



Operator Name KAISER FRANCIS OIL COMPANY	Well Name RED HILLS FEDERAL	Well Number 503H	US Well Number 3002546489
SHL NESW Lot K Sec 31 25S 33E	County LEA	State NM	Lease Number(s) NMNM015321, 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 10400041972

Section 1 - General

Well Completion Report Id: 60297

Submission Date: 04-23-2021

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 Wolfcamp

Field Name: WC 025 G-09

Well Type: OIL WELL

Spud Date: 11-23-2019

Date Total Measured Depth Reached: 12-13-2019

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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Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
SALADO	SANDSTONE		2218	1200	1200	NONE	
TOP SALT	SALT		1418	2000	2000	NONE	
BASE OF SALT	SALT		-1032	4450	4450	NONE	
LAMAR	ANHYDRITE, LIMESTONE, SANDSTONE		-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			-5382	8800	8800	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE, SHALE		-5592	9010	9010	NATURAL GAS, OIL	
BONE SPRING 1ST	LIMESTONE, SHALE		-6532	9950	9950	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE, SHALE		-7092	10510	10510	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE, SHALE		-7532	10950	10950	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE, SHALE		-8267	11685	11685	NATURAL GAS, OIL	
WOLFCAMP	SHALE		-8652	12070	12070	NATURAL GAS, OIL	

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Completion and Completed

Completion Data

Formation	Date First Produced	Date Completed	Completion Status	Describe Well Completion Type	Well Completion Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks	Status of Interval
	03-18-2021	10-04-2019	DRG	NEW		204116	1983975	10/20: Pressure test csg to 11,300#. TCP Stage 1: 19,980'-20,102' O/A w/5, 3 1/8" guns. BD perfs @ 9,012#. Established injection into perfs: 5 BPM @ 9,200# for 30 bbls. SD and isolate well. ISIP 8,431#, 5 min 5,775#, 10 min 5 320# 15 min 5 192# 12/20-1/21: Stage-Frac lateral 12,768'-20,102' O/A in	OPEN

Treatment Data

Case Number	Lease Number	Interval Treated?	Treatment Type	Total Proppant (lbs)	Treatment Remarks	Status of Interval
00	S1	1	FRAC	1983975	10/20: Pressure test csg to 11,300#. TCP Stage 1: 19,980'-20,102' O/A w/5, 3 1/8" guns. BD perfs @ 9,012#. Established injection into perfs: 5 BPM @ 9,200# for 30 bbls. SD and isolate well. ISIP 8,431#, 5 min 5,775#, 10 min 5 320# 15 min 5 192# 12/20-1/21: Stage-Frac lateral 12,768'-20,102' O/A in	OPEN
Wellbore Code	Wellbore Code					

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Treatment Data

Treatment Remarks	Total Proppant (lbs)	43 stages w/176,540 gal 15% HCl, 204,116 bbls SW and 286,709 bbls HVFR carrying 1,840,307# 100M and 17 999 449# 40/70 white
Disposition of Gas	SOLD	
Describe Production		
Production Method		
Totle Fluid (bbls)		
Treatment Type		
Interval Treated?		
Completion Code		
Wellbore Code		

Production Data

Gas Gravity	24-Hour Rate Water(BWPD)	24-Hour Rate Gas (MCF)
API Oil Gravity	358	1224
Hours Tested	24	
Test Date	03/23/2020 21	
Completion Code	S1	1
Wellbore Code	00	S1

Test Data

Casing Pressure (psi)	4250
Tubing Pressure Shut-In (psi)	
Choke Size	
Gas-Oil Ratio (SCF/Bbl)	3418
24-Hour Rate Water(BWPD)	2498
24-Hour Rate Gas (MCF)	
Oil (bbls)	
Hours Tested	
Test Date	
Completion Code	
Wellbore Code	

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Well Location

Survey Type: RECTANGULAR

Survey Number: 6210A

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	NS-Foot	EW-Indicator	Township	Range	Section
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0863917	-103.6143183	3418	N/A	N/A	FEDERAL	NMMN 15321			2400	FSL	1735

KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0867815	-103.6130402	-8430	11870	11848	FEDERAL	NMMN 15321			2542	FSL	2131
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PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0869406	-103.6129249	-8659	12100	12077	FEDERAL	NMMN 15321			2166	FSL	2243
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EXIT Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.065881	-103.612661	-9113	19852	12531	FEDERAL	NMMN 15321			213	FSL	2225
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BHL Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0655708	-103.6126572	-9113	19852	12531	FEDERAL	NMMN 15321			156	FSL	1817
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Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Bottom Setting Depth (MD)	Top Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Amount Pulled (ft)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE	14.75	0	924	10.75	40.5	J-55		BUTT		
00	INTERMEDIATE	9.875	0	11627	7.625	29.7	HCP-110		BUTT		
00	PRODUCTION	6.75	0	20200	5.5	20	P-110		OTHER	Eagle SF	

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 Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Halcem	335	1.75	0	Halcem	205	1.35	153.7
00	INTERMEDIATE	2150	Neocem	760	2.73	0	Halcem	100	1.34	1760.1
00	INTERMEDIATE		NeoCem	600	3.52	2150	Halcem	440	1.22	1760.1
00	PRODUCTION		Class H	720	1.53	0	Veracem	875	1.22	386.3

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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: 10/17/2022

Street Address: 6733 S. Yale Ave.

City: Tulsa

State: OK

Zip: 74121

Phone: (918)491-4339

Email address: EricH@kfoc.net

Field

Representative Name: Christina Opfer

Street Address: PO Box 21468

City: Tulsa

State: OK

Zip: 74121-1468

Phone: (918)491-4468

Extension:

Email address: ChristinaO@kfoc.net

Attachments

Operator Name KAISER FRANCIS OIL COMPANY	Well Name RED HILLS FEDERAL	Well Number 503H	US Well Number 3002546489
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Red_Hills_503H_5inTVD_20221017151331.pdf

Red_Hills_503H_5inMD_20221017151331.pdf

Red_Hills_503H_2inTVD_20221017151331.pdf

Red_Hills_503H_2inMD_20221017151331.pdf

Red_Hills_503H_Final_Svy_Report_NAD_83_20221017151351.pdf

Red_Hills_503H_C_102_As_Drilled_HSU_20221017151357.pdf

Red_Hills_503H_WBD_20221017151410.pdf

Well Name	Well Number	US Well Number	Status	Created Date	Date Accepted
				From: mm/dd/yyyy <input type="button" value="▼"/>	From: mm/dd/yyyy <input type="button" value="▼"/>
				To: mm/dd/yyyy <input type="button" value="▼"/>	To: mm/dd/yyyy <input type="button" value="▼"/>
RED HILLS FEDERAL	405H	3002547038	ACCEPTED	2021-04-22 23:09	2023-08-22 23:08
RED HILLS FEDERAL	501H	3002546422	ACCEPTED	2021-04-22 23:06	2023-08-22 22:56
RED HILLS FEDERAL	506H	3002547189	ACCEPTED	2021-04-22 23:18	2023-08-22 22:49
RED HILLS	102H	3002545384	ACCEPTED	2021-04-22 23:14	2023-08-22 22:41
RED HILLS FEDERAL	503H	3002546489	ACCEPTED	2021-04-22 23:15	2023-08-22 22:38
RED HILLS	402H	3002545387	ACCEPTED	2021-04-15 20:46	2023-08-19 15:21

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 257045

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 257045
	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.

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

CONDITIONS

Action 257045

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 257045
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	12/15/2025