



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

08/23/2022

Operator Name KAISER FRANCIS OIL COMPANY	Well Name RED HILLS	Well Number 103H	US Well Number 3002545385
SHL NESW Sec 31 25S 33E	County LEA	State NM	Lease Number(s) NMNM015321, NMNM15321, NMNM15321
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name RED HILLS	Well Pad Number 2	ID 10400032915

Section 1 - General

Well Completion Report Id: 60011**Submission Date:** N/A until DB**BLM Office:** Carlsbad Field Office**User:** Eric Hansen**Title:** Drilling Engineer**Federal/Indian:** FEDERAL**Lease Number:** NMNM015321**Lease Acres:** 838.8**Agreement in place?:** NO**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Keep this Well Completion Report confidential?:****APD Operator:** KAISER FRANCIS OIL COMPANY

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** upper bonespring**Field Name:** JENNINGS**Well Type:** OIL WELL**Spud Date:** 10-04-2019**Date Total Measured Depth Reached:** 10-19-2019**Drill & Abandon or Ready To Produce:** READY TO**Well Class:** HORIZONTAL

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
---	SANDSTONE		3418	0	0	NONE	
RUSTLER	SANDSTONE		2558	860	860	NONE	

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Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
SALADO	SALT		2218	1200	1200	NONE	
TOP SALT	SALT		1418	2000	2000	NONE	
BASE OF SALT	SALT		-1032	4450	4450	NONE	
LAMAR	LIMESTONE		-1332	4750	4750	NATURAL GAS, OIL	
BELL CANYON	SANDSTONE		-1452	4870	4870	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2442	5860	5860	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-5182	8600	8600	NATURAL GAS, OIL	
BONE SPRING	SANDSTONE, SHALE		-5382	8800	8800	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5647	9065	9087	NATURAL GAS, OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	X1	1	NMNM15321	NMNM15321	NEW		GLO	03-13-2021		BONE SPRING UPPER	10002	17257	Y	.42	1900	OPEN

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Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	355972	1965790	43 stages with 355972 bbls fluid and 19,657,901 # of sand

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	X1	1	44	0.83	GAS LIFT		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	X1	1	02/26/2021	24	511	1045	3254	2045	40/64			800

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Well Location

Survey Type: RECTANGULAR

Survey Number: 6208

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0863917	-103.614	3418	FEDERAL	NMNM15321				2400	FSL	1795	FWL	25S	33E	31	NESW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0869048	-103.6128852	-5759	FEDERAL	NMNM15321				2587	FSL	2179	FWL	25S	33E	31	NESW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0858392	-103.6127634	-5819	FEDERAL	NMNM15321				2199	FSL	2216	FWL	25S	33E	31	NESW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0659489	-103.6127878	-6332	FEDERAL	NMNM15321				238	FSL	2186	FWL	26S	33E	6	SESW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0655792	-103.6127846	-6332	FEDERAL	NMNM15321				103	FSL	2186	FWL	26S	33E	6	SESW

Casing, Liner and Tubing

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Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	935	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	4956	9.625	40	P-110		LT&C		
00	PRODUCTION	8.5	0	17382	5.5	20	HCP-110		OTHER	GBCD	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Halcm	390	1.75	0	Halcm	260	1.35		184.1
00	INTERMEDIATE		Econocem	785	2.54	0	Halcm	365	1.33		441.6
00	PRODUCTION		NeoCem	775	3.52	0	Versacem	2105	1.23		947

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		9330	9325	6	L-80		OTHER	Benoit EUI

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Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: KAISER FRANCIS OIL COMPANY**Signed By:** Eric Hansen**Title:** Drilling Engineer**Signed on:** 04/20/2021**Street Address:** 6733 S. Yale Ave.**City:** Tulsa**State:** OK**Zip:** 74121**Phone:** (918)491-4339**Email address:** EricH@kfoc.net**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Extension:****Email address:****Attachments**

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Red_Hills_103H_Final_Survey_Geo__NAD_83__20210420152539.pdf

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Red_Hills_103H_Final_PVA__NAD_83__20210420152549.pdf

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Red_Hills_103H_C_102_HSU_20210420152609.pdf

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My Well Completion Worklist

Operator In-flight Well Completion Processes

Operator Archived Well Completion Processes

Operator Archived Well Completion Processes

Quick Search

		Well Name	Well Number	US Well Number	Status	Created Date	Date Accepted	
			103			From: mm/dd/yyyy To: mm/dd/yyyy	From: mm/dd/yyyy To: mm/dd/yyyy	
	✓	FRANCIS OIL COMPANY	RED HILLS	103H	3002545385	ACCEPTED	2021-04-16 15:30	2022-08-05 22:25

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 140283

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 140283
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input type="checkbox"/>	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
<input type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals were added to the fluid used in the completion or recompletion of this well.

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CONDITIONS

Action 140283

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	Action Number: 140283
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/29/2025