



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> 401H	<b>US Well Number</b> 3002545572
<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> 10400030352

## Section 1 - General

**Well Completion Report Id:** 59969**Submission Date:** 04-22-2021**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 Wolfcamp**Field Name:** WC 025 G-06**Well Type:** OIL WELL**Spud Date:** 02-19-2019**Date Total Measured Depth Reached:** 05-08-2019**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
---	SALT, SANDSTONE		3305	0	0	NONE	
RUSTLER	ANHYDRITE		2445	860	860	NONE	
SALADO	ANHYDRITE, SANDSTONE		2105	1200	1200	NONE	
TOP SALT	SALT		1305	2000	2000	NONE	
BASE OF SALT	SALT		-1145	4450	4450	NONE	
LAMAR	LIMESTONE, SANDSTONE		-1445	4750	4750	NATURAL GAS, OIL	
BELL CANYON	SANDSTONE		-1565	4870	4899	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2554	5859	5902	NATURAL GAS, OIL	
BRUSHY CANYON	LIMESTONE, SANDSTONE		-5248	8553	8597	NATURAL GAS, OIL	
BONE SPRING			-5495	8800	8800	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5705	9010	9010	NATURAL GAS, OIL	
BONE SPRING 1ST	SHALE		-6610	9915	9959	NATURAL GAS, OIL	
BONE SPRING 2ND	SHALE		-7157	10462	10507	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE, SHALE		-7617	10922	10967	NATURAL GAS, OIL	
BONE SPRING 3RD	SHALE		-8376	11681	11732	NATURAL GAS, OIL	

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### Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
WOLFCAMP	SANDSTONE, SHALE		-8763	12068	12176	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	12-17-2020	02-01-2021	WOLFCAMP	12343	19672	Y	.42	1935	OPEN

#### Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	365000	1378781	Completion began (11/29/20)  Completion finished (12/17/20) 1.MIRU WL 2.TCP Stage 1: 19,550-19,672. Broke down perfs. 3.Stage

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### Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
							frac'd lateral 12,343-19,672 in 43 stages w/ 365,080 bbls fluid + 21,378,781 # sand 4.Drilled out plugs and cleaned out lateral to PBTD w/ Tri-Cone bit. Flowed back well.

### 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	45	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)

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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	02/23/2021	24	1074	2690	4338	2504	32/64			3725

### 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	32.0857478	-103.6186255	3305	N/A	N/A	FEDERAL	NMNM15321				2165	FSL	400	FWL	25S	33E	31	Lot 3
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0869832	-103.6182517	-8300	11652	11605	FEDERAL	NMNM15321				2615	FSL	517	FWL	25S	33E	31	Lot 3
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0860861	-103.618421	-8945	12654	12250	FEDERAL	NMNM15321				2288	FSL	464	FWL	25S	33E	31	Lot 3
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0660607	-103.6185764	-8895	18750	12200	FEDERAL	NMNM15321				279	FSL	392	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	379	FSL	114				NMNM15321	FEDERAL	12200	19604	-8895	103.6186189	32.065606	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
		BUTT		J-55	40.5	10.75	900	0	14.75	SURFACE	00
		BUTT		HCP-110	29.7	7.625	11545	0	9.875	INTERMEDIATE	00
	Eagle SSF	OTHER		P-110	20	5.5	19776	0	6.75	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		Halcem	420	1.77	0	Hal Cem	58	1.34		146.2
00	INTERMEDIATE		NeoCem	600	2.77	4552	Class H	200	1.22		1617.3
00	INTERMEDIATE	4842	Neocem	855	2.77	350	NeoCem	200	1.33		1617.3
00	PRODUCTION		Econocem	385	1.92	1212	Versacem	950	1.26		344.8

### 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\_401H\_ST1\_\_2in\_MD\_\_\_Copy\_20210422145028.pdf

Red\_Hills\_401H\_ST1\_\_5in\_MD\_\_\_Copy\_20210422145029.pdf

KAISER\_FRANCIS\_RED\_HILLS\_401H\_AHV\_CLR\_20210422145041.pdf

KAISER\_FRANCIS\_RED\_HILLS\_401H\_QUAD\_COMBO\_CLR\_20210422145047.pdf

KAISER\_FRANCIS\_RED\_HILLS\_401H\_AHV\_CLR\_20210422145058.pdf



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Red\_Hills\_401H\_\_\_Final\_Surveys\_20221017134427.pdf

Red\_Hills\_401H\_WBD\_20221017134435.pdf

Red\_Hills\_401H\_C\_102\_As\_Drilled\_w\_HSU\_20231016105859.pdf

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 285358

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Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 285358
	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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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 285358

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 285358
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

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