORT OIL, INC., OSCAR WEST, OSCAR WEST 503

FIELD DATA		ANALYSIS OF SAMPLE					
		ANIONS:		CATIONS:			
		mg/L	meq/L	mg/L	meq/L		
Initial Temperature (°F):	250	Chloride (Cl ⁻):	57063.0	1609.7	Sodium (Na ⁺):	34527.3	1502.5
Final Temperature (°F):	87	Sulfate (SO ₄ ²⁻):	687.0	14.3	Potassium (K ⁺):	121.6	3.1
Initial Pressure (psi):	100	Borate (H ₃ BO ₃):	32.9	0.5	Magnesium (Mg ²⁺):	1280.4	105.4
Final Pressure (psi):	15	Fluoride (F ⁻):	ND		Calcium (Ca ²⁺):	2713.3	135.4
		Bromide (Br ⁻):	ND		Strontium (Sr ²⁺):	349.0	8.0
pH:		Nitrite (NO ₂ ⁻):	ND		Barium (Ba ²⁺):	3.1	0.0
pH at time of sampling:	6.5	Nitrate (NO ₃ ⁻):	ND		Iron (Fe ²⁺):	0.0	0.0
SI Residual:	mg/L	Phosphate (PO ₄ ³⁻):	0.5	0.0	Manganese (Mn ²⁺):	0.1	0.0
Compound:	Total PO4	Silica (SiO ₂):	ND		Lead (Pb ²⁺):	ND	
Residual (ppm):	0.5				Zinc (Zn ²⁺):	ND	
ALKALINITY BY TITRATION:	mg/L meq/L						
Bicarbonate (HCO ₃ ⁻):	518.5 8.5				Aluminum (Al ³⁺):	ND	
Carbonate (CO ₃ ²⁻):	ND				Chromium (Cr ³⁺):	ND	
Hydroxide (OH ⁻):	ND				Cobalt (Co ²⁺):	ND	
		ORGANIC ACIDS:	mg/L meq/L		Copper (Cu ²⁺):	ND	
aqueous CO ₂ (ppm):	154.0	Formic Acid:	ND		Molybdenum (Mo ²⁺):	ND	
aqueous H ₂ S (ppm):	140.0	Acetic Acid:	ND		Nickel (Ni ²⁺):	ND	
aqueous O ₂ (ppb):	ND	Propionic Acid:	ND		Tin (Sn ²⁺):	ND	
		Butyric Acid:	ND		Titanium (Ti ²⁺):	ND	
Calculated TDS (mg/L):	97263	Valeric Acid:	ND		Vanadium (V ²⁺):	ND	
Density/Specific Gravity (g/cm ³):	1.0636				Zirconium (Zr ²⁺):	ND	
Measured Specific Gravity:	ND				Lithium (Li):	ND	
Conductivity (mmhos):	ND						
Resistivity:	ND				Total Hardness:	12458	N/A
MCF/D:	No Data						
BOPD:	No Data						
BWPD:	No Data	Anion/Cation Ratio:	0.93		ND = Not Determined		

SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FUTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS.

Conditions		Barite (BaSO ₄)		Calcite (CaCO ₃)		Gypsum (CaSO ₄ ·2H ₂ O)		Anhydrite (CaSO ₄)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
87°F	15 psi	0.87	1.593	0.59	67.076	-0.72	0.000	-0.89	0.000
105°F	24 psi	0.74	1.509	0.59	66.956	-0.71	0.000	-0.80	0.000
123°F	34 psi	0.63	1.411	0.62	68.773	-0.70	0.000	-0.71	0.000
141°F	43 psi	0.54	1.303	0.66	71.206	-0.69	0.000	-0.61	0.000
159°F	53 psi	0.45	1.187	0.70	73.930	-0.68	0.000	-0.51	0.000
177°F	62 psi	0.38	1.068	0.75	76.871	-0.67	0.000	-0.41	0.000
196°F	72 psi	0.32	0.949	0.81	80.019	-0.65	0.000	-0.30	0.000
214°F	81 psi	0.26	0.833	0.87	83.714	-0.64	0.000	-0.19	0.000
232°F	91 psi	0.22	0.722	0.95	87.590	-0.63	0.000	-0.07	0.000
250°F	100 psi	0.18	0.616	1.03	91.579	-0.61	0.000	0.04	27.784

Conditions		Celestite (SrSO ₄)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO ₃)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
87°F	15 psi	0.09	33.773	-1.53	0.000	0	0.000		0.000
105°F	24 psi	0.10	35.805	-1.54	0.000	0	0.000		0.000
123°F	34 psi	0.11	38.433	-1.55	0.000	0	0.000		0.000
141°F	43 psi	0.12	42.084	-1.56	0.000	0	0.000		0.000
159°F	53 psi	0.13	47.001	-1.56	0.000	0	0.000		0.000
177°F	62 psi	0.15	53.266	-1.56	0.000	0	0.000		0.000
196°F	72 psi	0.18	60.821	-1.56	0.000	0	0.000		0.000
214°F	81 psi	0.21	69.493	-1.56	0.000	0	0.000		0.000
232°F	91 psi	0.24	79.028	-1.56	0.000	0	0.000		0.000
250°F	100 psi	0.28	89.121	-1.56	0.000	0	0.000		0.000

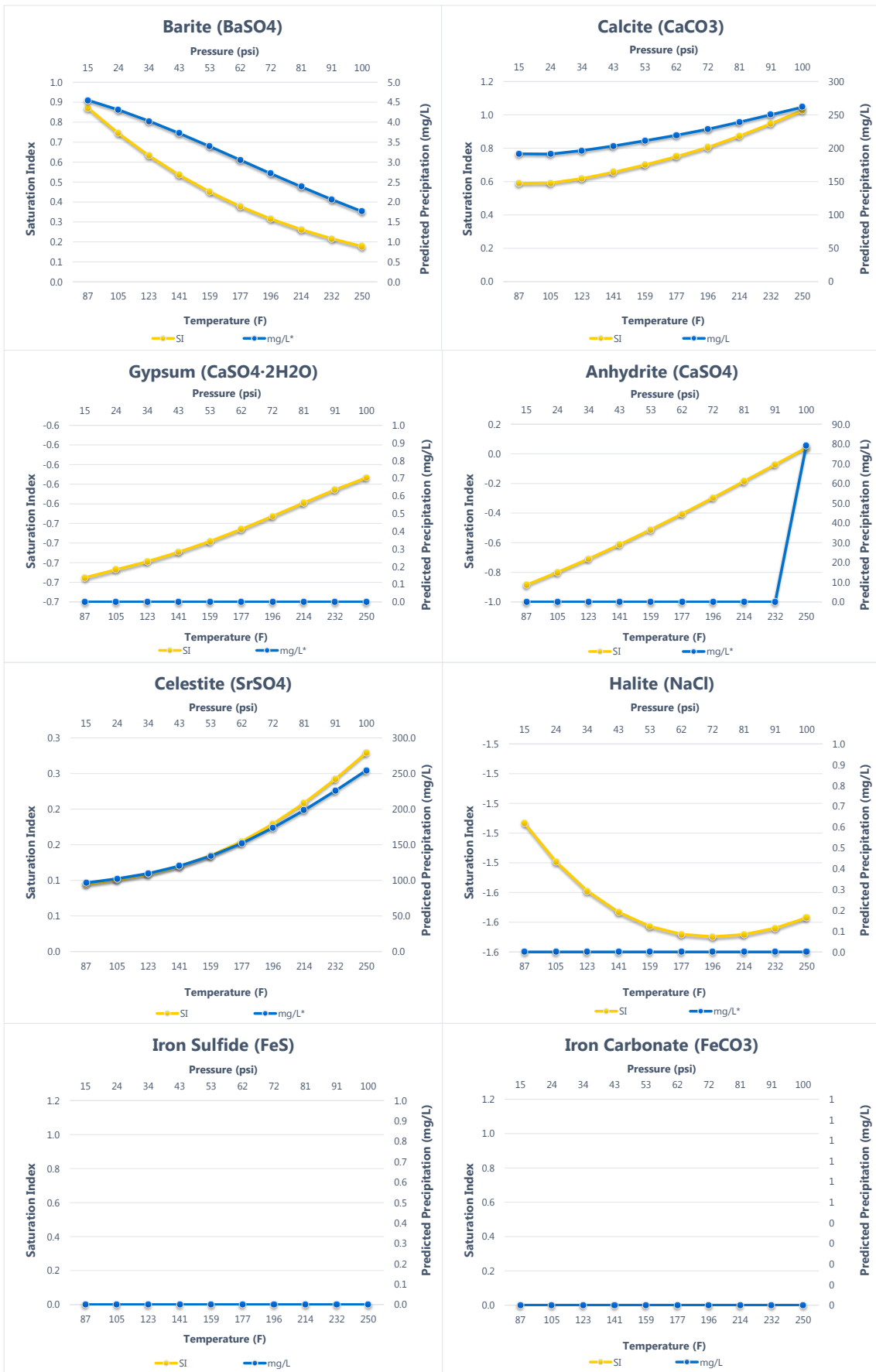
Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales.

Note 3: Saturation Index predictions on this sheet use pH and alkalinity; %CO₂ is not included in the calculations.



Comments:



SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FUTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS.