



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

# Well Completion Print

11/08/2023

<b>Operator Name</b> KAISER FRANCIS OIL COMPANY	<b>Well Name</b> RED HILLS	<b>Well Number</b> 001H	<b>US Well Number</b> 3002545386
<b>SHL Lot 3 Sec 31 25S 33E</b>	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM15321
<b>Well Type</b> OIL WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> RED HILLS	<b>Well Pad Number</b> 1	<b>APD ID</b> 10400030026

## Section 1 - General

**Well Completion Report Id:** 59869**Submission Date:** 04-19-2021**BLM Office:** Carlsbad Field Office**User:** CHRISTINA OPFER**Title:** Regulatory Manager**Federal/Indian:** FEDERAL**Lease Number:** NMNM015321**Lease Acres:** 838.8**Agreement in place?:** NO**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Additional Information****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:** WC 025 G-06**Well Type:** OIL WELL**Spud Date:** 03-21-2019**Date Total Measured Depth Reached:** 03-29-2019**Drill & Abandon or Ready To Produce:** READY TO**Well Class:** HORIZONTAL

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### Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
---	SANDSTONE		3405	0	0	NONE	
RUSTLER	SANDSTONE		2551	854	856	NONE	
SALADO	SANDSTONE		2205	1200	1200	NONE	
TOP SALT	SALT		1405	2000	2000	NONE	
BASE OF SALT	HALITE		-1045	4450	4450	NONE	
LAMAR	LIMESTONE		-1165	4570	4750	NATURAL GAS, OIL	
BELL CANYON	LIMESTONE, SANDSTONE		-1465	4870	4870	NATURAL GAS, OIL	
CHERRY CANYON	LIMESTONE, SANDSTONE		-2455	5860	5860	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5584	8989	9053	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	S1	1	NMNM15321	NMNM15321	NEW		POW	11-12-2020	02-04-2021	BONE SPRINGS	938 03	16642	Y	.42	206 4	OPEN

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### 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	551476	1850024	Stage frac lateral 9,393' - 16,642' OA w/43 stages. Pumped 101,000 gal 15% HCl and 551,476 bbls slickwater (conventional and HVFR) carrying 4,279,631# 100mesh and 14,220,615 # 30/50.

### 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	44	0.83	GAS LIFT		SOLD	

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### 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	02/24/2021	24	1296	2536	4023	1956	46/64			975

### Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD27

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MID (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MID (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0859126	-103.618626	3405	N/A	N/A	FEDERAL	NMNM15321				2225	FSL	400	FWL	25S	33E	31	Lot 3
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0869167	-103.618693	-5208	8634	8613	FEDERAL	NMNM15321				2590	FSL	380	FWL	25S	33E	31	Lot 3
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0854108	-103.6187228	-5733	9250	9138	FEDERAL	NMNM15321				2042	FSL	369	FWL	25S	33E	31	Lot 3
EXIT Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0658665	-103.6186307	-5845	16543	9250	FEDERAL	NMNM15321				209	FSL	375	FWL	26S	33E	6	Lot 4

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Aliquot/Lot/Tract	Section	Range	Township	EW-Indicator	EW-Foot	NS-Indicator	NS-Foot	Plug Type	Plug MD (ft)	Plug TVD (ft)	Lease Number	Lease Type	TVD (ft)	MD (ft)	Elevation (MSL)	Longitude	Latitude	County	Meridian	State
Lot 4	6	33E	26S	FWL	376	FSL	103				NMNM15321	FEDERAL	9250	16543	-5845	103.6186269	32.0655762	LEA	NEW MEXICO PRINCIPAL	NEW MEXICO
BHL Wellbore 00																				

### Casing, Liner and Tubing

### Casing and Liner

Amount Pulled (ft)	Other Joint	Joint	Describe Other Casing Grade	Casing Grade	Wt(lbs/ft)	Casing Size	Bottom Setting Depth (MD)	Top Setting Depth (MD)	Hole Size	Casing String Type	Wellbore Code
		ST&C		J-55	54.5	13.375	901	0	17.5	SURFACE	00
		LT&C		HCP-110	47	9.625	4942	0	12.25	INTERMEDIATE	00
	GBCD	OTHER		P-110	20	5.5	16728	0	8.75	PRODUCTION	00

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### 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		Premium C	540	1.34	0					128.9
00	INTERMEDIATE		Premium C	760	2.54	0	Premium C	380	1.34	0	434.5
00	PRODUCTION		NEOCEM	750	3.55	1850	Versacem	1850	1.23		879.5

### 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		8738	8730	0	L-80			

### Logs

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

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### 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:** CHRISTINA OPFER

**Title:** Regulatory Manager

**Signed on:** 10/16/2023

**Street Address:** 6733 S YALE AVENUE

**City:** TULSA

**State:** OK

**Zip:** 74121

**Phone:** (918)491-4468

**Email address:** CHRISTINAO@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

Red\_Hills\_001H\_WB\_20210416151049.pdf

Red\_Hills\_001H\_5in\_MD\_20210416160005.pdf

Red\_Hills\_001H\_\_\_Final\_Surveys\_NAD83\_20221017145334.pdf

Red\_Hills\_001H\_2in\_MD\_20221017145425.pdf

C\_102\_As\_Drilled\_83\_RH\_001H\_20231016113248.pdf

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**Attachments**

Red\_Hills\_001H\_WB\_20210416151049.pdf

Red\_Hills\_001H\_5in\_MD\_20210416160005.pdf

Red\_Hills\_001H\_\_\_Final\_Surveys\_NAD83\_20221017145334.pdf

Red\_Hills\_001H\_2in\_MD\_20221017145425.pdf

C\_102\_As\_Drilled\_83\_RH\_001H\_20231016113248.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 285356

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 285356
	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 285356

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 285356
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/23/2025