

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	_____	_____	_____	_____	_____

Submitted Electronically



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

REPORT DATE: 12/27/2023

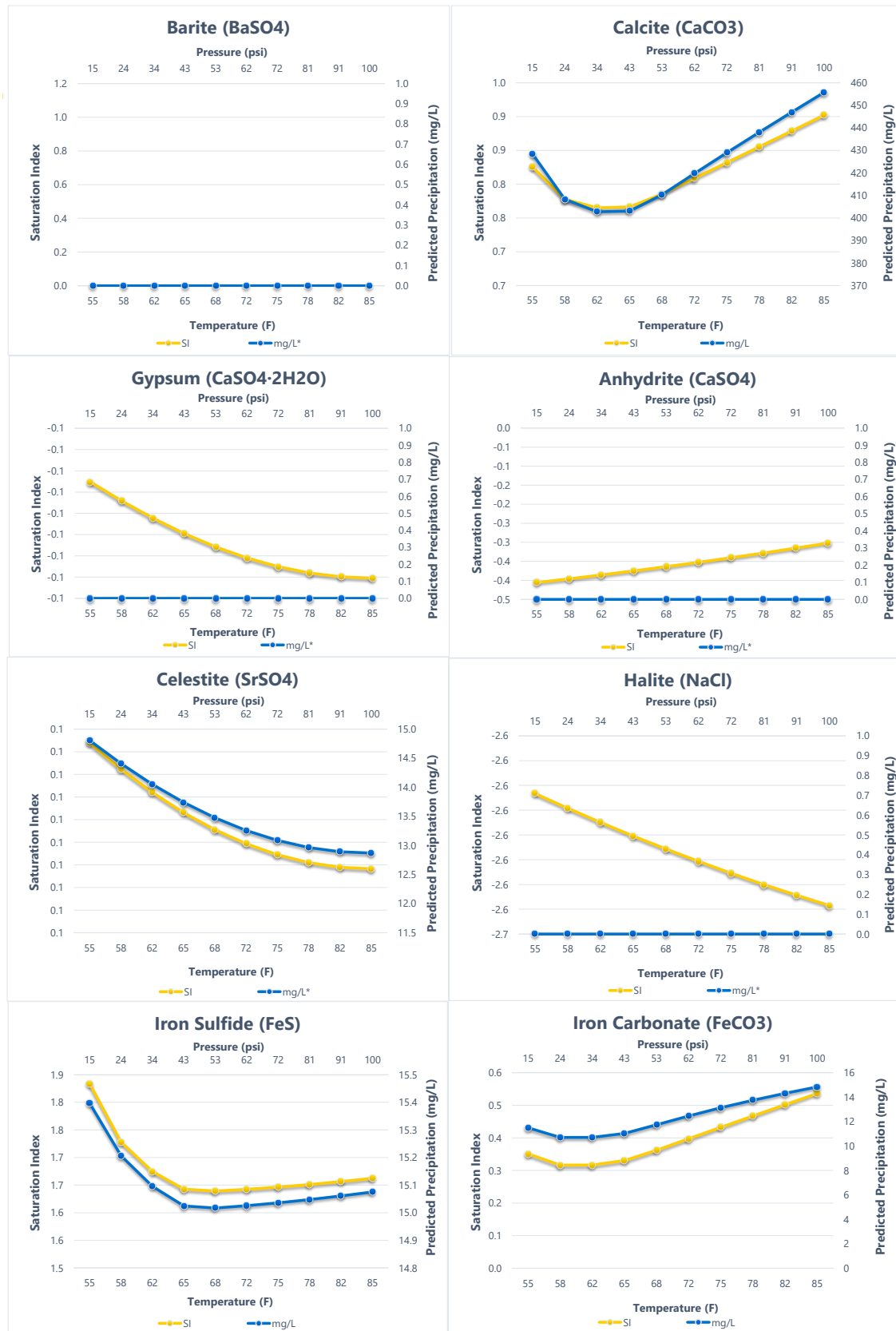
COMPLETE WATER ANALYSIS REPORT SSP v.2010

CUSTOMER: US OIL
DISTRICT: KANSAS
AREA/LEASE: POWERS
SAMPLE POINT NAME: POWERS 1-2 SWD
SITE TYPE: WELL SITES
SAMPLE POINT DESCRIPTION: WELL HEAD
CUSTOMER SAMPLE POINT ID:

ACCOUNT REP: BRETT J SUTER
SAMPLE ID: 202310008100
SAMPLE DATE: 12/4/2023
ANALYSIS DATE: 12/21/2023
ANALYST: BS

US OIL, POWERS, POWERS 1-2 SWD

FIELD DATA			ANALYSIS OF SAMPLE								
			ANIONS:		mg/L	meq/L	CATIONS:		mg/L	meq/L	
Initial Temperature (°F):	85		Chloride (Cl ⁻):		17000.0	479.5	Sodium (Na ⁺):		9405.2	409.3	
Final Temperature (°F):	55		Sulfate (SO ₄ ²⁻):		2171.0	45.2	Potassium (K ⁺):		206.9	5.3	
Initial Pressure (psi):	100		Borate (H ₃ BO ₃):		93.0	1.5	Magnesium (Mg ²⁺):		378.4	31.1	
Final Pressure (psi):	15		Fluoride (F ⁻):		ND		Calcium (Ca ²⁺):		1417.7	70.7	
pH:			Bromide (Br ⁻):		ND		Strontium (Sr ²⁺):		43.4	1.0	
			Nitrite (NO ₂ ⁻):		ND		Barium (Ba ²⁺):		0.0	0.0	
pH at time of sampling:	6.9		Nitrate (NO ₃ ⁻):		ND		Iron (Fe ²⁺):		10.3	0.4	
			Phosphate (PO ₄ ³⁻):		0.0	0.0	Manganese (Mn ²⁺):		0.1	0.0	
			Silica (SiO ₂):		ND		Lead (Pb ²⁺):		ND		
ALKALINITY BY TITRATION:			mg/L	meq/L	Zinc (Zn ²⁺):					0.0	0.0
Bicarbonate (HCO ₃ ⁻):	1020.0	16.7					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):	40.0		Formic Acid:		ND		Molybdenum (Mo ²⁺):		ND		
aqueous H ₂ S (ppm):	5.0		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):	31653		Valeric Acid:		ND		Vanadium (V ²⁺):		ND		
Density/Specific Gravity (g/cm ³):	1.0195						Zirconium (Zr ²⁺):		ND		
Measured Specific Gravity	ND						Lithium (Li):		ND		
Conductivity (mmhos):	ND										
Resistivity:	ND										
MCF/D:	No Data										
BOPD:	No Data										
BWPD:	No Data		Anion/Cation Ratio:			1.05	ND = Not Determined				



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