Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
AUG 22 2019
RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMLC061374A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891001066X

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
BELL LAKE UNIT SOUTH 263H

2. Name of Operator
KAISER FRANCIS OIL COMPANY
Contact: CHARLOTTE VAN VALKENBURG
E-Mail: Charlotv@kfoc.net

9. API Well No.
30-025-43034-00-S1

3a. Address
TULSA, OK 74121-1468

3b. Phone No. (include area code)
Ph: 918-491-4314

10. Field and Pool or Exploratory Area
ANTELOPE RIDGE-BONE SPRING, W
UNKNOWN

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 6 T24S R34E NESE 2200FSL 300FEL

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☒ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

This is to request approval to dispose of produced water from the above well.

1. Formation Bone Spring
2. Amount of water produced 550 BWPD
3. See attached water analysis
4. Storage method Multiple 1000 bbl coated steel tanks
5. Method of removal from lease pipelined
6. Operator and disposal facility
Oilfield Water Logistics
Madera SWD McCloy SWD
14-24S-34E 15-24S-32E
Lea Co., NM Lea Co., NM

ACCEPTED FOR RECORD
JUL 15 2019
BUREAU OF LAND MANAGEMENT
FIELD OFFICE

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #472875 verified by the BLM Well Information System
For KAISER FRANCIS OIL COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 07/11/2019 (19PP2502SE)

Name *(Printed/Typed)* CHARLOTTE VAN VALKENBURG — Title MGR., REGULATORY COMPLIANCE

Signature (Electronic Submission) — Date 07/11/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By — Title — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

DownHole SAT Water Analysis Report

ROCKWATER ENERGY SOLUTIONS

SYSTEM IDENTIFICATION

Kaiser Francis

South Bell Lake 263H
Heater
Account Manager: Steve Tigert

Analyst: Davida Lowery

Sample ID#: 12078
ID:

Sample Date: 10-20-2017 at 1234
Report Date: 11-16-2017

WATER CHEMISTRY

CATIONS		ANIONS	
Calcium(as Ca)	2902	Chloride(as Cl)	59000
Magnesium(as Mg)	330.80	Sulfate(as SO_4)	2646
Barium(as Ba)	0.800	Dissolved CO_2(as CO_2)	277.00
Strontium(as Sr)	204.30	Bicarbonate(as HCO_3)	524.00
Sodium(as Na)	35497	Carbonate(as CO_3)	0.00
Iron(as Fe)	15.60	H_2S (as H_2S)	0.00
Manganese(as Mn)	0.500		

PARAMETERS

Temperature(^{0}F)	100.00	Sample pH	7.10

SCALE AND CORROSION POTENTIAL

Temp.	Press.	Calcite		Anhydrite		Gypsum		Barite		Celestite		Siderite		Mackawenite		CO_2	pCO_2
(^{0}F)	(psig)	$CaCO_3$		$CaSO_4$		$CaSO_4*2H_2O$		$BaSO_4$		$SrSO_4$		$FeCO_3$		FeS		(mpy)	(atm)
70.00	0.00	6.63	0.298	0.743	-185.23	1.13	75.02	16.20	0.444	2.66	87.35	38.37	0.395	0.00	-0.0596	0.0226	0.00788
86.36	0.00	8.73	0.364	0.749	-174.97	1.05	28.16	10.81	0.430	2.59	85.63	56.72	0.468	0.00	-0.0624	0.0321	0.00788
102.73	0.00	10.85	0.419	0.798	-130.48	0.991	-5.84	7.66	0.412	2.60	85.62	78.54	0.527	0.00	-0.0656	0.0415	0.00788
119.09	0.00	12.84	0.460	0.892	-62.01	1.09	46.60	5.61	0.389	2.63	85.96	102.75	0.572	0.00	-0.0693	0.0369	0.00788
135.45	0.00	14.59	0.487	1.04	20.15	1.18	91.22	4.16	0.360	2.63	85.93	127.99	0.601	0.00	-0.0736	0.0292	0.00788
151.82	0.00	15.82	0.496	1.26	106.85	1.28	126.87	3.11	0.321	2.62	85.57	150.77	0.609	0.00	-0.0788	0.0277	0.00788
168.18	0.00	16.34	0.484	1.58	190.72	1.37	155.38	2.35	0.272	2.60	84.88	167.36	0.593	0.00	-0.0850	0.0288	0.00788
184.55	0.00	16.09	0.453	2.05	266.92	1.45	178.45	1.79	0.209	2.56	83.91	175.12	0.556	0.00	-0.0926	0.0192	0.00788
200.91	0.00	15.16	0.409	2.71	332.58	1.53	197.11	1.37	0.129	2.51	82.65	172.97	0.504	0.00	-0.102	0.0117	0.00788
217.27	1.62	13.50	0.362	3.62	388.83	1.57	208.09	1.04	0.0185	2.41	80.03	159.17	0.449	0.00	-0.117	0.0156	0.00875
233.64	7.56	11.85	0.309	4.99	434.01	1.62	219.99	0.807	-0.113	2.33	77.99	141.46	0.388	0.00	-0.133	0.0232	0.0119
250.00	15.16	10.14	0.259	7.01	469.87	1.67	229.37	0.629	-0.279	2.25	75.61	120.11	0.330	0.00	-0.152	0.0323	0.0160
		xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels		

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. $\{Ca\}\{CO_3\}/K_{sp}$. pCO_2 (atm) is the partial pressure of CO_2 in the gas phase.
Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.