



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

Well Completion Print

08/23/2023

Operator Name KAISER FRANCIS OIL COMPANY	Well Name RED HILLS	Well Number 102H	US Well Number 3002545384
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 10400032742

Section 1 - General

Well Completion Report Id: 60296**Submission Date:** 04-27-2021**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 Bone Spring**Field Name:** JENNINGS**Well Type:** OIL WELL**Spud Date:** 11-02-2019**Date Total Measured Depth Reached:** 11-20-2019**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		3419	0	0	NONE	
RUSTLER	SALT, SANDSTONE		2559	860	860	NONE	

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Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
SALADO	SALT, SANDSTONE		2219	1200	1200	NONE	
TOP SALT	SALT		1419	2000	2000	NONE	
BASE OF SALT	SALT		-1031	4450	4450	NONE	
LAMAR	LIMESTONE, SANDSTONE		-1331	4750	4750	NATURAL GAS, OIL	
BELL CANYON	SANDSTONE		-1451	4870	4870	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2441	5860	5860	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-5181	8600	8600	NATURAL GAS, OIL	
BONE SPRING	SANDSTONE, SHALE		-5381	8800	8800	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5591	9010	9010	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE, SHALE		-6531	9950	9950	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
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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	S1	1	NMNM15321	NMNM15321	NEW		POW	04-16-2018	03-19-2021	WOLFA MP	12832	20156	Y	.42	1935	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	203054	1035320	10/20: Pressure test csg to 11,300#. TCP Stage 1: 20,034'-20,156' O/A w/5, 3 1/8" guns. BD perfs @ 7,123#. Establish injection into perfs: 5 BPM @ 7,765# for 30 bbls. SD and isolate well. ISIP 7,514#, 5 min 5,357#, 10 min 5,300#, 15 min 5,267#. 12/20-1/21: Stage-Frac lateral 12,832'-20,156' O/A in 43 stages w/175,380 gal 15%

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Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
							HCl, 203,054 bbls SW and 292,379 bbls HVFR carrying 1,845,071# 100M and 19,190,248 # 40/70 white.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1	47	0.8	FLOWS FROM WELL		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	S1	1		24	519	1946	2651	3749	22/64			3900

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Well Location

Survey Type: RECTANGULAR

Survey Number: 6205

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Acres
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0863916	-103.6143828	3419	N/A	N/A	FEDERAL	NMNM15321				2400	FSL	1715	FWL	25S	33E	31	NE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0867742	-103.6161016	-5758	9206	9177	FEDERAL	NMNM15321				2359	FSL	1715	FWL	25S	33E	31	NW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.085993	-103.6159033	-6272	9850	9691	FEDERAL	NMNM15321				2255	FSL	1244	FWL	25S	33E	31	NE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.065363	-103.6154906	-6331	17079	9750	FEDERAL	NMNM15321				234	FSL	1348	FWL	26S	33E	6	Lo
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0656101	-103.61548	-6331	17079	9750	FEDERAL	NMNM15321				115	FSL	1351	FWL	26S	33E	6	Lo

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Casing, Liner and Tubing

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	926	10.75	40.5	J-55		BUTT		
00	INTERMEDIATE	9.625	0	11615	7.625	29.7	P-110		BUTT		
00	PRODUCTION	8.5	0	20256	5.5	20	HCP-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 Yield(cu.ft/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		Neocem	800	3.52	0	Halcem	440	1.23		597.9
00	PRODUCTION		Versacen	650	1.52	1820	Versacem	875	1.22		366.1

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
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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

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Red_Hills_602H_Final_Survey__NAD_83__20210427155449.pdf

5in_TVD_Red_Hills_602H_20221017144205.pdf

2in_TVD_Red_Hills_602H_20221017144206.pdf

5in_MD_Red_Hills_602H_20221017144206.pdf

Red_Hills_602H_WBD_20221017144227.pdf

Red_Hills_602H_C_102_As_Drilled_20221017144259.pdf

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 257040

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 257040
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☐	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.
☐	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 257040

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	Action Number: 257040
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CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/10/2025