

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/BrineSource: 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

Chemical Services Inc.

32 NE 40th Ave.
 P.O. Box 1113
 Great Bend, Kansas 67530

Office 620-792-6886

Fax 620-792-6882

WATER ANALYSIS REPORT

Sample No.: 6215

Submitted : 04/19/17

Company : Berenergy

Supplier : Chemical Services

Location :

Sampler : Andy Kirkpatrick

Field :

Sample Pt : Bleeder

Lease/Unit: Fischer A-1

Sampled :

BWPD :

BOPD :

MMCF/day:

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	44045.7	1915.3	Chloride	92000.0	2593.4
Calcium	7500.0	374.3	Bicarbonate	63.0	1.0
Magnesium	3718.0	305.8	Sulfate	50.0	1.0
Iron	2.0	0.1	Carbonate		
Barium	11.0	0.2	Hydroxide		
Strontium			Sulfide		
Manganese			Carbon dioxide	290.0	
			Oxygen		

pH 5.50

Specific Gravity 1.00267

Total Dissolved Solids :147389.71 mg/l

Resistivity, ohm-meters 0.00000 at

°F Calc 0.05292

SCALING INDICES

Temp, °F

Calcium
Carbonate
CaCO3

Calcium
Sulfate
CaSO4

Barium
Sulfate
BaSO4

50	-1.55	-30.16	0.47
75	-1.35	-30.62	0.33
100	-1.02	-30.87	0.20
125	-0.59	-30.91	0.06
150	-0.09	-30.73	-0.07
175	0.45	-30.34	-0.21
200	0.99	-29.73	-0.34

A positive scaling index indicates scaling potential.

Remarks:

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WATER ANALYSIS REPORT

Sample No.: 6216

Submitted : 04/19/17

Company : Berenergy
 Location :
 Field :
 Lease/Unit: Fischer A-4

Supplier : Chemical Services
 Sampler : Andy Kirkpatrick
 Sample Pt : Bleeder
 Sampled :

BWPD :		BOPD :		MMCF/day:	
Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	15995.6	695.5	Chloride	28000.0	789.3
Calcium	1760.0	87.8	Bicarbonate	542.0	8.9
Magnesium	608.0	50.0	Sulfate	1700.0	35.4
Iron	2.3	0.1	Carbonate		
Barium	13.0	0.2	Hydroxide		
Strontium			Sulfide	75.0	
Manganese			Carbon dioxide	282.0	
			Oxygen		

pH 8.00
 Specific Gravity 1.03510
 Total Dissolved Solids : 48620.80 mg/l
 Resistivity, ohm-meters 0.00000 at °F Calc 0.14878

SCALING INDICES	Calcium Carbonate CaCO3	Calcium Sulfate CaSO4	Barium Sulfate BaSO4
Temp, °F			
50	1.06	-23.45	2.50
75	1.23	-22.49	2.38
100	1.52	-21.34	2.26
125	1.90	-20.00	2.14
150	2.32	-18.46	2.02
175	2.77	-16.69	1.90
200	3.20	-14.69	1.78

A positive scaling index indicates scaling potential.

Remarks:

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WATER ANALYSIS REPORT

Sample No.: 6217

Submitted : 04/19/17

Company : Berenergy
 Location :
 Field :
 Lease/Unit: Fischer A-6

Supplier : Chemical Services
 Sampler : Andy Kirkpatrick
 Sample Pt : Bleeder
 Sampled :

BWPD :		BOPD :		MMCF/day:	
Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	17124.4	744.6	Chloride	31000.0	873.9
Calcium	2040.0	101.8	Bicarbonate	620.0	10.2
Magnesium	656.0	53.9	Sulfate	800.0	16.7
Iron	2.3	0.1	Carbonate		
Barium	20.0	0.3	Hydroxide		
Strontium			Sulfide	120.0	
Manganese			Carbon dioxide	396.0	
			Oxygen		
pH	8.00				
Specific Gravity	1.03752				
Total Dissolved Solids	: 52262.64 mg/l				
Resistivity, ohm-meters	0.00000 at		°F Calc	0.13825	

SCALING INDICES	Calcium Carbonate CaCO3	Calcium Sulfate CaSO4	Barium Sulfate BaSO4
Temp, °F			
50	1.16	-34.23	2.33
75	1.34	-33.40	2.21
100	1.63	-32.38	2.08
125	2.00	-31.18	1.96
150	2.43	-29.79	1.84
175	2.87	-28.19	1.72
200	3.31	-26.38	1.60

A positive scaling index indicates scaling potential.

Remarks:

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WATER ANALYSIS REPORT

Sample No.: 6218

Submitted : 04/19/17

Company : Berenergy
 Location :
 Field :
 Lease/Unit: Fischer A-7

Supplier : Chemical Services
 Sampler : Andy Kirkpatrick
 Sample Pt : Bleeder
 Sampled :

BWPD :		BOPD :		MMCF/day:	
Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	48484.0	2108.3	Chloride	98000.0	2762.5
Calcium	7320.0	365.3	Bicarbonate	54.0	0.9
Magnesium	3572.0	293.8	Sulfate	200.0	4.2
Iron	5.8	0.2	Carbonate		
Barium	18.0	0.3	Hydroxide		
Strontium			Sulfide		
Manganese			Carbon dioxide	299.0	
			Oxygen		
pH	6.00				
Specific Gravity	1.10782				
Total Dissolved Solids	:157653.77 mg/l				
Resistivity, ohm-meters	0.00000 at		°F Calc	0.04992	

SCALING INDICES	Calcium Carbonate CaCO3	Calcium Sulfate CaSO4	Barium Sulfate BaSO4
Temp, °F			
50	-1.07	-28.23	1.26
75	-0.87	-28.81	1.12
100	-0.53	-29.15	0.99
125	-0.10	-29.27	0.85
150	0.41	-29.15	0.72
175	0.96	-28.81	0.58
200	1.52	-28.23	0.45

A positive scaling index indicates scaling potential.

Remarks:

Summary of Changes

Lease Name and Number: FISCHER A 2

Doc ID: 1397431

Correction Number: 1

Field Name	Previous Value	New Value
Date Accepted	02/28/2018	03/01/2018
Flagged	No	Yes
Quality TDS	62836	34754
Specific Gravity	1.045	1.023
Total Number of Injection Wells Covered By This Permit	1	0
Water Analysis Available	No	Yes

Summary of Attachments

Lease Name and Number: FISCHER A 2

API: 15-185-10504-00-01

Doc ID: 1397431

Correction Number: 1

Attachment Name

Fisher A #1 water sample

Fisher A #4 water sample

Fisher A #6 water sample

Fisher A #7 water sample