

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	_____	_____	_____	_____	_____
	<b>TOTAL</b>	_____	_____	_____	_____	_____

**COMPLETE WATER ANALYSIS REPORT** SSP v.2010

<b>CUSTOMER:</b>	SHAKESPEARE OIL	<b>ACCOUNT REP:</b>	TREVOR PFANNENSTIEL
<b>DISTRICT:</b>	KANSAS	<b>SAMPLE ID:</b>	202610001359
<b>AREA/LEASE:</b>	GLASSMAN	<b>SAMPLE DATE:</b>	1/29/2026
<b>SAMPLE POINT NAME:</b>	GLASSMAN 4-35	<b>ANALYSIS DATE:</b>	2/19/2026
<b>SITE TYPE:</b>	WELL SITES	<b>ANALYST:</b>	BS/RH
<b>SAMPLE POINT DESCRIPTION:</b>	NOT PROVIDED		
<b>CUSTOMER SAMPLE POINT ID:</b>			

**SHAKESPEARE OIL, GLASSMAN, GLASSMAN 4-35**

FIELD DATA			ANALYSIS OF SAMPLE					
			ANIONS:			CATIONS:		
			mg/L	meq/L	mg/L	meq/L	mg/L	meq/L
Initial Temperature (°F):	150		Chloride (Cl <sup>-</sup> ):	60062.0	1694.3	Sodium (Na <sup>+</sup> ):	40677.0	1770.1
Final Temperature (°F):	50		Sulfate (SO <sub>4</sub> <sup>2-</sup> ):	5046.0	105.1	Potassium (K <sup>+</sup> ):	481.2	12.3
Initial Pressure (psi):	100		Borate (H <sub>3</sub> BO <sub>3</sub> ):	181.5	2.9	Magnesium (Mg <sup>2+</sup> ):	480.4	39.5
Final Pressure (psi):	15		Fluoride (F <sup>-</sup> ):	ND		Calcium (Ca <sup>2+</sup> ):	1488.6	74.3
			Bromide (Br <sup>-</sup> ):	ND		Strontium (Sr <sup>2+</sup> ):	47.4	1.1
pH:			Nitrite (NO <sub>2</sub> <sup>-</sup> ):	ND		Barium (Ba <sup>2+</sup> ):	0.0	0.0
pH at time of sampling:	6.3		Nitrate (NO <sub>3</sub> <sup>-</sup> ):	ND		Iron (Fe <sup>2+</sup> ):	0.5	0.0
			Phosphate (PO <sub>4</sub> <sup>3-</sup> ):	1.0	0.0	Manganese (Mn <sup>2+</sup> ):	0.1	0.0
			Silica (SiO <sub>2</sub> ):	ND		Lead (Pb <sup>2+</sup> ):	ND	
						Zinc (Zn <sup>2+</sup> ):	0.1	0.0
ALKALINITY BY TITRATION:								
	mg/L	meq/L						
Bicarbonate (HCO <sub>3</sub> <sup>-</sup> ):	274.5	4.5						
Carbonate (CO <sub>3</sub> <sup>2-</sup> ):	ND							
Hydroxide (OH <sup>-</sup> ):	ND							
			ORGANIC ACIDS:					
			mg/L	meq/L				
aqueous CO <sub>2</sub> (ppm):	79.2		Formic Acid:	ND				
aqueous H <sub>2</sub> S (ppm):	25.0		Acetic Acid:	ND				
aqueous O <sub>2</sub> (ppb):	ND		Propionic Acid:	ND				
			Butyric Acid:	ND				
Calculated TDS (mg/L):	108558		Valeric Acid:	ND				
Density/Specific Gravity (g/cm <sup>3</sup> ):	1.0700							
Measured Specific Gravity	ND							
Conductivity (mmhos):	ND							
Resistivity:	ND							
MCF/D:	No Data							
BOPD:	No Data							
BWPD:	No Data							
			Anion/Cation Ratio:			0.95	ND = Not Determined	

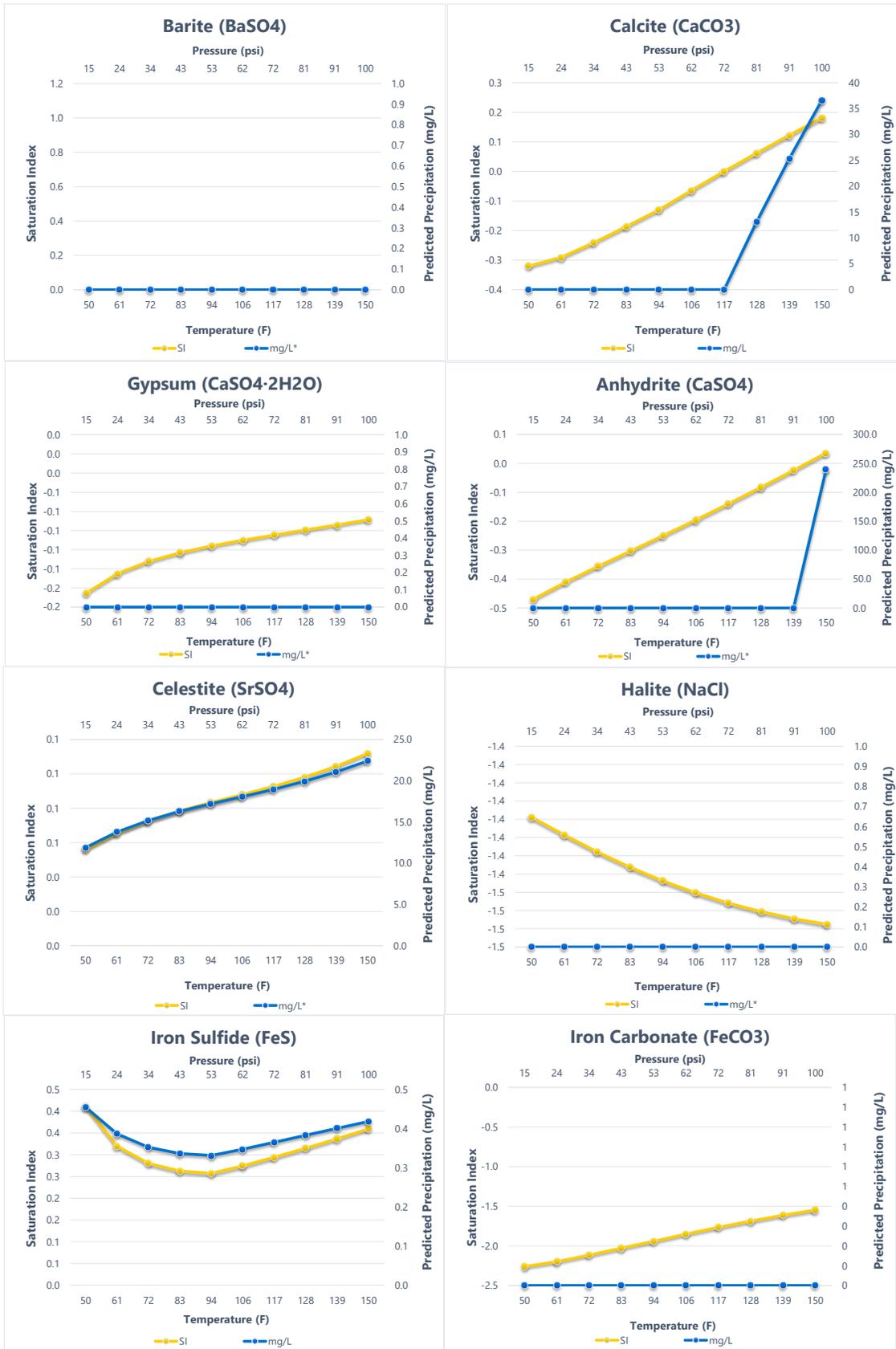
SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FUTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS.

Conditions		Barite (BaSO <sub>4</sub> )		Calcite (CaCO <sub>3</sub> )		Gypsum (CaSO <sub>4</sub> ·2H <sub>2</sub> O)		Anhydrite (CaSO <sub>4</sub> )	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
50°F	15 psi		0.000	-0.32	0.000	-0.17	0.000	-0.47	0.000
61°F	24 psi		0.000	-0.29	0.000	-0.15	0.000	-0.41	0.000
72°F	34 psi		0.000	-0.24	0.000	-0.13	0.000	-0.36	0.000
83°F	43 psi		0.000	-0.19	0.000	-0.12	0.000	-0.30	0.000
94°F	53 psi		0.000	-0.13	0.000	-0.12	0.000	-0.25	0.000
106°F	62 psi		0.000	-0.06	0.000	-0.11	0.000	-0.20	0.000
117°F	72 psi		0.000	0.00	0.000	-0.10	0.000	-0.14	0.000
128°F	81 psi		0.000	0.06	4.615	-0.10	0.000	-0.08	0.000
139°F	91 psi		0.000	0.12	8.870	-0.09	0.000	-0.02	0.000
150°F	100 psi		0.000	0.18	12.819	-0.09	0.000	0.04	83.605

Conditions		Celestite (SrSO <sub>4</sub> )		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate (FeCO <sub>3</sub> )	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
50°F	15 psi	0.06	4.165	-1.41	0.000	0.41	0.159	-2.26	0.000
61°F	24 psi	0.07	4.820	-1.42	0.000	0.32	0.135	-2.20	0.000
72°F	34 psi	0.07	5.314	-1.43	0.000	0.28	0.123	-2.12	0.000
83°F	43 psi	0.08	5.699	-1.44	0.000	0.26	0.118	-2.03	0.000
94°F	53 psi	0.08	6.023	-1.44	0.000	0.26	0.116	-1.94	0.000
106°F	62 psi	0.09	6.323	-1.45	0.000	0.27	0.122	-1.85	0.000
117°F	72 psi	0.09	6.632	-1.46	0.000	0.29	0.128	-1.77	0.000
128°F	81 psi	0.10	6.975	-1.46	0.000	0.32	0.134	-1.69	0.000
139°F	91 psi	0.10	7.373	-1.46	0.000	0.34	0.140	-1.61	0.000
150°F	100 psi	0.11	7.839	-1.47	0.000	0.36	0.147	-1.55	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; %CO<sub>2</sub> 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.