



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 402H	US Well Number 3002545387
SHL NESW 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 10400032899

Section 1 - General

Well Completion Report Id: 59970**Submission Date:** 04-22-2021**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:** 07-11-2019**Date Total Measured Depth Reached:** 08-03-2019**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	ANHYDRITE, SALT		2559	860	860	NONE	

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Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
SALADO	ANHYDRITE, 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, SHALE		-5591	9010	9010	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE, SHALE		-6531	9950	9950	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE, SHALE		-7091	10510	10510	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE, SANDSTONE		-7539	10958	11690	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE, SHALE		-8266	11685	11685	NATURAL GAS, OIL	
WOLFCAMP	SHALE		-8651	12070	12070	NATURAL GAS, OIL	

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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	12-09-2020	03-18-2021	WOLFCA MP	12436	19708	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	303522	2324214	<p>11/20-12/20: Stage-Frac lateral 12,436'-19,708' O/A in 43 stages with 99,800 gal 15% HCl, 303,522 bbls SW and 135,302 bbls HVFR carrying 1,828,916# 100M and 21,413,232 # 40/70 white.</p> <p>10/20: Pressure test casing to 11,400#. TCP Stage 1: 19,586'-19,708' O/A with 5 3</p>

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Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
							1/8" guns. BD perfs @ 7,600#. Establish injection into perfs: 5 BPM @ 7,300# for 30 bbls. SD and isolate well. ISIP 6,115#, 5 min 4,716#, 10 min 4,700#, 15 min 4,692#.

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)
00	S1	1	03/31/2021	24	317	870	2046	2744	18/64			3450

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Well Location

Survey Type: RECTANGULAR

Survey Number: 6206

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	-103.6141245	3419	N/A	N/A	FEDERAL	NMNM15321				2400	FSL	1795	FWL	25S	33E	31	NE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0869316	-103.6154541	-8358	11811	11777	FEDERAL	NMNM15321				2596	FSL	1387	FWL	25S	33E	31	NW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.085763	-103.61588	-8635	12100	12054	FEDERAL	NMNM15321				2171	FSL	1251	FWL	25S	33E	31	NW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0658319	-103.6162328	-8931	19684	12350	FEDERAL	NMNM15321				196	FSL	1118	FWL	26S	33E	6	SW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.065577	-103.6162114	-8931	19684	12350	FEDERAL	NMNM15321				103	FSL	1125	FWL	26S	33E	6	SW

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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	924	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	4972	10.75	45.5	HCL-80		BUTT		
00	INTERMEDIATE	9.875	0	11523	7.625	29.7	HCP-110		BUTT		
00	PRODUCTION	6.75	0	19801	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 Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Halccm	445	1.75	0	Halccm	300	1.35		210.8
00	INTERMEDIATE		ECONOCCEM	545	2.54	0	Halccm	245	1.33		304.6
00	PRODUCTION		Versacem	575	1.49	0	Versacem	900	1.26		354.6

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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: 10/18/2022

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_402H_5in_MD_20210422134218.pdf

Red_Hills_402H_WBD_20210422134239.pdf

Red_Hills_402H_5in_TVD_20221018091523.pdf

Red_Hills_402H_2in_TVD_20221018091538.pdf

Red_Hills_402H_2in_MD_20221018091543.pdf

Red_Hills_402H_C_102_As_drilled_w_HSU_20221018091715.pdf

Red_Hills_402H___EOW_20221018091822.pdf

Well Name ▾	Well Number ▾	US Well Number ▾	Status ▾	Created Date ▾	Date Accepted ▾
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	From: <input type="text" value="mm/dd/yyyy"/>	From: <input type="text" value="mm/dd/yyyy"/>
				To: <input type="text" value="mm/dd/yyyy"/>	To: <input type="text" value="mm/dd/yyyy"/>
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 257052

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 257052
	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 257052

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 741211468	OGRID: 12361
	Action Number: 257052
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

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