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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 # 5098
Name: Shelley, Randall D.
Address 1: 212 N. MARKET ST. SUITE 402
Address 2:
City: WICHITA State: KS Zip: 67202 + 2017
Contact Person: Randall Shelley
Phone: (316) 841-4747
Lease Name: TEPPE
Well Number: 2

API No.: 15-167-04418-00-01
Permit No: D04196.0
Reporting Year: 2020
(January 1 to December 31)

NW (Q/Q/Q/Q) - SE - NE - ____ Sec. 21 Twp. 14 S. R. 12 ☐ E ☑ W
3657 feet from ☐ N / ☑ S Line of Section
981 feet from ☑ E / ☐ W Line of Section
County: Russell

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: 50 psi Injection Zone: Arbuckle
Maximum Authorized Injection Rate: 2550 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	3534	0	0	0	31
February	3306	0	0	0	29
March	3534	0	0	0	31
April	3420	0	0	0	30
May	3534	0	0	0	31
June	3420	0	0	0	30
July	3534	0	0	0	31
August	3534	0	0	0	31
September	3420	0	0	0	30
October	3534	0	0	0	31
November	3420	0	0	0	30
December	3534	0	0	0	31
TOTAL	41724		0		

Submitted Electronically

BAKER PETROLITE
A Baker Hughes company

Water Analysis Report by Baker Petrolite

Shelley Oil
Teppe B
#2
Bleeder

Account Manager
G. Bray

Summary	
Sampling Date	12Jan00
Analysis Date	12Jan00
Analyst	Bray
TDS (mg/l or g/m³)	61255.5
Density (g/cm³ or tonne/m³)	1.040
Anion/Cation Ratio	1.00
Carbon Dioxide	
Oxygen	

Analysis of Sample 116429 @ 75°F					
Anions	**mg/l**	**meq/l**	**Cations**	**mg/l**	**meq/l**
Chloride	**34025**	**960**	**Sodium**	**20847**	**907**
Bicarbonate	**1001**	**16.4**	**Magnesium**	**413**	**34.0**
Carbonate	**820**	**27.3**	**Calcium**	**2040**	**102**
Sulfate	**2025**	**42.2**	**Strontium**	N/A	N/A
Phosphate	N/A	N/A	**Barium**	N/A	N/A
Borate	N/A	N/A	**Iron**	**85.0**	**3.04**
Silicate	N/A	N/A	Potassium	N/A	N/A
			Aluminum	N/A	N/A
		Positive	Chromium	N/A	N/A
			Copper	N/A	N/A
pH at time of sampling		6.80	Lead	N/A	N/A
pH at time of analysis		6.80	Manganese	N/A	N/A
pH used in Calculations		**6.80**	Nickel	N/A	N/A

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000bbl										CO_2
Temp.	Gauge Press.	Calcite $CaCO_3$		Gypsum $CaSO_4 \cdot 2H_2O$		Anhydrite $CaSO_4$		Celestite $SrSO_4$		Barite $BaSO_4$		Press.
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0.	1.05	251	-0.20		-0.24		N/A		N/A		2.48
100	0.	1.15	275	-0.24		-0.22		N/A		N/A		3.21
120	0.	1.26	299	-0.27		-0.16		N/A		N/A		4.04
140	0.	1.36	322	-0.29		-0.09		N/A		N/A		4.95

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 five scales.

Note 3: The reported CO_2 pressure is actually the calculated CO_2 fugacity. It is usually nearly the same as the CO_2 partial pressure.