

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Kaiser-Francis Oil Company P.O. Box 21468, Tulsa, OK, 74121-1468		² OGRID Number 12361
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30-025-45383	⁵ Pool Name Upper Bone Spring WC-025-6-06	⁶ Pool Code 97994
⁷ Property Code 5467	⁸ Property Name Red Hills Federal	⁹ Well Number 101H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
3	31	25S	33E		2195	South	400	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	26S	33E		85	South	965	West	Lea

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Markwest Tornado GP, LLC 1515 Araphoe St., Suite 1600 Denver, CO 80202	G
	Plains Pipeline LP 333 Clay St., #1600 Houston, TX 77002	O

IV. Well Completion Data

²¹ Spud Date 3/4/19	²² Ready Date 1/22/20	²³ TD 17,494MD	²⁴ PBTB 17,451MD	²⁵ Perforations 10,232-17,402	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	921	660		
12-1/4	9-5/8	4,956	1,255		
8-1/2	5-1/2	17,479	2,975		

V. Well Test Data

³¹ Date New Oil 2/5/21	³² Gas Delivery Date	³³ Test Date 2/27/21	³⁴ Test Length 24	³⁵ Tbg. Pressure —	³⁶ Csg. Pressure 800
³⁷ Choke Size 40/64	³⁸ Oil 1045 BBL/day	³⁹ Water 3254/Day	⁴⁰ Gas 1045 MCF/Day		⁴¹ Test Method

⁴² 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.

Signature: *Eric Hansen*

Printed name: Eric Hansen

Title: Petroleum Engineer

E-mail Address: Eric.H@KFCC.net

Date: 4-8-21 Phone:

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOCD, SANTA FE

Approval Date: 08/26/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45383	² Pool Code 97994	³ Pool Name Upper Boreas WC-025-6-06
⁴ Property Code 5467	⁵ Property Name RED HILLS	⁶ Well Number 101H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY	⁹ Elevation 3405.0

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	31	25 S	33 E		2195	SOUTH	400	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	26 S	33 E		85	SOUTH	965	WEST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
238.8	Infill		R-20405

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SW CORNER SEC. 31 LAT. = 32.0943129°N LONG. = 103.6199197°W NMSP EAST (FT) N = 398778.60 E = 762263.04 W/4 CORNER SEC. 31 LAT. = 32.0870551°N LONG. = 103.6199216°W NMSP EAST (FT) N = 396138.31 E = 762279.92 SECTION CORNER LAT. = 32.0797982°N LONG. = 103.6198947°W NMSP EAST (FT) N = 393498.44 E = 762305.72 W/4 CORNER SEC. 6 LAT. = 32.0724271°N LONG. = 103.6198673°W NMSP EAST (FT) N = 390816.98 E = 762331.92 SW CORNER SEC. 6 LAT. = 32.0652928°N LONG. = 103.6198397°W NMSP EAST (FT) N = 388221.69 E = 762357.64		S89°33'55"W 2650.63 FT S89°36'15"W 2635.02 FT N/4 CORNER SEC. 31 LAT. = 32.0943196°N LONG. = 103.6113623°W NMSP EAST (FT) N = 398798.70 E = 764913.09 KICK OFF POINT 2583' FSL, 1017' FWL LAT. = 32.0868943°N LONG. = 103.6166367°W FIRST TAKE POINT 2063' FSL, 978' FWL LAT. = 32.0854677°N LONG. = 103.6167580°W SEC. 31 RED HILLS 101H ELEV. = 3405.0' LAT. = 32.0858301°N (NAD83) LONG. = 103.6186257°W NMSP EAST (FT) N = 395695.36 E = 762684.21 AS-DRILLED QUARTER CORNER LAT. = 32.0797943°N LONG. = 103.6113923°W NMSP EAST (FT) N = 390514.54 E = 764939.16 LATITUDE AND LONGITUDE VALUES ARE NAD 83 STATE PLANE VALUES ARE NMSP EAST GRID SEC. 6 BOTTOM OF HOLE LAT. = 32.0655278°N LONG. = 103.6167261°W NMSP EAST (FT) N = 388313.57 E = 763321.60 LAST TAKE POINT 177' FSL, 965' FWL LAT. = 32.0657806°N LONG. = 103.6167261°W SE CORNER SEC. 6 LAT. = 32.0652983°N LONG. = 103.6028498°W NMSP EAST (FT) N = 388258.92 E = 767620.79		NE CORNER SEC. 31 LAT. = 32.0943209°N LONG. = 103.6028553°W NMSP EAST (FT) N = 398816.91 E = 767547.55 E/4 CORNER SEC. 31 LAT. = 32.0870695°N LONG. = 103.6028547°W NMSP EAST (FT) N = 396178.96 E = 767565.60 SECTION CORNER LAT. = 32.0797953°N LONG. = 103.6028596°W NMSP EAST (FT) N = 393532.70 E = 767582.02 E/4 CORNER SEC. 6 LAT. = 32.0725247°N LONG. = 103.6028542°W NMSP EAST (FT) N = 390887.75 E = 767601.57	
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¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Eric Hansen Date: 4/8/21

Printed Name: Eric Hansen

E-mail Address: Eric.Hansen@kfc.net

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEBRUARY 16, 2021

Date of Survey

Signature and Seal of Professional Surveyor: [Signature]

Certificate Number: 12797
Professional Surveyor No. 5943D

Intent ☐ As Drilled ☒

API # 30-025-45383		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: RED HILLS	Well Number 101H

Kick Off Point (KOP)

UL L	Section 31	Township 25S	Range 33E	Lot 3	Feet 2583	From N/S SOUTH	Feet 1017	From E/W WEST	County LEA
Latitude 32.0868943					Longitude 103.6166367			NAD 83	

First Take Point (FTP)

UL L	Section 31	Township 25S	Range 33E	Lot 3	Feet 2063	From N/S SOUTH	Feet 978	From E/W WEST	County LEA
Latitude 32.0854677					Longitude 103.6167580			NAD 83	

Last Take Point (LTP)

UL M	Section 6	Township 26S	Range 33E	Lot 4	Feet 177	From N/S SOUTH	Feet 965	From E/W WEST	County LEA
Latitude 32.0657806					Longitude 103.6167261			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☒

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-025-45386		
Operator Name: Kaiser-Francis Oil Company	Property Name: Red Hills	Well Number 9B1

KZ 06/29/2018

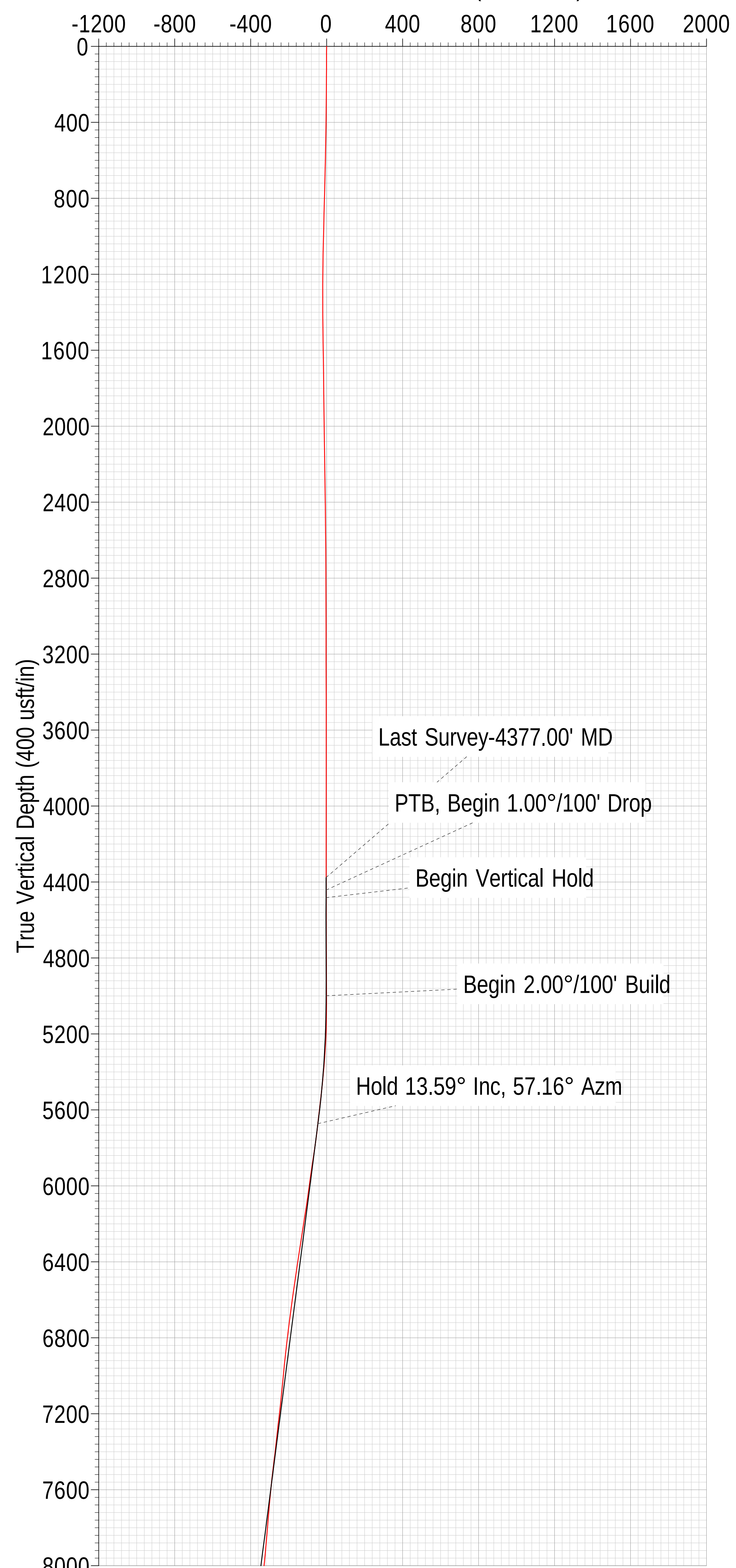
WELL DETAILS: Red Hills 101H

GL @ 3405.00 WELL @ 3428.00usft (Cactus 171)							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	395637.78	721497.71	32° 5' 8.539 N	103° 37' 5.356 W		
DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP v6 - Red Hills 101H	8720.00	400.47	596.59	396038.25	722094.30	32° 5' 12.463 N	103° 36' 58.391 W
T2 v5 - Red Hills 101H	9925.00	-736.17	607.64	394901.61	722105.35	32° 5' 1.214 N	103° 36' 58.350 W
T3 v5 - Red Hills 101H	9950.00	-1236.17	612.50	394401.61	722110.21	32° 4' 56.266 N	103° 36' 58.332 W
T4 v5 - Red Hills 101H	9975.00	-2236.17	622.21	393401.61	722119.92	32° 4' 46.370 N	103° 36' 58.297 W
T5 v5 - Red Hills 101H	9950.00	-3236.17	631.93	392401.61	722129.64	32° 4' 36.473 N	103° 36' 58.261 W
T6 v5 - Red Hills 101H	9930.00	-4236.17	641.64	391401.61	722139.35	32° 4' 26.577 N	103° 36' 58.226 W
T7 v5 - Red Hills 101H	9910.00	-5236.17	651.35	390401.61	722149.06	32° 4' 16.680 N	103° 36' 58.190 W
T8 v5 - Red Hills 101H	9885.00	-6236.17	661.07	389401.61	722158.78	32° 4' 6.784 N	103° 36' 58.154 W
PBHL v6 - Red Hills 101H	9885.00	-7366.42	672.04	388271.36	722169.75	32° 3' 55.598 N	103° 36' 58.114 W
T1 v5 - Red Hills 101H	9925.00	-486.17	605.21	395151.61	722102.92	32° 5' 3.689 N	103° 36' 58.359 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
4377.00	0.40	89.60	4376.47	2.23	-21.05	0.00	0.000	-2.44	Last Survey-4377.00' MD
4443.00	0.40	89.60	4442.46	2.24	-20.59	0.00	0.000	-2.44	PTB, Begin 1.00°/100' Drop
4483.00	0.00	0.00	4482.46	2.24	-20.45	1.00	180.000	-2.44	Begin Vertical Hold
5000.00	0.00	0.00	4999.46	2.24	-20.45	0.00	0.000	-2.44	Begin 2.00°/100' Build
5679.52	13.59	57.16	5672.63	45.73	46.95	2.00	57.162	-45.27	Hold 13.59° Inc, 57.16° Azm
8122.11	13.59	57.16	8046.83	356.97	529.20	0.00	0.000	-351.78	Begin 2.00°/100' Drop
8801.64	0.00	0.00	8720.00	400.47	596.59	2.00	180.000	-394.62	Begin Vertical Hold
9370.02	0.00	0.00	9288.38	400.47	596.59	0.00	0.000	-394.62	Begin 9.00°/100' Build
10370.02	90.00	179.44	9925.00	-236.12	602.78	9.00	179.443	242.00	Begin 90.00° Lateral
10870.09	90.00	179.44	9925.00	-736.17	607.64	0.00	0.000	742.07	Begin 2.00°/100' Drop
11043.08	86.54	179.44	9930.22	-909.05	609.32	2.00	179.991	914.96	Hold 86.54° Inc
11370.82	86.54	179.44	9950.00	-1236.17	612.50	0.00	0.000	1242.10	Begin 2.00°/100' Build
11477.94	88.68	179.44	9954.46	-1343.19	613.54	2.00	-0.003	1349.12	Hold 88.68° Inc
12371.20	88.68	179.44	9975.00	-2236.17	622.21	0.00	0.000	2242.14	Begin 2.00°/100' Build
12519.69	91.65	179.44	9974.57	-2384.63	623.66	2.00	0.000	2390.61	Hold 91.65° Inc
13371.62	91.65	179.44	9950.00	-3236.17	631.93	0.00	0.000	3242.19	Begin 2.00°/100' Drop
13397.28	91.14	179.44	9949.37	-3261.82	632.18	2.00	-180.000	3267.85	Hold 91.14° Inc
14371.87	91.14	179.44	9930.00	-4236.17	641.64	0.00	0.000	4242.24	Begin 2.00°/100' Build
14372.20	91.15	179.44	9929.99	-4236.50	641.64	2.00	0.000	4242.57	Begin 2.00°/100' Build
15372.11	91.15	179.44	9910.00	-5236.17	651.35	0.00	0.000	5242.29	Begin 2.00°/100' Build
15389.35	91.49	179.44	9909.60	-5253.40	651.52	2.00	-0.002	5259.52	Hold 91.49° Inc
16297.96	91.49	179.44	9885.97	-6161.66	660.35	0.00	0.000	6167.82	Begin 2.00°/100' Drop
16372.48	90.00	179.44	9885.00	-6236.17	661.07	2.00	179.990	6242.33	Hold 90.00° Inc
17502.78	90.00	179.44	9885.00	-7366.42	672.04	0.00	0.000	7372.63	PBHL

Vertical Section at 179.44° (400 usft/in)



Kaiser-Francis Oil Company

Company: Kaiser-Francis
Well: Red Hills 101H
County: Lea County, New Mexico (NAD 27)
Rig: Cactus 171
Wellbore: Wellbore #1
Design: Design #6
Created By: BSW
Date: 10:36, March 18 2019

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.482°
To convert a Magnetic Direction to a True Direction, Add 6.862° East
To convert a True Direction to a Grid Direction, Subtract 0.380°

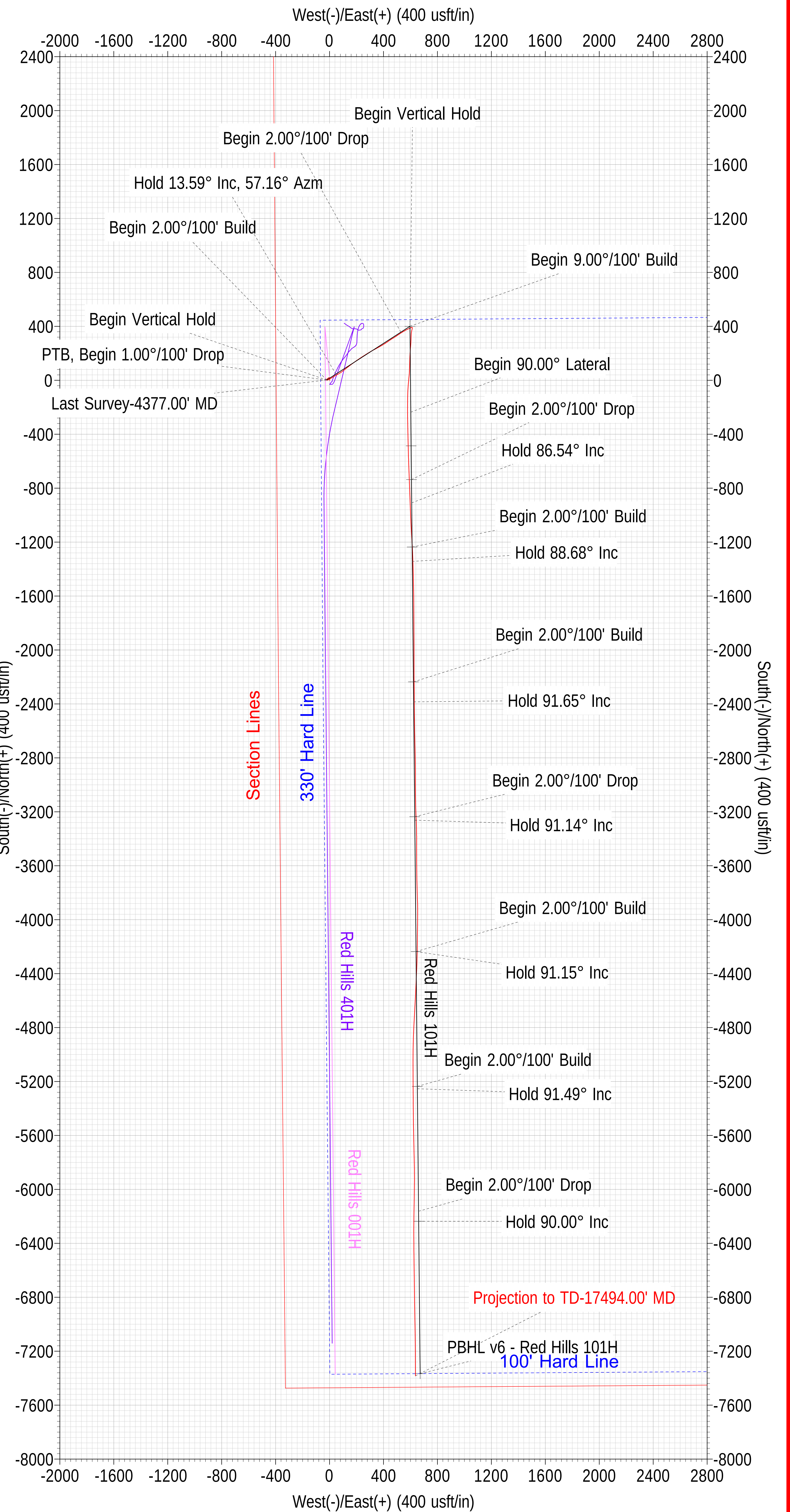
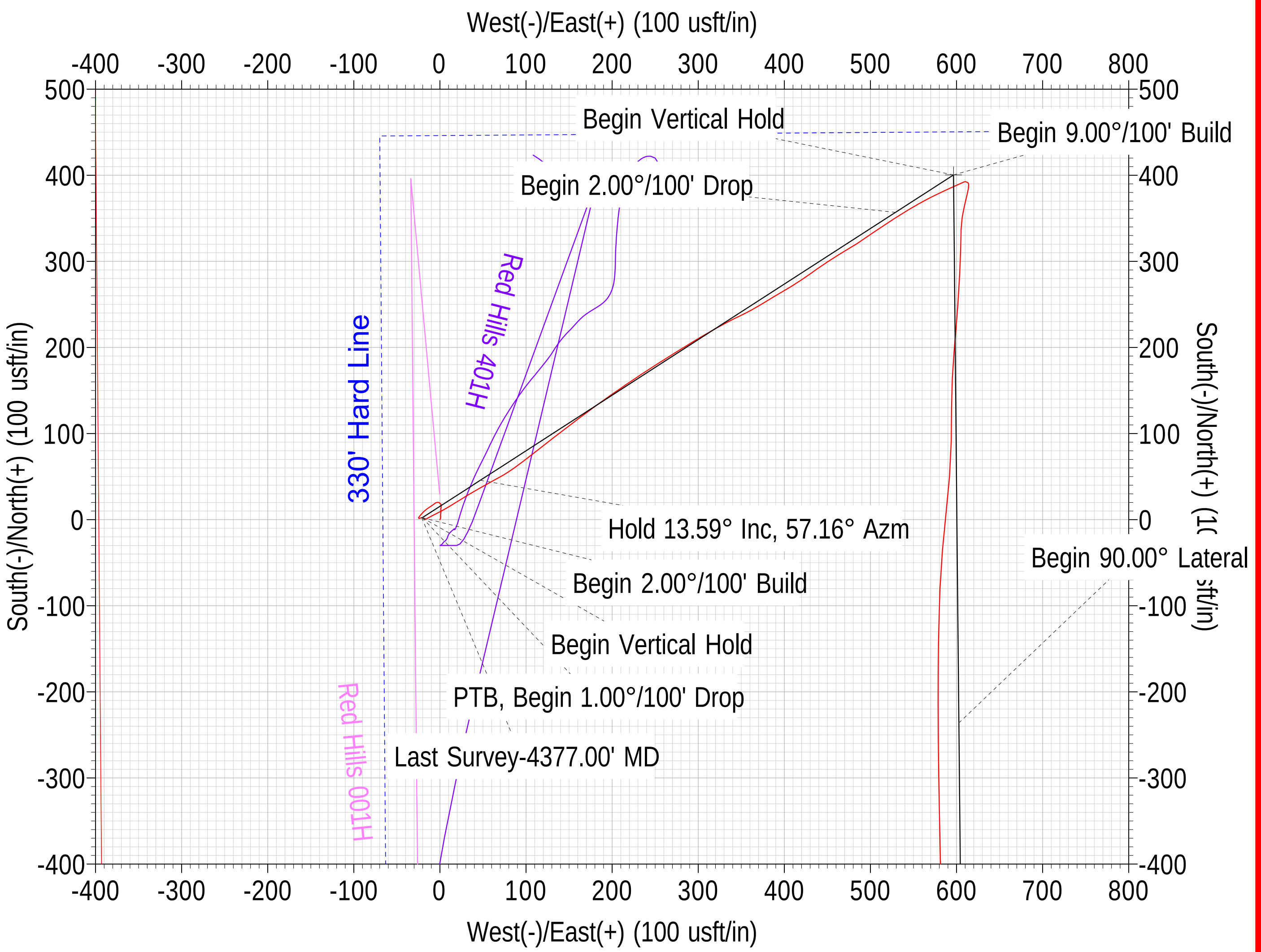
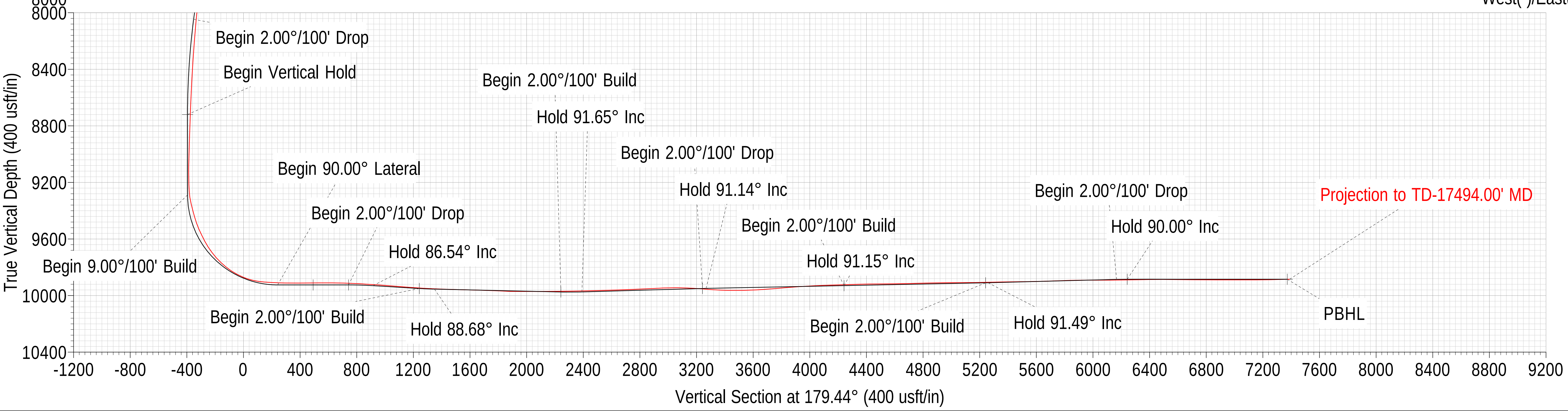
T
G
M

Azimuths to Grid North
True North: -0.38°
Magnetic North: 6.48°

Magnetic Field
Strength: 47702.0nT
Dip Angle: 59.85°
Date: 3/20/2019
Model: BGGM2018

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
151.00	4377.00	MS MWD (Wellbore #1)	MWD
4377.00	17502.61	Design #6 (Wellbore #1)	MWD



Kaiser-Francis Oil Company

Kaiser-Francis

Lea County, New Mexico (NAD 27)

Red Hills

Red Hills 101H

Wellbore #1

Design: Surveys

Standard Survey Report

18 March, 2019



Kaiser-Francis Oil Company

MS Directional
Survey Report

Company:	Kaiser-Francis	Local Co-ordinate Reference:	Well Red Hills 101H
Project:	Lea County, New Mexico (NAD 27)	TVD Reference:	WELL @ 3428.00usft (Cactus 171)
Site:	Red Hills	MD Reference:	WELL @ 3428.00usft (Cactus 171)
Well:	Red Hills 101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Conroe Db

Project	Lea County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	Red Hills 101H			
Well Position	+N/-S	0.00 usft	Northing:	395,637.78 usft
	+E/-W	0.00 usft	Easting:	721,497.71 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft
Grid Convergence:		0.380 °	Ground Level:	3,405.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2018	3/20/2019	6.862	59.846	47,702.00

Design	Surveys			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.44

Survey Program	Date	3/18/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
151.00	17,494.00	MS MWD (Wellbore #1)	MWD	OWSG MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151.00	0.50	22.70	151.00	0.61	0.25	-0.61	0.33	0.33	0.00
245.00	0.50	41.40	244.99	1.29	0.68	-1.29	0.17	0.00	19.89
339.00	0.60	357.70	338.99	2.09	0.94	-2.08	0.45	0.11	-46.49
432.00	0.80	3.20	431.98	3.23	0.95	-3.22	0.23	0.22	5.91
526.00	1.10	357.60	525.97	4.78	0.95	-4.78	0.33	0.32	-5.96
619.00	1.30	8.00	618.95	6.72	1.06	-6.71	0.32	0.22	11.18
712.00	1.60	359.40	711.92	9.06	1.19	-9.05	0.40	0.32	-9.25
806.00	1.50	0.60	805.89	11.61	1.19	-11.59	0.11	-0.11	1.28
875.00	1.30	6.60	874.87	13.29	1.29	-13.27	0.36	-0.29	8.70
989.00	1.20	359.80	988.84	15.77	1.44	-15.75	0.16	-0.09	-5.96
1,083.00	1.40	354.30	1,082.81	17.89	1.32	-17.88	0.25	0.21	-5.85
1,264.00	1.40	268.00	1,263.78	20.02	-1.11	-20.03	1.06	0.00	-47.68
1,357.00	1.10	272.90	1,356.75	20.02	-3.14	-20.05	0.34	-0.32	5.27
1,451.00	1.30	240.10	1,450.74	19.54	-4.96	-19.58	0.75	0.21	-34.89

Kaiser-Francis Oil Company

MS Directional
Survey Report

Company:	Kaiser-Francis	Local Co-ordinate Reference:	Well Red Hills 101H
Project:	Lea County, New Mexico (NAD 27)	TVD Reference:	WELL @ 3428.00usft (Cactus 171)
Site:	Red Hills	MD Reference:	WELL @ 3428.00usft (Cactus 171)
Well:	Red Hills 101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Conroe Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,545.00	1.50	228.10	1,544.71	18.18	-6.80	-18.25	0.38	0.21	-12.77	
1,638.00	1.20	232.70	1,637.68	16.78	-8.48	-16.86	0.34	-0.32	4.95	
1,732.00	1.10	240.40	1,731.66	15.74	-10.05	-15.83	0.20	-0.11	8.19	
1,826.00	1.00	241.90	1,825.65	14.91	-11.56	-15.02	0.11	-0.11	1.60	
1,920.00	1.40	233.50	1,919.63	13.84	-13.21	-13.96	0.46	0.43	-8.94	
2,014.00	1.50	230.90	2,013.60	12.38	-15.08	-12.52	0.13	0.11	-2.77	
2,109.00	1.20	229.70	2,108.57	10.95	-16.81	-11.11	0.32	-0.32	-1.26	
2,203.00	1.20	228.90	2,202.55	9.67	-18.30	-9.84	0.02	0.00	-0.85	
2,298.00	1.50	224.90	2,297.52	8.13	-19.93	-8.33	0.33	0.32	-4.21	
2,395.00	0.90	220.80	2,394.50	6.65	-21.32	-6.86	0.62	-0.62	-4.23	
2,489.00	0.70	221.50	2,488.49	5.67	-22.18	-5.88	0.21	-0.21	0.74	
2,583.00	0.60	216.20	2,582.49	4.84	-22.86	-5.06	0.12	-0.11	-5.64	
2,678.00	0.50	218.20	2,677.48	4.11	-23.41	-4.34	0.11	-0.11	2.11	
2,772.00	0.40	217.80	2,771.48	3.53	-23.86	-3.76	0.11	-0.11	-0.43	
2,867.00	0.30	218.00	2,866.48	3.07	-24.22	-3.31	0.11	-0.11	0.21	
2,960.00	0.20	207.90	2,959.48	2.74	-24.44	-2.98	0.12	-0.11	-10.86	
3,055.00	0.10	234.60	3,054.48	2.54	-24.59	-2.78	0.13	-0.11	28.11	
3,149.00	0.10	197.00	3,148.48	2.42	-24.68	-2.66	0.07	0.00	-40.00	
3,244.00	0.20	191.90	3,243.47	2.17	-24.74	-2.42	0.11	0.11	-5.37	
3,338.00	0.10	155.40	3,337.47	1.94	-24.74	-2.18	0.14	-0.11	-38.83	
3,432.00	0.10	91.30	3,431.47	1.86	-24.62	-2.10	0.11	0.00	-68.19	
3,526.00	0.20	184.00	3,525.47	1.70	-24.55	-1.94	0.24	0.11	98.62	
3,621.00	0.30	84.50	3,620.47	1.56	-24.31	-1.79	0.41	0.11	-104.74	
3,715.00	0.20	95.70	3,714.47	1.56	-23.91	-1.80	0.12	-0.11	11.91	
3,810.00	0.20	71.30	3,809.47	1.60	-23.58	-1.83	0.09	0.00	-25.68	
3,905.00	0.30	84.80	3,904.47	1.68	-23.18	-1.90	0.12	0.11	14.21	
3,999.00	0.10	66.30	3,998.47	1.73	-22.86	-1.95	0.22	-0.21	-19.68	
4,094.00	0.20	74.90	4,093.47	1.81	-22.62	-2.03	0.11	0.11	9.05	
4,188.00	0.30	68.90	4,187.47	1.94	-22.23	-2.16	0.11	0.11	-6.38	
4,282.00	0.40	72.00	4,281.47	2.13	-21.69	-2.34	0.11	0.11	3.30	
4,377.00	0.40	89.60	4,376.47	2.23	-21.05	-2.44	0.13	0.00	18.53	
4,471.00	0.30	109.30	4,470.46	2.15	-20.49	-2.35	0.16	-0.11	20.96	
4,565.00	0.60	121.90	4,564.46	1.81	-19.84	-2.01	0.33	0.32	13.40	
4,660.00	0.50	111.90	4,659.46	1.40	-19.03	-1.58	0.15	-0.11	-10.53	
4,755.00	0.50	127.30	4,754.45	0.99	-18.31	-1.17	0.14	0.00	16.21	
4,851.00	0.30	117.50	4,850.45	0.62	-17.76	-0.79	0.22	-0.21	-10.21	
4,905.00	0.30	135.90	4,904.45	0.45	-17.53	-0.62	0.18	0.00	34.07	
5,039.00	0.20	101.70	5,038.45	0.15	-17.06	-0.32	0.13	-0.07	-25.52	
5,133.00	2.60	58.00	5,132.41	1.25	-15.09	-1.40	2.62	2.55	-46.49	
5,228.00	5.50	63.30	5,227.17	4.44	-9.20	-4.53	3.07	3.05	5.58	
5,323.00	8.30	62.40	5,321.47	9.66	0.95	-9.65	2.95	2.95	-0.95	
5,417.00	10.70	58.20	5,414.17	17.40	14.38	-17.26	2.66	2.55	-4.47	
5,512.00	13.00	58.80	5,507.14	27.59	31.02	-27.28	2.42	2.42	0.63	
5,606.00	13.20	60.40	5,598.70	38.37	49.39	-37.88	0.44	0.21	1.70	

Kaiser-Francis Oil Company

MS Directional
Survey Report

Company:	Kaiser-Francis	Local Co-ordinate Reference:	Well Red Hills 101H
Project:	Lea County, New Mexico (NAD 27)	TVD Reference:	WELL @ 3428.00usft (Cactus 171)
Site:	Red Hills	MD Reference:	WELL @ 3428.00usft (Cactus 171)
Well:	Red Hills 101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Conroe Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,700.00	13.10	61.90	5,690.23	48.69	68.12	-48.02	0.38	-0.11	1.60	
5,795.00	14.20	54.00	5,782.56	60.61	87.05	-59.75	2.28	1.16	-8.32	
5,890.00	13.80	52.10	5,874.74	74.42	105.42	-73.38	0.64	-0.42	-2.00	
5,984.00	12.90	52.00	5,966.19	87.76	122.53	-86.56	0.96	-0.96	-0.11	
6,078.00	12.70	52.30	6,057.86	100.54	138.97	-99.18	0.22	-0.21	0.32	
6,172.00	14.80	52.90	6,149.16	114.10	156.73	-112.57	2.24	2.23	0.64	
6,266.00	15.50	53.90	6,239.89	128.75	176.45	-127.02	0.79	0.74	1.06	
6,361.00	15.20	54.70	6,331.50	143.42	196.87	-141.49	0.39	-0.32	0.84	
6,456.00	15.00	55.80	6,423.22	157.53	217.21	-155.40	0.37	-0.21	1.16	
6,550.00	14.70	56.70	6,514.08	170.92	237.24	-168.59	0.40	-0.32	0.96	
6,645.00	14.60	57.80	6,606.00	183.91	257.44	-181.39	0.31	-0.11	1.16	
6,739.00	13.80	58.00	6,697.12	196.17	276.97	-193.45	0.85	-0.85	0.21	
6,834.00	13.50	59.00	6,789.44	207.88	296.09	-204.98	0.40	-0.32	1.05	
6,929.00	12.60	60.20	6,881.98	218.74	314.58	-215.66	0.99	-0.95	1.26	
7,023.00	12.20	62.00	6,973.79	228.50	332.25	-225.24	0.59	-0.43	1.91	
7,118.00	12.30	64.60	7,066.63	237.56	350.26	-234.12	0.59	0.11	2.74	
7,213.00	12.90	59.30	7,159.34	247.31	368.52	-243.70	1.37	0.63	-5.58	
7,307.00	12.80	58.90	7,250.99	258.05	386.45	-254.26	0.14	-0.11	-0.43	
7,401.00	11.80	59.60	7,342.83	268.29	403.66	-264.33	1.08	-1.06	0.74	
7,495.00	12.70	56.10	7,434.69	278.91	420.53	-274.79	1.24	0.96	-3.72	
7,590.00	11.40	54.40	7,527.60	290.21	436.83	-285.92	1.42	-1.37	-1.79	
7,684.00	10.20	56.90	7,619.93	300.16	451.36	-295.73	1.37	-1.28	2.66	
7,778.00	9.40	58.30	7,712.56	308.74	464.86	-304.18	0.89	-0.85	1.49	
7,873.00	8.50	59.70	7,806.40	316.36	477.52	-311.67	0.97	-0.95	1.47	
7,967.00	9.40	55.30	7,899.26	324.23	489.83	-319.43	1.20	0.96	-4.68	
8,061.00	9.90	56.00	7,991.93	333.12	502.84	-328.19	0.55	0.53	0.74	
8,156.00	9.10	56.10	8,085.62	341.88	515.85	-336.82	0.84	-0.84	0.11	
8,250.00	8.60	57.60	8,178.50	349.79	527.95	-344.61	0.59	-0.53	1.60	
8,345.00	7.90	58.60	8,272.52	357.00	539.52	-351.71	0.75	-0.74	1.05	
8,440.00	7.20	59.50	8,366.70	363.42	550.22	-358.02	0.75	-0.74	0.95	
8,535.00	6.70	61.70	8,461.00	369.07	560.23	-363.58	0.60	-0.53	2.32	
8,629.00	5.90	62.50	8,554.43	373.90	569.35	-368.32	0.86	-0.85	0.85	
8,724.00	5.60	64.50	8,648.95	378.15	577.86	-372.48	0.38	-0.32	2.11	
8,818.00	4.90	64.60	8,742.56	381.85	585.63	-376.10	0.74	-0.74	0.11	
8,913.00	4.70	66.00	8,837.22	385.17	592.85	-379.36	0.24	-0.21	1.47	
9,007.00	4.30	66.20	8,930.93	388.16	599.59	-382.28	0.43	-0.43	0.21	
9,101.00	3.70	65.50	9,024.70	390.84	605.58	-384.90	0.64	-0.64	-0.74	
9,140.00	3.50	66.20	9,063.63	391.84	607.81	-385.88	0.53	-0.51	1.79	
9,194.00	2.70	81.30	9,117.55	392.70	610.57	-386.71	2.10	-1.48	27.96	
9,289.00	2.30	155.70	9,212.48	391.30	613.57	-385.28	3.20	-0.42	78.32	
9,336.00	3.10	170.70	9,259.43	389.18	614.17	-383.16	2.26	1.70	31.91	
9,382.00	8.50	189.20	9,305.18	384.60	613.82	-378.58	12.27	11.74	40.22	
9,429.00	14.40	194.00	9,351.22	375.49	611.85	-369.49	12.71	12.55	10.21	

Kaiser-Francis Oil Company

MS Directional
Survey Report

Company:	Kaiser-Francis	Local Co-ordinate Reference:	Well Red Hills 101H
Project:	Lea County, New Mexico (NAD 27)	TVD Reference:	WELL @ 3428.00usft (Cactus 171)
Site:	Red Hills	MD Reference:	WELL @ 3428.00usft (Cactus 171)
Well:	Red Hills 101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Conroe Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,477.00	14.80	192.90	9,397.67	363.72	609.04	-357.75	1.01	0.83	-2.29
9,524.00	16.40	188.80	9,442.94	351.31	606.68	-345.37	4.13	3.40	-8.72
9,572.00	19.00	182.20	9,488.67	336.80	605.35	-330.87	6.83	5.42	-13.75
9,619.00	23.90	180.80	9,532.40	319.63	604.92	-313.70	10.48	10.43	-2.98
9,666.00	26.20	182.40	9,574.98	299.74	604.35	-293.82	5.10	4.89	3.40
9,713.00	28.10	183.00	9,616.80	278.32	603.34	-272.41	4.08	4.04	1.28
9,761.00	32.60	183.70	9,658.21	254.11	601.91	-248.22	9.40	9.38	1.46
9,808.00	37.50	184.80	9,696.67	227.21	599.90	-221.33	10.51	10.43	2.34
9,856.00	41.40	184.70	9,733.73	196.82	597.37	-190.97	8.13	8.13	-0.21
9,903.00	46.90	183.00	9,767.44	164.17	595.20	-158.34	11.97	11.70	-3.62
9,950.00	50.70	180.10	9,798.40	128.83	594.27	-123.02	9.32	8.09	-6.17
9,997.00	57.10	180.80	9,826.08	90.88	593.96	-85.07	13.67	13.62	1.49
10,044.00	61.90	184.70	9,849.93	50.45	591.99	-44.66	12.46	10.21	8.30
10,091.00	67.60	186.10	9,869.97	8.15	587.97	-2.40	12.42	12.13	2.98
10,138.00	73.40	185.10	9,885.66	-35.92	583.66	41.63	12.50	12.34	-2.13
10,185.00	79.70	182.30	9,896.58	-81.51	580.73	87.18	14.60	13.40	-5.96
10,232.00	84.50	180.90	9,903.04	-128.03	579.43	133.69	10.63	10.21	-2.98
10,279.00	86.60	180.40	9,906.69	-174.89	578.90	180.54	4.59	4.47	-1.06
10,326.00	87.40	180.00	9,909.15	-221.82	578.74	227.47	1.90	1.70	-0.85
10,423.00	89.60	178.80	9,911.69	-318.77	579.75	324.43	2.58	2.27	-1.24
10,517.00	90.20	178.70	9,911.85	-412.75	581.80	418.42	0.65	0.64	-0.11
10,612.00	91.10	178.70	9,910.77	-507.72	583.96	513.40	0.95	0.95	0.00
10,707.00	89.30	178.00	9,910.44	-602.68	586.69	608.38	2.03	-1.89	-0.74
10,801.00	88.90	177.80	9,911.92	-696.60	590.14	702.34	0.48	-0.43	-0.21
10,895.00	86.80	178.10	9,915.45	-790.47	593.50	796.23	2.26	-2.23	0.32
10,989.00	86.40	178.00	9,921.02	-884.25	596.69	890.04	0.44	-0.43	-0.11
11,084.00	85.70	177.50	9,927.56	-978.95	600.41	984.77	0.90	-0.74	-0.53
11,178.00	85.90	177.30	9,934.45	-1,072.60	604.66	1,078.46	0.30	0.21	-0.21
11,272.00	85.20	176.20	9,941.74	-1,166.16	609.98	1,172.07	1.38	-0.74	-1.17
11,367.00	86.80	177.30	9,948.37	-1,260.78	615.35	1,266.73	2.04	1.68	1.16
11,461.00	88.10	178.40	9,952.55	-1,354.61	618.87	1,360.60	1.81	1.38	1.17
11,556.00	87.60	178.40	9,956.12	-1,449.51	621.52	1,455.51	0.53	-0.53	0.00
11,650.00	88.60	179.40	9,959.23	-1,543.44	623.32	1,549.46	1.50	1.06	1.06
11,744.00	88.50	179.10	9,961.61	-1,637.40	624.55	1,643.43	0.34	-0.11	-0.32
11,838.00	88.20	179.60	9,964.32	-1,731.35	625.62	1,737.39	0.62	-0.32	0.53
11,933.00	86.90	179.50	9,968.38	-1,826.26	626.36	1,832.30	1.37	-1.37	-0.11
12,028.00	89.60	180.10	9,971.28	-1,921.21	626.70	1,927.24	2.91	2.84	0.63
12,122.00	90.20	180.20	9,971.44	-2,015.21	626.45	2,021.23	0.65	0.64	0.11
12,216.00	90.20	179.80	9,971.12	-2,109.21	626.45	2,115.23	0.43	0.00	-0.43
12,311.00	90.60	179.40	9,970.45	-2,204.20	627.11	2,210.23	0.60	0.42	-0.42
12,405.00	91.40	179.50	9,968.81	-2,298.18	628.02	2,304.21	0.86	0.85	0.11
12,500.00	91.00	179.60	9,966.82	-2,393.16	628.76	2,399.19	0.43	-0.42	0.11
12,594.00	91.20	179.50	9,965.02	-2,487.14	629.50	2,493.17	0.24	0.21	-0.11

Kaiser-Francis Oil Company

MS Directional
Survey Report

Company:	Kaiser-Francis	Local Co-ordinate Reference:	Well Red Hills 101H
Project:	Lea County, New Mexico (NAD 27)	TVD Reference:	WELL @ 3428.00usft (Cactus 171)
Site:	Red Hills	MD Reference:	WELL @ 3428.00usft (Cactus 171)
Well:	Red Hills 101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Conroe Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,689.00	91.70	179.00	9,962.61	-2,582.10	630.74	2,588.14	0.74	0.53	-0.53
12,784.00	92.10	178.70	9,959.46	-2,677.03	632.65	2,683.08	0.53	0.42	-0.32
12,879.00	92.10	178.70	9,955.98	-2,771.94	634.80	2,778.01	0.00	0.00	0.00
12,973.00	93.50	179.40	9,951.39	-2,865.81	636.36	2,871.89	1.66	1.49	0.74
13,068.00	92.20	180.10	9,946.67	-2,960.69	636.77	2,966.77	1.55	-1.37	0.74
13,162.00	89.70	179.40	9,945.11	-3,054.67	637.18	3,060.75	2.76	-2.66	-0.74
13,257.00	87.20	178.60	9,947.68	-3,149.61	638.84	3,155.70	2.76	-2.63	-0.84
13,351.00	85.30	177.40	9,953.83	-3,243.35	642.11	3,249.47	2.39	-2.02	-1.28
13,446.00	86.80	178.70	9,960.37	-3,338.06	645.34	3,344.21	2.09	1.58	1.37
13,540.00	89.30	180.30	9,963.57	-3,431.99	646.15	3,438.14	3.16	2.66	1.70
13,635.00	90.80	179.80	9,963.49	-3,526.99	646.07	3,533.14	1.66	1.58	-0.53
13,729.00	93.60	179.60	9,959.88	-3,620.91	646.56	3,627.06	2.99	2.98	-0.21
13,857.00	94.50	178.40	9,950.84	-3,748.57	648.79	3,754.73	1.17	0.70	-0.94
13,950.00	95.30	177.90	9,942.89	-3,841.18	651.78	3,847.36	1.01	0.86	-0.54
14,045.00	93.50	179.50	9,935.61	-3,935.87	653.93	3,942.07	2.53	-1.89	1.68
14,140.00	92.40	181.50	9,930.72	-4,030.73	653.10	4,036.92	2.40	-1.16	2.11
14,235.00	92.00	180.20	9,927.07	-4,125.65	651.69	4,131.82	1.43	-0.42	-1.37
14,329.00	91.40	180.90	9,924.28	-4,219.60	650.79	4,225.76	0.98	-0.64	0.74
14,424.00	92.60	181.60	9,920.96	-4,314.52	648.72	4,320.65	1.46	1.26	0.74
14,519.00	90.30	183.00	9,918.56	-4,409.40	644.91	4,415.49	2.83	-2.42	1.47
14,614.00	90.40	182.60	9,917.98	-4,504.29	640.27	4,510.33	0.43	0.11	-0.42
14,708.00	90.70	183.00	9,917.08	-4,598.17	635.68	4,604.16	0.53	0.32	0.43
14,802.00	91.50	183.00	9,915.27	-4,692.02	630.76	4,697.96	0.85	0.85	0.00
14,897.00	91.50	183.00	9,912.79	-4,786.86	625.79	4,792.75	0.00	0.00	0.00
14,991.00	91.10	182.00	9,910.65	-4,880.75	621.69	4,886.59	1.15	-0.43	-1.06
15,086.00	90.30	180.40	9,909.49	-4,975.71	619.70	4,981.53	1.88	-0.84	-1.68
15,181.00	90.30	180.10	9,909.00	-5,070.71	619.28	5,076.52	0.32	0.00	-0.32
15,275.00	91.00	179.60	9,907.93	-5,164.70	619.53	5,170.51	0.92	0.74	-0.53
15,370.00	91.70	179.70	9,905.69	-5,259.68	620.11	5,265.48	0.74	0.74	0.11
15,465.00	90.60	179.40	9,903.79	-5,354.65	620.86	5,360.46	1.20	-1.16	-0.32
15,559.00	90.80	179.60	9,902.64	-5,448.64	621.68	5,454.46	0.30	0.21	0.21
15,655.00	90.80	179.00	9,901.30	-5,544.62	622.85	5,550.45	0.62	0.00	-0.63
15,749.00	91.40	178.60	9,899.49	-5,638.59	624.82	5,644.42	0.77	0.64	-0.43
15,843.00	92.40	178.70	9,896.38	-5,732.51	627.03	5,738.36	1.07	1.06	0.11
15,938.00	91.90	178.90	9,892.81	-5,827.42	629.02	5,833.29	0.57	-0.53	0.21
16,033.00	89.60	180.20	9,891.57	-5,922.40	629.76	5,928.27	2.78	-2.42	1.37
16,127.00	90.40	180.90	9,891.57	-6,016.39	628.86	6,022.25	1.13	0.85	0.74
16,222.00	90.50	181.30	9,890.82	-6,111.37	627.04	6,117.21	0.43	0.11	0.42
16,316.00	90.70	180.00	9,889.84	-6,205.36	625.97	6,211.18	1.40	0.21	-1.38
16,410.00	90.90	180.00	9,888.52	-6,299.35	625.97	6,305.17	0.21	0.21	0.00
16,504.00	91.10	180.20	9,886.88	-6,393.34	625.81	6,399.15	0.30	0.21	0.21
16,598.00	89.60	179.30	9,886.31	-6,487.33	626.22	6,493.14	1.86	-1.60	-0.96
16,693.00	89.40	179.30	9,887.14	-6,582.32	627.38	6,588.14	0.21	-0.21	0.00
16,787.00	89.50	179.10	9,888.04	-6,676.30	628.69	6,682.13	0.24	0.11	-0.21

Kaiser-Francis Oil Company

MS Directional
Survey Report

Company:	Kaiser-Francis	Local Co-ordinate Reference:	Well Red Hills 101H
Project:	Lea County, New Mexico (NAD 27)	TVD Reference:	WELL @ 3428.00usft (Cactus 171)
Site:	Red Hills	MD Reference:	WELL @ 3428.00usft (Cactus 171)
Well:	Red Hills 101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Conroe Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,882.00	89.40	179.40	9,888.95	-6,771.29	629.93	6,777.13	0.33	-0.11	0.32	
16,977.00	90.00	179.10	9,889.45	-6,866.28	631.18	6,872.12	0.71	0.63	-0.32	
17,071.00	90.10	178.70	9,889.37	-6,960.26	632.98	6,966.12	0.44	0.11	-0.43	
17,165.00	90.00	179.10	9,889.29	-7,054.25	634.79	7,060.11	0.44	-0.11	0.43	
17,259.00	90.10	179.50	9,889.20	-7,148.24	635.94	7,154.11	0.44	0.11	0.43	
17,354.00	91.10	179.70	9,888.21	-7,243.23	636.60	7,249.11	1.07	1.05	0.21	
17,434.00	91.50	179.60	9,886.39	-7,323.21	637.09	7,329.09	0.52	0.50	-0.13	
17,494.00	91.50	179.60	9,884.82	-7,383.19	637.51	7,389.07	0.00	0.00	0.00	
Projection to TD-17494.00' MD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
17,494.00	9,884.82	-7,383.19	637.51	Projection to TD-17494.00' MD	

Well Name: RED HILLS	Well Location: T25S / R33E / SEC 31 / LOT 3 / NWSW / 32.0858567 / - 103.6182519	County or Parish/State: LEA / NM
Well Number: 101H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM015321, NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002545383	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 04/16/2021	Time Sundry Submitted: 01:42
Date Operation Actually Began: 10/03/2020	
Actual Procedure: MIRU WL 10/03/20 TCP Stage 1: 17,282'-17,402' Broke down perfs 10/22/20 Stage frac lateral 10,232'-17,402' in 43 stages w/488,638 bbls of fluid + 19,504,158# sand 12/17/20 Drilled out plugs and cleaned out lateral to PBTD with coil. flow back well. 1/21/20	

SR Attachments

Actual Procedure

Red_Hills_101H_Drilling_WBD_20210416134155.pdf

Well Name: RED HILLS	Well Location: T25S / R33E / SEC 31 / LOT 3 / NWSW / 32.0858567 / - 103.6182519	County or Parish/State: LEA / NM
Well Number: 101H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM015321, NMNM15321	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002545383	Well Status: Drilling Well	Operator: KAISER FRANCIS OIL COMPANY

Operator Certification

I certify that the foregoing is true and correct. 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 to 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 Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: ERIC HANSEN	Signed on: APR 16, 2021 01:41 PM
Name: KAISER FRANCIS OIL COMPANY	
Title: Drilling Engineer	
Street Address: 6733 S. Yale Ave.	
City: Tulsa	State: OK
Phone: (918) 491-4339	
Email address: EricH@kfoc.net	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 04/29/2021
Signature: Jonathon Shepard	

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
		1. WELL API NO.		30-025-45383						
		2. Type of Lease		☐ STATE ☐ FEE ☒ FED/INDIAN						
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				5. Lease Name or Unit Agreement Name Red Hills Federal 6. Well Number: 101H						
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Kaiser-Francis Oil Company				9. OGRID 12361						
10. Address of Operator P.O. Box 21468, Tulsa, OK 74121-1468				11. Pool name or Wildcat 97994 upper Bayspring						
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	3	31	25S	33E		2195	South	400	West	Lea
BH:	4	6	26S	33E		85	South	965	West	Lea
13. Date Spudded 3/4/19	14. Date T.D. Reached 3-20-19		15. Date Rig Released 3-21-19		16. Date Completed (Ready to Produce) 1/21/21		17. Elevations (DF and RKB, RT, GR, etc.) 3405 GR			
18. Total Measured Depth of Well 17,494MD 9,886TVD			19. Plug Back Measured Depth 17,451MD 9,886TVD			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run GR		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,232-17,402 Bone Spring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8		54.5		921		17-1/2		660 sxs		-0-
9-5/8		47		4956		12-1/4		1255 sxs		-0-
5-1/2		20		17,479		8-1/2		2975 sxs		-0-
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
None	-	-	-	-		SIZE	DEPTH SET	PACKER SET		
						2-7/8	17,451	9,335		
26. Perforation record (interval, size, and number) 10,232-17,402, .42 EHD, 2064 Perfs						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,232-		448,638 bbls fluid +		
						17,402		19,504,158# sand		
28. PRODUCTION										
Date First Production 2/5/21		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod				
Date of Test 2/27/21	Hours Tested 24	Choke Size 40/64	Prod'n For Test Period	Oil - Bbl 511	Gas - MCF 1045	Water - Bbl. 3254	Gas - Oil Ratio 2045			
Flow Tubing Press. NA	Casing Pressure 800	Calculated 24-Hour Rate	Oil - Bbl. 511	Gas - MCF 1045	Water - Bbl. 3254	Oil Gravity - API - (Corr.) 44				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By				
31. List Attachments C-104 NW, C-102 As-Drilled w/HSU, C-103 Casing, C-103 Completion, Final Svy, WBD										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.						33. Rig Release Date:				
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude				Longitude				NAD83		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature Eric Hansen			Printed Name Eric Hansen		Title Petroleum Engineer			Date 4/9/21		
E-mail Address										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
			Delaware 4915 Lower Brushy Canyon 8898 Upper Anaden 9109				

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 36478

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 36478
	Action Type: [C-104] Completion Packet (C-104C)

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.

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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 36478

CONDITIONS

Operator: KAISER-FRANCIS OIL CO P.O. Box 21468 Tulsa, OK 74121	OGRID: 12361
	Action Number: 36478
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/26/2021