KOLAR Document ID: 1708402

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 # 33809
Name: Belport Oil, Inc.
Address 1: 1719 S BOSTON AVE
Address 2:
City: TULSA State: OK Zip: 74119 + 4809
Contact Person: George Davenport
Phone: (918) 637-5476
Lease Name: OSCAR WEST
Well Number: 405 W

API No.: 15-185-12883-00-01
Permit No: E06336.1
Reporting Year: 2022
(January 1 to December 31)

____ - NE - SW - NW Sec. 22 Twp. 22 S. R. 14 ☐ E ☑ W
(Q/Q/Q/Q)
3622 feet from ☐ N / ☑ S Line of Section
4317 feet from ☑ E / ☐ W Line of Section
County: Stafford

I. Injection Fluid:

Type *(Pick one)*: ☐ Fresh Water ☐ Treated Brine ☑ Untreated Brine ☐ Water/Brine
Source: ☑ Produced Water ☐ Other *(Attach list)*
Quality: Total Dissolved Solids: 82750 mg/l Specific Gravity: 1.053 Additives: 0
(Attach water analysis, if available)

II. Well Data:

Maximum Authorized Injection Pressure: 1000 psi Injection Zone: LANSING-KANSAS CITY
Maximum Authorized Injection Rate: 700 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	4000	590	0	0	31
February	3600	590	0	0	28
March	3500	590	0	0	31
April	2800	280	0	0	30
May	2200	630	0	0	31
June	2900	560	0	0	30
July	3100	600	0	0	31
August	2600	610	0	0	31
September	2800	610	0	0	30
October	2900	630	0	0	31
November	4000	680	0	0	30
December	2200	630	0	0	31
TOTAL	36600		0		

Submitted Electronically

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

Upstream Chemicals

REPORT DATE: 6/17/2021

COMPLETE WATER ANALYSIS REPORT SSP v.2010

CUSTOMER:	BELPORT OIL, INC.	**ACCOUNT REP:**	KENTON MEYER
DISTRICT:	KANSAS	**SAMPLE ID:**	202110003702
AREA/LEASE:	OSCAR WEST	**SAMPLE DATE:**	5/25/2021
SAMPLE POINT NAME	OSCAR WEST 503	**ANALYSIS DATE:**	6/17/2021
SITE TYPE:	WELL SITES	**ANALYST:**	BS
SAMPLE POINT DESCRIPTION:	NOT PROVIDED		

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

FIELD DATA

Initial Temperature (°F):	250
Final Temperature (°F):	73
Initial Pressure (psi):	100
Final Pressure (psi):	15
pH:	
pH at time of sampling:	7.0

ALKALINITY BY TITRATION:	**mg/L**	**meq/L**
Bicarbonate (HCO_3^-):	457.5	7.5
Carbonate (CO_3^{2-}):	ND	
Hydroxide (OH^-):	ND	

aqueous CO_2 (ppm):	110.0
aqueous H_2S (ppm):	65.0
aqueous O2 (ppb):	ND
Calculated TDS (mg/L):	82725
Density/Specific Gravity (g/cm^3):	1.0530
Measured Specific Gravity	ND
Conductivity (mmhos):	ND
Resistivity:	ND
MCF/D:	No Data
BOPD:	No Data
BWPD:	No Data

ANALYSIS OF SAMPLE

ANIONS:	**mg/L**	**meq/L**
Chloride (Cl^-):	50018.0	1410.9
Sulfate (SO_4^{2-}):	1143.0	23.8
Borate (H_3BO_3):	26.1	0.4
Fluoride (F^-):	ND	
Bromide (Br^-):	ND	
Nitrite (NO_2^-):	ND	
Nitrate (NO_3^-):	ND	
Phosphate (PO_4^{3-}):	1.2	0.0
Silica (SiO_2):	ND	

ORGANIC ACIDS:	**mg/L**	**meq/L**
Formic Acid:	ND	
Acetic Acid:	ND	
Propionic Acid:	ND	
Butyric Acid:	ND	
Valeric Acid:	ND	

Anion/Cation Ratio:	1.03

CATIONS:	**mg/L**	**meq/L**
Sodium (Na^+):	27476.1	1195.7
Potassium (K^+):	87.4	2.2
Magnesium (Mg^{2+}):	995.3	81.9
Calcium (Ca^{2+}):	2266.7	113.1
Strontium (Sr^{2+}):	279.1	6.4
Barium (Ba^{2+}):	0.7	0.0
Iron (Fe^{2+}):	1.3	0.0
Manganese (Mn^{2+}):	0.2	0.0
Lead (Pb^{2+}):	ND	
Zinc (Zn^{2+}):	ND	
Aluminum (Al^{3+}):	ND	
Chromium (Cr^{3+}):	ND	
Cobalt (Co^{2+}):	ND	
Copper (Cu^{2+}):	ND	
Molybdenum (Mo^{2+}):	ND	
Nickel (Ni^{2+}):	ND	
Tin (Sn^{2+}):	ND	
Titanium (Ti^{2+}):	ND	
Vanadium (V^{2+}):	ND	
Zirconium (Zr^{2+}):	ND	
Lithium (Li):	ND	

Total Hardness:	10086	N/A

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 ($CaSO_4 \cdot 2H_2O$)**		**Anhydrite ($CaSO_4$)**	
Temp	**Press.**	**Index**	**Amt (ptb)**	**Index**	**Amt (ptb)**	**Index**	**Amt (ptb)**	**Index**	**Amt (ptb)**
73°F	15 psi	0.63	0.307	0.95	74.440	-0.50	0.000	-0.73	0.000
93°F	24 psi	0.48	0.267	0.97	76.224	-0.49	0.000	-0.65	0.000
112°F	34 psi	0.34	0.219	1.03	79.036	-0.48	0.000	-0.55	0.000
132°F	43 psi	0.23	0.164	1.10	82.069	-0.47	0.000	-0.45	0.000
152°F	53 psi	0.13	0.106	1.17	85.115	-0.46	0.000	-0.34	0.000
171°F	62 psi	0.05	0.045	1.25	88.119	-0.45	0.000	-0.23	0.000
191°F	72 psi	-0.01	0.000	1.34	91.072	-0.43	0.000	-0.11	0.000
211°F	81 psi	-0.07	0.000	1.44	94.173	-0.41	0.000	0.02	18.850
230°F	91 psi	-0.12	0.000	1.54	97.247	-0.39	0.000	0.14	138.409
250°F	100 psi	-0.15	0.000	1.65	100.225	-0.37	0.000	0.27	235.035

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)**
73°F	15 psi	0.29	87.472	-1.69	0.000	2.32	0.723	-0.64	0.000
93°F	24 psi	0.30	88.137	-1.70	0.000	2.18	0.721	-0.55	0.000
112°F	34 psi	0.30	89.484	-1.72	0.000	2.09	0.720	-0.45	0.000
132°F	43 psi	0.31	91.844	-1.73	0.000	2.05	0.719	-0.35	0.000
152°F	53 psi	0.33	95.387	-1.73	0.000	2.02	0.719	-0.25	0.000
171°F	62 psi	0.35	100.126	-1.74	0.000	2.02	0.719	-0.16	0.000
191°F	72 psi	0.38	105.939	-1.74	0.000	2.03	0.719	-0.08	0.000
211°F	81 psi	0.42	112.602	-1.74	0.000	2.06	0.720	0.00	0.000
230°F	91 psi	0.46	119.829	-1.73	0.000	2.11	0.720	0.07	0.135
250°F	100 psi	0.50	127.306	-1.73	0.000	2.16	0.721	0.13	0.244

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

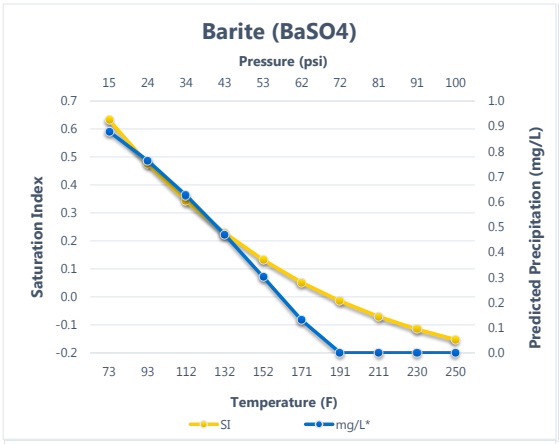
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales.

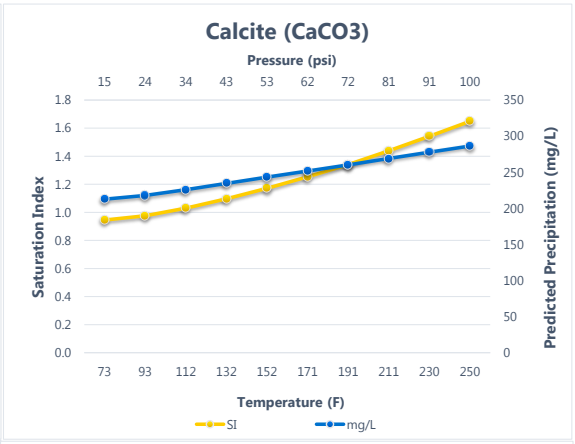
Note 3: Saturation Index predictions on this sheet use pH and alkalinity; $\%CO_2$ is not included in the calculations.

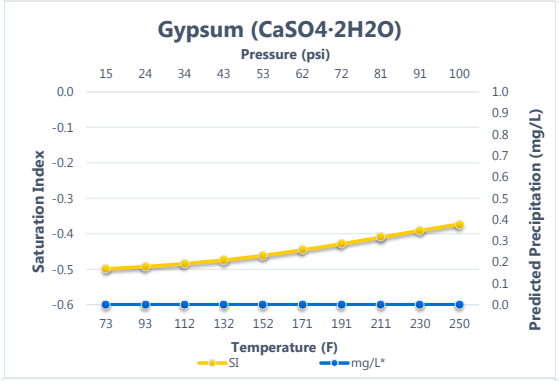
EESI
ScaleSoftPitzer™
SSP2010

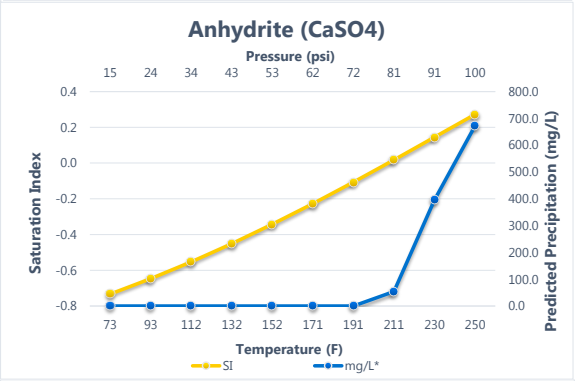
Comments:

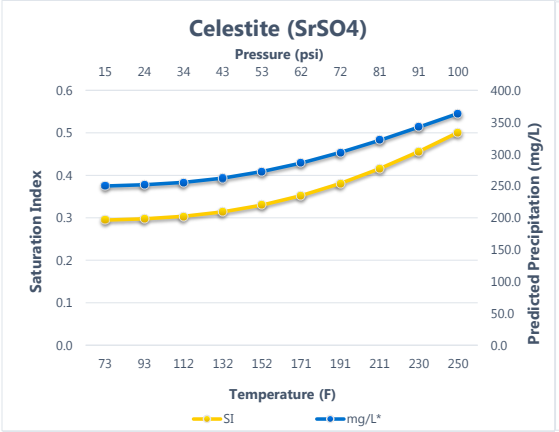
SAMPLE ID: 44341 BELPORT OIL, INC., OSCAR WEST, OSCAR WEST 503

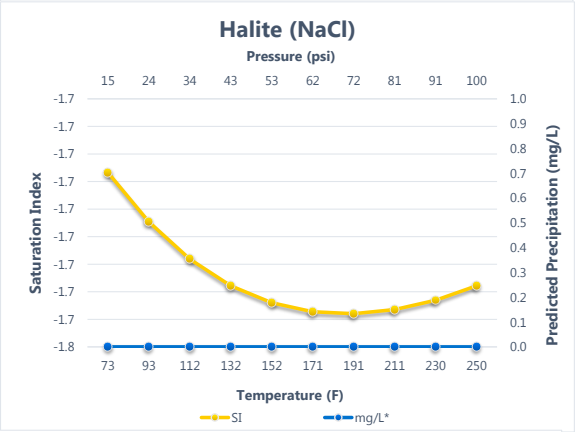


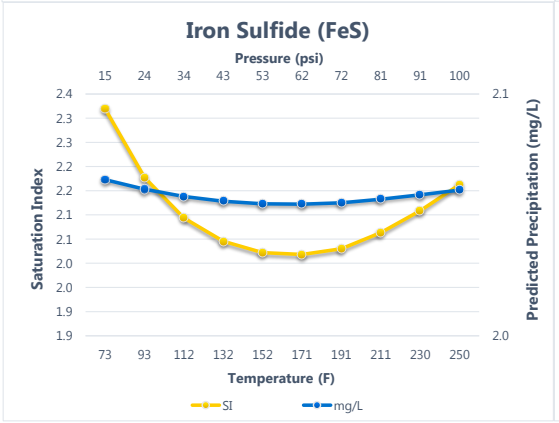


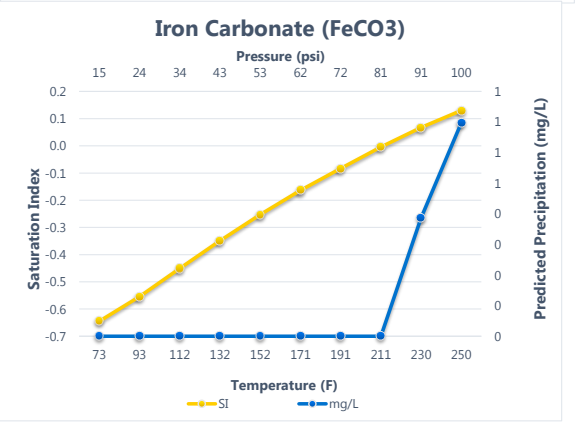












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