

Submit 1 Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-025-45387
2. Name of Operator Kaiser-Francis Oil Company		5. Indicate Type of Lease STATE ☐ FEE ☐ FED ☐
3. Address of Operator P.O. Box 21468, Tulsa, OK 74121		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>K</u> : <u>2,400</u> feet from the <u>South</u> line and <u>1,795</u> feet from the <u>West</u> line Section <u>31</u> Township <u>25S</u> Range <u>33E</u> NMPM County <u>Lea</u>		7. Lease Name or Unit Agreement Name Red Hills Federal
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3418' GR		8. Well Number 402H
9. OGRID Number 12361		10. Pool name or Wildcat WC-025 G-09 S253236A; UPR WOLFCAMP

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ CLOSED-LOOP SYSTEM ☐ OTHER: ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ OTHER: POOL NAME CHANGE ☒	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

KFOC requests the pool code and name for the Red Hills Federal 503H be updated to 98158; WC-025 G-09 S253236A; UPR WOLFCAMP.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Christina Opfer* TITLE Regulatory Manager DATE 12/01/2022
 Type or print name Christina Opfer E-mail address ChristinaO@kfoc.net PHONE 918-491-4468

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

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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 30-025-45387	² Pool Code 98158	³ Pool Name WC-025 G-09 S253236A;UPR WOLFCAMP
⁴ Property Code 5467	⁵ Property Name RED HILLS	⁶ Well Number 402H
⁷ OGRID No. 12361	⁸ Operator Name KAISER-FRANCIS OIL COMPANY	⁹ Elevation 3418.3

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
K	31	25 S	33 E		2400	SOUTH	1795	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		330	SOUTH	1266	WEST	LEA

¹² Dedicated Acres 478.8	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

	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. Christina Opfer 12/1/22 Signature Date Christina Opfer Printed Name ChristinaO@kfoc.net E-mail Address 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. APRIL 18, 2019 Date of Survey FILMON F. JARAMILLO Signature and Seal of Professional Surveyor Certificate Number: FILMON F. JARAMILLO, PLS 12797 SURVEY NO. 6206B
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Intent ☒ As Drilled ☐

API # 30-025-45387		
Operator Name: KAISER-FRANCIS OIL COMPANY	Property Name: RED HILLS	Well Number 402H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL L	Section 31	Township 25S	Range 33E	Lot	Feet 2600	From N/S SOUTH	Feet 1266	From E/W WEST	County LEA
Latitude 32.0868172					Longitude 103.6153631			NAD 27	

Last Take Point (LTP)

UL M	Section 6	Township 26S	Range 33E	Lot 4	Feet 330	From N/S SOUTH	Feet 1266	From E/W WEST	County LEA
Latitude 32.0660762					Longitude 103.6152874			NAD 27	

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

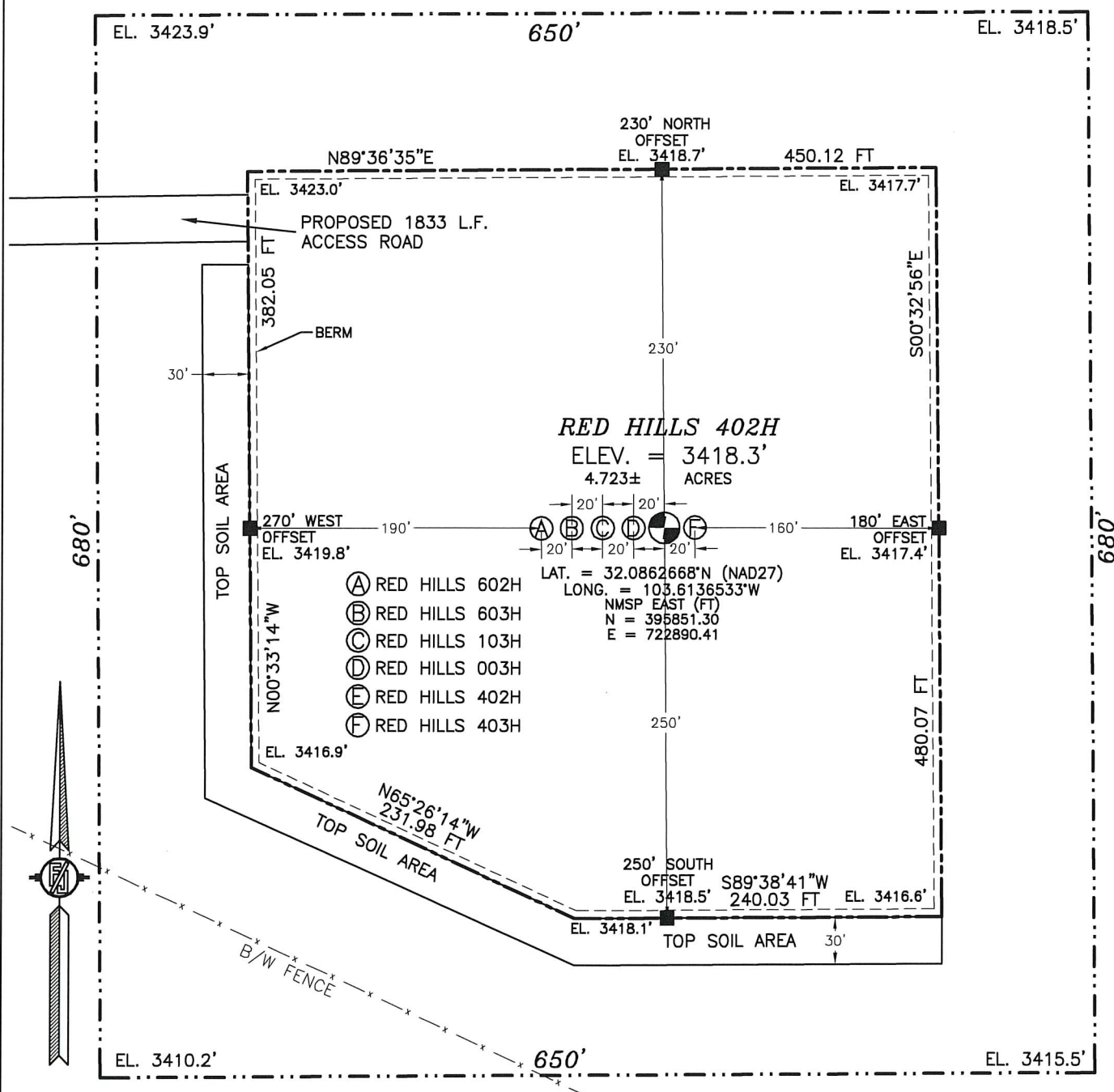
☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

SECTION 31, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR. 1 (ORLA HWY.) AND MONSANTO ROAD, GO SOUTH ON CR. 1 2.1 MILES TO A CALICHE ROAD ON LEFT (EAST), TURN LEFT AND GO EAST ON CALICHE ROAD 2.72 MILES TO A "Y" INTERSECTION, BEAR RIGHT (SOUTHEAST) AND GO SOUTHEAST 0.57 MILE TO A ROAD SURVEY ON RIGHT (SOUTH), FOLLOW ROAD SURVEY SOUTH 930' THEN EAST 903' TO THE NORTHWEST PAD CORNER FOR THIS LOCATION.

**KAISER-FRANCIS OIL COMPANY
RED HILLS 402H**

LOCATED 2400 FT. FROM THE SOUTH LINE
AND 1795 FT. FROM THE WEST LINE OF
SECTION 31, TOWNSHIP 25 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 18, 2019

SURVEY NO. 6206B

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

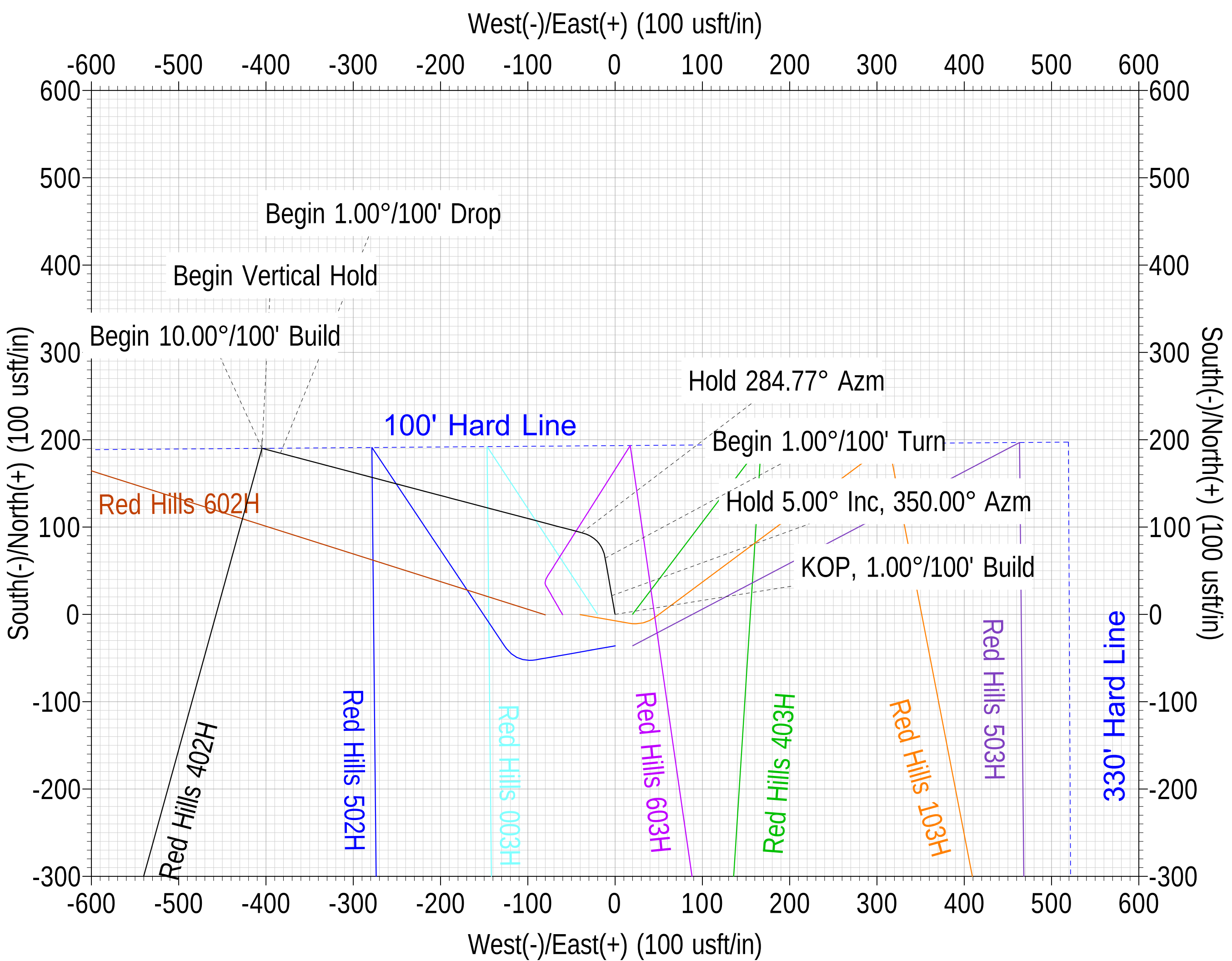
WELL DETAILS: Red Hills 402H

		GL @ 3418.30		WELL @ 3441.30usft (Cactus 171)			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.00	0.00	395908.88	764076.92	32° 5' 11.010 N	103° 36' 50.848 W		
DESIGN TARGET DETAILS							

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Red Hills 402H	11627.04	190.14	-404.55	396099.02	763672.37	32° 5' 12.918 N	103° 36' 55.536 W
PBHL - Red Hills 402H	12200.00	-7579.26	-598.29	388329.62	763478.63	32° 3' 56.049 N	103° 36' 58.388 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.000	0.00	KOP, 1.00°/100' Build
1600.00	5.00	350.00	1599.37	21.47	-3.79	1.00	350.000	-21.11	Hold 5.00° Inc, 350.00° Azm
2100.00	5.00	350.00	2097.46	64.39	-11.35	0.00	0.000	-63.29	Begin 1.00°/100' Turn
2638.72	5.00	284.77	2634.53	93.52	-38.17	1.00	-122.475	-90.23	Hold 284.77° Azm
6732.04	5.00	284.77	6712.24	184.57	-383.43	0.00	0.000	-153.82	Begin 1.00°/100' Drop
7232.47	0.00	0.00	7212.04	190.14	-404.55	1.00	180.000	-157.71	Begin Vertical Hold
11647.47	0.00	0.00	11627.04	190.14	-404.55	0.00	0.000	-157.71	Begin 10.00°/100' Build
12547.47	90.00	195.45	12200.00	-362.12	-557.19	10.00	195.450	404.84	Hold 90.00° Inc, Begin 2.00°/100' Turn
13347.74	90.00	179.44	12200.00	-1153.05	-660.58	2.00	-90.000	1201.46	Hold 179.44° Azm
19774.25	90.00	179.44	12200.00	-7579.26	-598.29	0.00	0.000	7602.84	PBHL



Kaiser-Francis Oil Company

Company: Kaiser-Francis

Well: Red Hills 402H

County: Lea County, New Mexico (NAD 83)

Rig: Cactus 171

Wellbore: Wellbore #1

Design: Design #1

Created By: DLD

Date: 13:10, May 20 2019

Geodetic System: US State Plane 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.268°

To convert a Magnetic Direction to a True Direction, Add 6.650° East

To convert a True Direction to a Grid Direction, Subtract 0.382°

TGM

Azimuths to Grid North

True North: -0.38°

Magnetic North: 6.27°

Magnetic Field

Strength: 47739.8nT

Dip Angle: 59.68°

Date: 7/3/2019

Model: HDGM2019

SURVEY PROGRAM

Depth From

Depth To

Survey/Plan

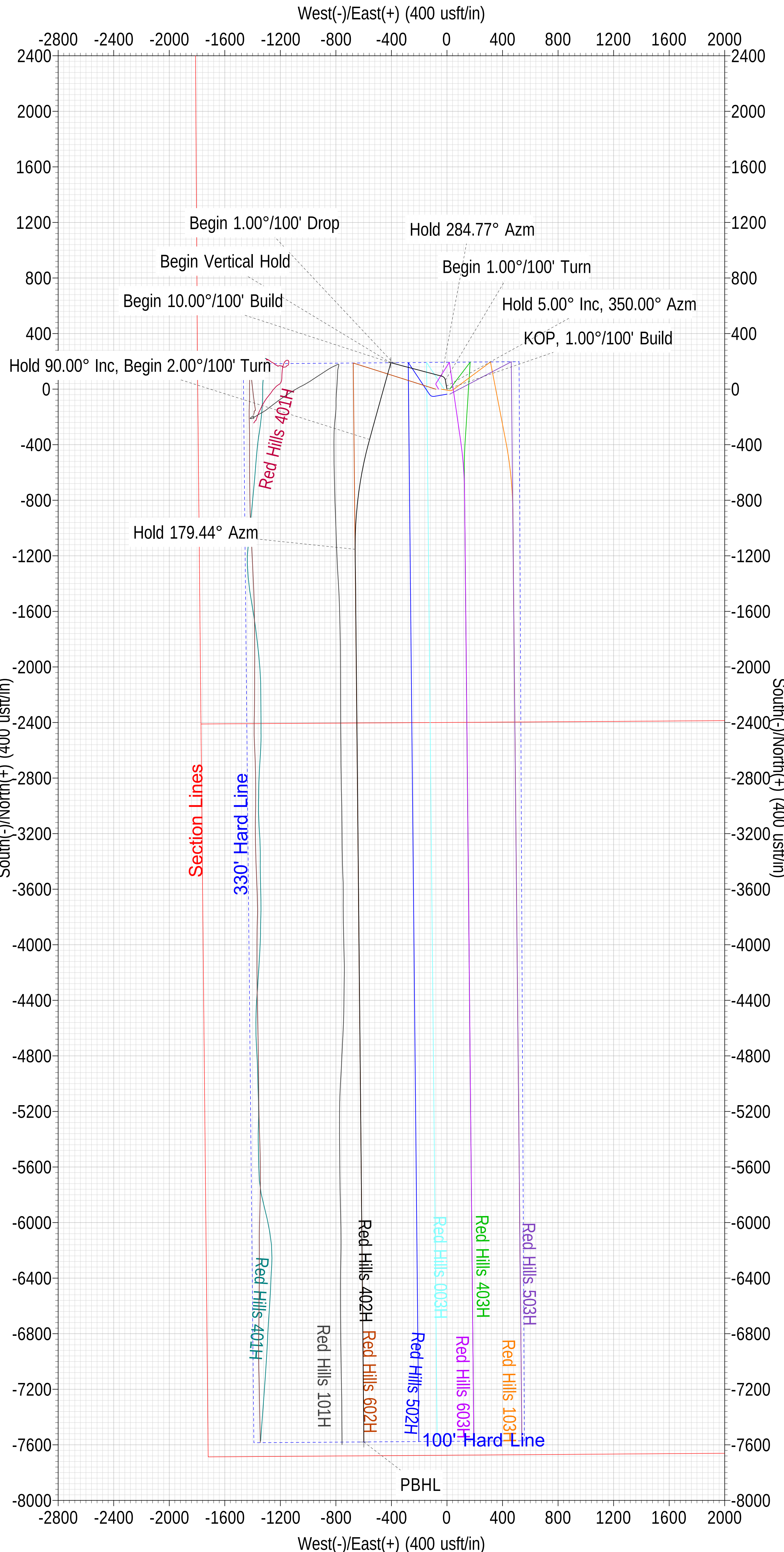
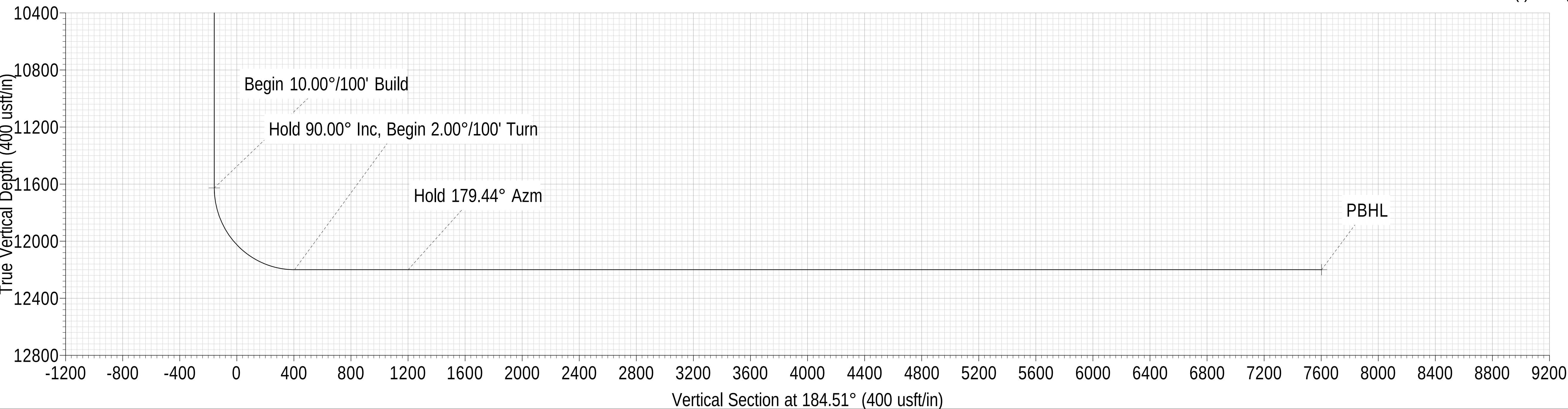
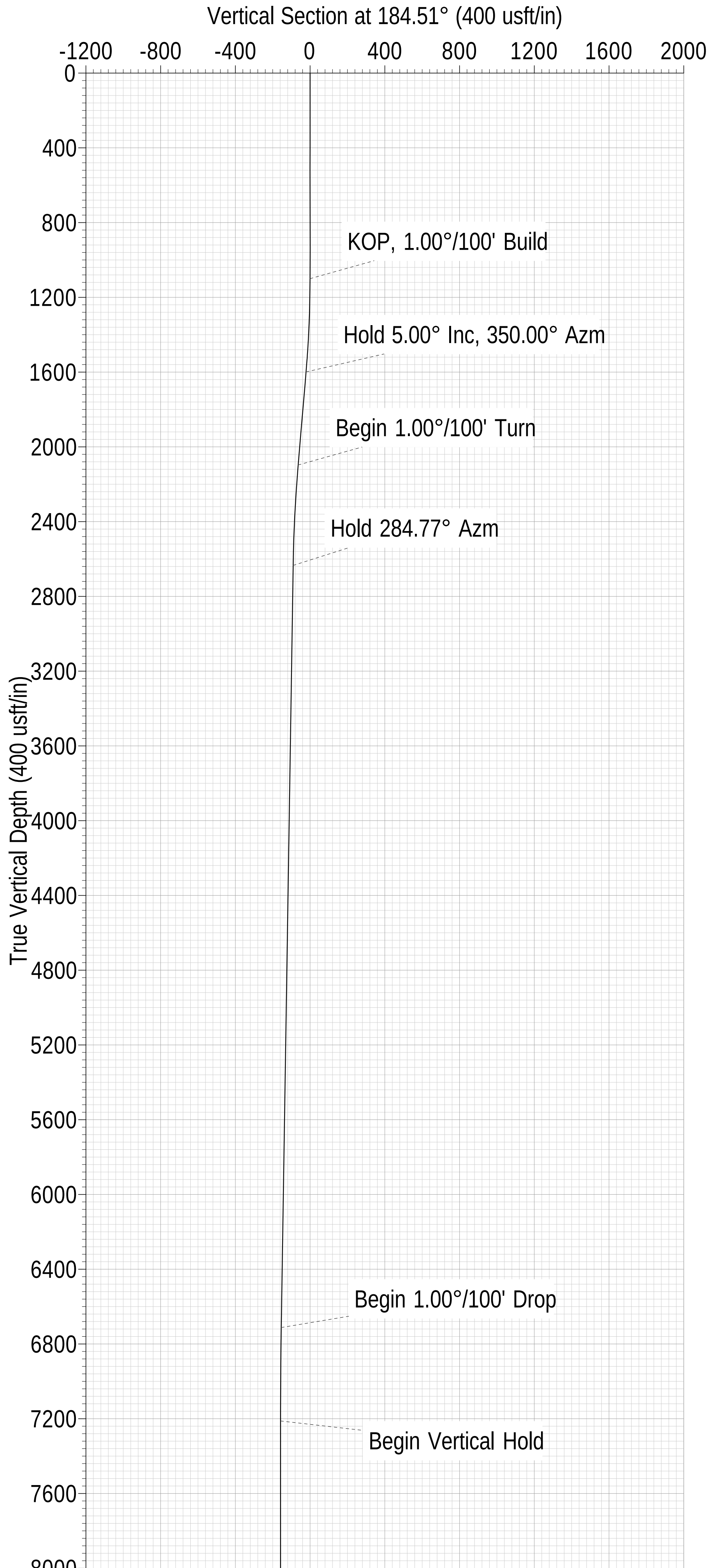
Tool

0.00

19774.25

Design #1 (Wellbore #1)

MWD+HRGM



Kaiser-Francis Oil Company

Kaiser-Francis

Lea County, New Mexico (NAD 83)

Red Hills

Red Hills 402H

Wellbore #1

Plan: Design #1

Standard Planning Report

20 May, 2019



Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Lea County, New Mexico (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Red Hills				
Site Position:		Northing:	395,872.88 usft	Latitude:	32° 5' 10.654 N
From:	Map	Easting:	764,077.16 usft	Longitude:	103° 36' 50.848 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Red Hills 402H					
Well Position	+N/-S	0.00 usft	Northing:	395,908.88 usft	Latitude:	32° 5' 11.010 N
	+E/-W	0.00 usft	Easting:	764,076.92 usft	Longitude:	103° 36' 50.848 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,418.30 usft
Grid Convergence:	0.382 °					

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2019	7/3/2019	6.650	59.683	47,739.80

Design	Design #1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	184.51	

Plan Survey Tool Program	Date	5/20/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	19,774.25	Design #1 (Wellbore #1)	MWD+HRGM	
				OWSG MWD + HRGM	

Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,600.00	5.00	350.00	1,599.37	21.47	-3.79	1.00	1.00	0.00	350.000	
2,100.00	5.00	350.00	2,097.46	64.39	-11.35	0.00	0.00	0.00	0.000	
2,638.72	5.00	284.77	2,634.53	93.52	-38.17	1.00	0.00	-12.11	-122.475	
6,732.04	5.00	284.77	6,712.24	184.57	-383.43	0.00	0.00	0.00	0.000	
7,232.47	0.00	0.00	7,212.04	190.14	-404.55	1.00	-1.00	0.00	180.000	
11,647.47	0.00	0.00	11,627.04	190.14	-404.55	0.00	0.00	0.00	0.000	VP - Red Hills 402H
12,547.47	90.00	195.45	12,200.00	-362.12	-557.19	10.00	10.00	0.00	195.450	
13,347.74	90.00	179.44	12,200.00	-1,153.05	-660.58	2.00	0.00	-2.00	-90.000	
19,774.25	90.00	179.44	12,200.00	-7,579.26	-598.29	0.00	0.00	0.00	0.000	PBHL - Red Hills 402H

Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 1.00°/100' Build									
1,200.00	1.00	350.00	1,199.99	0.86	-0.15	-0.84	1.00	1.00	0.00
1,300.00	2.00	350.00	1,299.96	3.44	-0.61	-3.38	1.00	1.00	0.00
1,400.00	3.00	350.00	1,399.86	7.73	-1.36	-7.60	1.00	1.00	0.00
1,500.00	4.00	350.00	1,499.68	13.74	-2.42	-13.51	1.00	1.00	0.00
1,600.00	5.00	350.00	1,599.37	21.47	-3.79	-21.11	1.00	1.00	0.00
Hold 5.00° Inc, 350.00° Azm									
1,700.00	5.00	350.00	1,698.99	30.05	-5.30	-29.54	0.00	0.00	0.00
1,800.00	5.00	350.00	1,798.60	38.64	-6.81	-37.98	0.00	0.00	0.00
1,900.00	5.00	350.00	1,898.22	47.22	-8.33	-46.42	0.00	0.00	0.00
2,000.00	5.00	350.00	1,997.84	55.80	-9.84	-54.86	0.00	0.00	0.00
2,100.00	5.00	350.00	2,097.46	64.39	-11.35	-63.29	0.00	0.00	0.00
Begin 1.00°/100' Turn									
2,200.00	4.54	339.28	2,197.12	72.38	-13.51	-71.09	1.00	-0.46	-10.72
2,300.00	4.27	326.72	2,296.82	79.20	-16.96	-77.62	1.00	-0.27	-12.56
2,400.00	4.23	313.21	2,396.55	84.84	-21.69	-82.87	1.00	-0.04	-13.51
2,500.00	4.42	300.14	2,496.27	89.30	-27.70	-86.84	1.00	0.19	-13.07
2,600.00	4.81	288.67	2,595.95	92.57	-35.00	-89.53	1.00	0.39	-11.47
2,638.72	5.00	284.77	2,634.53	93.52	-38.17	-90.23	1.00	0.51	-10.07
Hold 284.77° Azm									
2,700.00	5.00	284.77	2,695.57	94.88	-43.34	-91.18	0.00	0.00	0.00
2,800.00	5.00	284.77	2,795.19	97.11	-51.77	-92.73	0.00	0.00	0.00
2,900.00	5.00	284.77	2,894.81	99.33	-60.21	-94.29	0.00	0.00	0.00
3,000.00	5.00	284.77	2,994.43	101.56	-68.64	-95.84	0.00	0.00	0.00
3,100.00	5.00	284.77	3,094.05	103.78	-77.08	-97.39	0.00	0.00	0.00
3,200.00	5.00	284.77	3,193.67	106.00	-85.51	-98.95	0.00	0.00	0.00
3,300.00	5.00	284.77	3,293.29	108.23	-93.95	-100.50	0.00	0.00	0.00
3,400.00	5.00	284.77	3,392.91	110.45	-102.38	-102.05	0.00	0.00	0.00
3,500.00	5.00	284.77	3,492.52	112.68	-110.82	-103.61	0.00	0.00	0.00
3,600.00	5.00	284.77	3,592.14	114.90	-119.25	-105.16	0.00	0.00	0.00
3,700.00	5.00	284.77	3,691.76	117.13	-127.69	-106.71	0.00	0.00	0.00
3,800.00	5.00	284.77	3,791.38	119.35	-136.12	-108.27	0.00	0.00	0.00
3,900.00	5.00	284.77	3,891.00	121.57	-144.56	-109.82	0.00	0.00	0.00
4,000.00	5.00	284.77	3,990.62	123.80	-152.99	-111.38	0.00	0.00	0.00
4,100.00	5.00	284.77	4,090.24	126.02	-161.43	-112.93	0.00	0.00	0.00
4,200.00	5.00	284.77	4,189.86	128.25	-169.86	-114.48	0.00	0.00	0.00
4,300.00	5.00	284.77	4,289.47	130.47	-178.30	-116.04	0.00	0.00	0.00
4,400.00	5.00	284.77	4,389.09	132.70	-186.73	-117.59	0.00	0.00	0.00
4,500.00	5.00	284.77	4,488.71	134.92	-195.17	-119.14	0.00	0.00	0.00
4,600.00	5.00	284.77	4,588.33	137.14	-203.60	-120.70	0.00	0.00	0.00
4,700.00	5.00	284.77	4,687.95	139.37	-212.03	-122.25	0.00	0.00	0.00
4,800.00	5.00	284.77	4,787.57	141.59	-220.47	-123.80	0.00	0.00	0.00

Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
4,900.00	5.00	284.77	4,887.19	143.82	-228.90	-125.36	0.00	0.00	0.00
5,000.00	5.00	284.77	4,986.81	146.04	-237.34	-126.91	0.00	0.00	0.00
5,100.00	5.00	284.77	5,086.42	148.27	-245.77	-128.47	0.00	0.00	0.00
5,200.00	5.00	284.77	5,186.04	150.49	-254.21	-130.02	0.00	0.00	0.00
5,300.00	5.00	284.77	5,285.66	152.72	-262.64	-131.57	0.00	0.00	0.00
5,400.00	5.00	284.77	5,385.28	154.94	-271.08	-133.13	0.00	0.00	0.00
5,500.00	5.00	284.77	5,484.90	157.16	-279.51	-134.68	0.00	0.00	0.00
5,600.00	5.00	284.77	5,584.52	159.39	-287.95	-136.23	0.00	0.00	0.00
5,700.00	5.00	284.77	5,684.14	161.61	-296.38	-137.79	0.00	0.00	0.00
5,800.00	5.00	284.77	5,783.76	163.84	-304.82	-139.34	0.00	0.00	0.00
5,900.00	5.00	284.77	5,883.38	166.06	-313.25	-140.90	0.00	0.00	0.00
6,000.00	5.00	284.77	5,982.99	168.29	-321.69	-142.45	0.00	0.00	0.00
6,100.00	5.00	284.77	6,082.61	170.51	-330.12	-144.00	0.00	0.00	0.00
6,200.00	5.00	284.77	6,182.23	172.73	-338.56	-145.56	0.00	0.00	0.00
6,300.00	5.00	284.77	6,281.85	174.96	-346.99	-147.11	0.00	0.00	0.00
6,400.00	5.00	284.77	6,381.47	177.18	-355.43	-148.66	0.00	0.00	0.00
6,500.00	5.00	284.77	6,481.09	179.41	-363.86	-150.22	0.00	0.00	0.00
6,600.00	5.00	284.77	6,580.71	181.63	-372.30	-151.77	0.00	0.00	0.00
6,700.00	5.00	284.77	6,680.33	183.86	-380.73	-153.32	0.00	0.00	0.00
6,732.04	5.00	284.77	6,712.24	184.57	-383.43	-153.82	0.00	0.00	0.00
Begin 1.00°/100' Drop									
6,800.00	4.32	284.77	6,779.98	185.98	-388.78	-154.81	1.00	-1.00	0.00
6,900.00	3.32	284.77	6,879.75	187.68	-395.23	-155.99	1.00	-1.00	0.00
7,000.00	2.32	284.77	6,979.63	188.93	-399.99	-156.87	1.00	-1.00	0.00
7,100.00	1.32	284.77	7,079.58	189.75	-403.07	-157.44	1.00	-1.00	0.00
7,200.00	0.32	284.77	7,179.57	190.11	-404.46	-157.70	1.00	-1.00	0.00
7,232.47	0.00	0.00	7,212.04	190.14	-404.55	-157.71	1.00	-1.00	0.00
Begin Vertical Hold									
7,300.00	0.00	0.00	7,279.57	190.14	-404.55	-157.71	0.00	0.00	0.00
7,400.00	0.00	0.00	7,379.57	190.14	-404.55	-157.71	0.00	0.00	0.00
7,500.00	0.00	0.00	7,479.57	190.14	-404.55	-157.71	0.00	0.00	0.00
7,600.00	0.00	0.00	7,579.57	190.14	-404.55	-157.71	0.00	0.00	0.00
7,700.00	0.00	0.00	7,679.57	190.14	-404.55	-157.71	0.00	0.00	0.00
7,800.00	0.00	0.00	7,779.57	190.14	-404.55	-157.71	0.00	0.00	0.00
7,900.00	0.00	0.00	7,879.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,000.00	0.00	0.00	7,979.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,100.00	0.00	0.00	8,079.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,200.00	0.00	0.00	8,179.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,300.00	0.00	0.00	8,279.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,400.00	0.00	0.00	8,379.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,500.00	0.00	0.00	8,479.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,600.00	0.00	0.00	8,579.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,700.00	0.00	0.00	8,679.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,800.00	0.00	0.00	8,779.57	190.14	-404.55	-157.71	0.00	0.00	0.00
8,900.00	0.00	0.00	8,879.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,000.00	0.00	0.00	8,979.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,100.00	0.00	0.00	9,079.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,200.00	0.00	0.00	9,179.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,300.00	0.00	0.00	9,279.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,400.00	0.00	0.00	9,379.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,500.00	0.00	0.00	9,479.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,600.00	0.00	0.00	9,579.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,700.00	0.00	0.00	9,679.57	190.14	-404.55	-157.71	0.00	0.00	0.00

Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
9,800.00	0.00	0.00	9,779.57	190.14	-404.55	-157.71	0.00	0.00	0.00
9,900.00	0.00	0.00	9,879.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,000.00	0.00	0.00	9,979.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,100.00	0.00	0.00	10,079.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,200.00	0.00	0.00	10,179.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,300.00	0.00	0.00	10,279.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,400.00	0.00	0.00	10,379.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,500.00	0.00	0.00	10,479.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,600.00	0.00	0.00	10,579.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,700.00	0.00	0.00	10,679.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,800.00	0.00	0.00	10,779.57	190.14	-404.55	-157.71	0.00	0.00	0.00
10,900.00	0.00	0.00	10,879.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,000.00	0.00	0.00	10,979.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,100.00	0.00	0.00	11,079.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,200.00	0.00	0.00	11,179.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,300.00	0.00	0.00	11,279.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,400.00	0.00	0.00	11,379.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,500.00	0.00	0.00	11,479.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,600.00	0.00	0.00	11,579.57	190.14	-404.55	-157.71	0.00	0.00	0.00
11,647.47	0.00	0.00	11,627.04	190.14	-404.55	-157.71	0.00	0.00	0.00
Begin 10.00°/100' Build									
11,700.00	5.25	195.45	11,679.49	187.82	-405.19	-155.35	10.00	10.00	0.00
11,800.00	15.25	195.45	11,777.77	170.68	-409.93	-137.90	10.00	10.00	0.00
11,900.00	25.25	195.45	11,871.47	137.36	-419.14	-103.95	10.00	10.00	0.00
12,000.00	35.25	195.45	11,957.74	88.86	-432.54	-54.55	10.00	10.00	0.00
12,100.00	45.25	195.45	12,033.97	26.66	-449.74	8.81	10.00	10.00	0.00
12,200.00	55.25	195.45	12,097.82	-47.35	-470.19	84.21	10.00	10.00	0.00
12,300.00	65.25	195.45	12,147.38	-130.93	-493.29	169.35	10.00	10.00	0.00
12,400.00	75.25	195.45	12,181.12	-221.54	-518.33	261.64	10.00	10.00	0.00
12,500.00	85.25	195.45	12,198.03	-316.41	-544.55	358.28	10.00	10.00	0.00
12,547.47	90.00	195.45	12,200.00	-362.12	-557.19	404.84	10.00	10.00	0.00
Hold 90.00° Inc, Begin 2.00°/100' Turn									
12,600.00	90.00	194.40	12,200.00	-412.87	-570.71	456.50	2.00	0.00	-2.00
12,700.00	90.00	192.40	12,200.00	-510.14	-593.89	555.30	2.00	0.00	-2.00
12,800.00	90.00	190.40	12,200.00	-608.17	-613.65	654.57	2.00	0.00	-2.00
12,900.00	90.00	188.40	12,200.00	-706.82	-629.98	754.20	2.00	0.00	-2.00
13,000.00	90.00	186.40	12,200.00	-805.98	-642.86	854.07	2.00	0.00	-2.00
13,100.00	90.00	184.40	12,200.00	-905.53	-652.27	954.05	2.00	0.00	-2.00
13,200.00	90.00	182.40	12,200.00	-1,005.35	-658.20	1,054.03	2.00	0.00	-2.00
13,300.00	90.00	180.40	12,200.00	-1,105.32	-660.64	1,153.88	2.00	0.00	-2.00
13,347.74	90.00	179.44	12,200.00	-1,153.05	-660.58	1,201.46	2.00	0.00	-2.00
Hold 179.44° Azm									
13,400.00	90.00	179.44	12,200.00	-1,205.31	-660.07	1,253.52	0.00	0.00	0.00
13,500.00	90.00	179.44	12,200.00	-1,305.31	-659.10	1,353.13	0.00	0.00	0.00
13,600.00	90.00	179.44	12,200.00	-1,405.30	-658.13	1,452.74	0.00	0.00	0.00
13,700.00	90.00	179.44	12,200.00	-1,505.30	-657.16	1,552.34	0.00	0.00	0.00
13,800.00	90.00	179.44	12,200.00	-1,605.29	-656.19	1,651.95	0.00	0.00	0.00
13,900.00	90.00	179.44	12,200.00	-1,705.29	-655.22	1,751.56	0.00	0.00	0.00
14,000.00	90.00	179.44	12,200.00	-1,805.28	-654.25	1,851.17	0.00	0.00	0.00
14,100.00	90.00	179.44	12,200.00	-1,905.28	-653.29	1,950.78	0.00	0.00	0.00
14,200.00	90.00	179.44	12,200.00	-2,005.27	-652.32	2,050.39	0.00	0.00	0.00
14,300.00	90.00	179.44	12,200.00	-2,105.27	-651.35	2,150.00	0.00	0.00	0.00
14,400.00	90.00	179.44	12,200.00	-2,205.27	-650.38	2,249.61	0.00	0.00	0.00

Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
14,500.00	90.00	179.44	12,200.00	-2,305.26	-649.41	2,349.22	0.00	0.00	0.00
14,600.00	90.00	179.44	12,200.00	-2,405.26	-648.44	2,448.83	0.00	0.00	0.00
14,700.00	90.00	179.44	12,200.00	-2,505.25	-647.47	2,548.43	0.00	0.00	0.00
14,800.00	90.00	179.44	12,200.00	-2,605.25	-646.50	2,648.04	0.00	0.00	0.00
14,900.00	90.00	179.44	12,200.00	-2,705.24	-645.53	2,747.65	0.00	0.00	0.00
15,000.00	90.00	179.44	12,200.00	-2,805.24	-644.56	2,847.26	0.00	0.00	0.00
15,100.00	90.00	179.44	12,200.00	-2,905.23	-643.59	2,946.87	0.00	0.00	0.00
15,200.00	90.00	179.44	12,200.00	-3,005.23	-642.63	3,046.48	0.00	0.00	0.00
15,300.00	90.00	179.44	12,200.00	-3,105.22	-641.66	3,146.09	0.00	0.00	0.00
15,400.00	90.00	179.44	12,200.00	-3,205.22	-640.69	3,245.70	0.00	0.00	0.00
15,500.00	90.00	179.44	12,200.00	-3,305.21	-639.72	3,345.31	0.00	0.00	0.00
15,600.00	90.00	179.44	12,200.00	-3,405.21	-638.75	3,444.91	0.00	0.00	0.00
15,700.00	90.00	179.44	12,200.00	-3,505.20	-637.78	3,544.52	0.00	0.00	0.00
15,800.00	90.00	179.44	12,200.00	-3,605.20	-636.81	3,644.13	0.00	0.00	0.00
15,900.00	90.00	179.44	12,200.00	-3,705.19	-635.84	3,743.74	0.00	0.00	0.00
16,000.00	90.00	179.44	12,200.00	-3,805.19	-634.87	3,843.35	0.00	0.00	0.00
16,100.00	90.00	179.44	12,200.00	-3,905.19	-633.90	3,942.96	0.00	0.00	0.00
16,200.00	90.00	179.44	12,200.00	-4,005.18	-632.93	4,042.57	0.00	0.00	0.00
16,300.00	90.00	179.44	12,200.00	-4,105.18	-631.96	4,142.18	0.00	0.00	0.00
16,400.00	90.00	179.44	12,200.00	-4,205.17	-631.00	4,241.79	0.00	0.00	0.00
16,500.00	90.00	179.44	12,200.00	-4,305.17	-630.03	4,341.39	0.00	0.00	0.00
16,600.00	90.00	179.44	12,200.00	-4,405.16	-629.06	4,441.00	0.00	0.00	0.00
16,700.00	90.00	179.44	12,200.00	-4,505.16	-628.09	4,540.61	0.00	0.00	0.00
16,800.00	90.00	179.44	12,200.00	-4,605.15	-627.12	4,640.22	0.00	0.00	0.00
16,900.00	90.00	179.44	12,200.00	-4,705.15	-626.15	4,739.83	0.00	0.00	0.00
17,000.00	90.00	179.44	12,200.00	-4,805.14	-625.18	4,839.44	0.00	0.00	0.00
17,100.00	90.00	179.44	12,200.00	-4,905.14	-624.21	4,939.05	0.00	0.00	0.00
17,200.00	90.00	179.44	12,200.00	-5,005.13	-623.24	5,038.66	0.00	0.00	0.00
17,300.00	90.00	179.44	12,200.00	-5,105.13	-622.27	5,138.27	0.00	0.00	0.00
17,400.00	90.00	179.44	12,200.00	-5,205.12	-621.30	5,237.88	0.00	0.00	0.00
17,500.00	90.00	179.44	12,200.00	-5,305.12	-620.34	5,337.48	0.00	0.00	0.00
17,600.00	90.00	179.44	12,200.00	-5,405.12	-619.37	5,437.09	0.00	0.00	0.00
17,700.00	90.00	179.44	12,200.00	-5,505.11	-618.40	5,536.70	0.00	0.00	0.00
17,800.00	90.00	179.44	12,200.00	-5,605.11	-617.43	5,636.31	0.00	0.00	0.00
17,900.00	90.00	179.44	12,200.00	-5,705.10	-616.46	5,735.92	0.00	0.00	0.00
18,000.00	90.00	179.44	12,200.00	-5,805.10	-615.49	5,835.53	0.00	0.00	0.00
18,100.00	90.00	179.44	12,200.00	-5,905.09	-614.52	5,935.14	0.00	0.00	0.00
18,200.00	90.00	179.44	12,200.00	-6,005.09	-613.55	6,034.75	0.00	0.00	0.00
18,300.00	90.00	179.44	12,200.00	-6,105.08	-612.58	6,134.36	0.00	0.00	0.00
18,400.00	90.00	179.44	12,200.00	-6,205.08	-611.61	6,233.96	0.00	0.00	0.00
18,500.00	90.00	179.44	12,200.00	-6,305.07	-610.64	6,333.57	0.00	0.00	0.00
18,600.00	90.00	179.44	12,200.00	-6,405.07	-609.67	6,433.18	0.00	0.00	0.00
18,700.00	90.00	179.44	12,200.00	-6,505.06	-608.71	6,532.79	0.00	0.00	0.00
18,800.00	90.00	179.44	12,200.00	-6,605.06	-607.74	6,632.40	0.00	0.00	0.00
18,900.00	90.00	179.44	12,200.00	-6,705.05	-606.77	6,732.01	0.00	0.00	0.00
19,000.00	90.00	179.44	12,200.00	-6,805.05	-605.80	6,831.62	0.00	0.00	0.00
19,100.00	90.00	179.44	12,200.00	-6,905.04	-604.83	6,931.23	0.00	0.00	0.00
19,200.00	90.00	179.44	12,200.00	-7,005.04	-603.86	7,030.84	0.00	0.00	0.00
19,300.00	90.00	179.44	12,200.00	-7,105.04	-602.89	7,130.45	0.00	0.00	0.00
19,400.00	90.00	179.44	12,200.00	-7,205.03	-601.92	7,230.05	0.00	0.00	0.00
19,500.00	90.00	179.44	12,200.00	-7,305.03	-600.95	7,329.66	0.00	0.00	0.00
19,600.00	90.00	179.44	12,200.00	-7,405.02	-599.98	7,429.27	0.00	0.00	0.00
19,700.00	90.00	179.44	12,200.00	-7,505.02	-599.01	7,528.88	0.00	0.00	0.00
19,774.25	90.00	179.44	12,200.00	-7,579.26	-598.29	7,602.84	0.00	0.00	0.00

Kaiser-Francis Oil Company

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	Local Co-ordinate Reference:	Well Red Hills 402H
Company:	Kaiser-Francis	TVD Reference:	WELL @ 3441.30usft (Cactus 171)
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3441.30usft (Cactus 171)
Site:	Red Hills	North Reference:	Grid
Well:	Red Hills 402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - Red Hills 402H - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	11,627.04	190.14	-404.55	396,099.02	763,672.36	32° 5' 12.918 N	103° 36' 55.536 W
PBHL - Red Hills 402H - plan hits target center - Point	0.00	0.00	12,200.00	-7,579.26	-598.29	388,329.62	763,478.62	32° 3' 56.049 N	103° 36' 58.388 W

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,100.00	1,100.00	0.00	0.00	KOP, 1.00°/100' Build	
1,600.00	1,599.37	21.47	-3.79	Hold 5.00° Inc, 350.00° Azm	
2,100.00	2,097.46	64.39	-11.35	Begin 1.00°/100' Turn	
2,638.72	2,634.53	93.52	-38.17	Hold 284.77° Azm	
6,732.04	6,712.24	184.57	-383.43	Begin 1.00°/100' Drop	
7,232.47	7,212.04	190.14	-404.55	Begin Vertical Hold	
11,647.47	11,627.04	190.14	-404.55	Begin 10.00°/100' Build	
12,547.47	12,200.00	-362.12	-557.19	Hold 90.00° Inc, Begin 2.00°/100' Turn	
13,347.74	12,200.00	-1,153.05	-660.58	Hold 179.44° Azm	
19,774.25	12,200.00	-7,579.26	-598.29	PBHL	

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1625 N. French Dr., Hobbs, NM 88240
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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

CONDITIONS

Action 163091

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 163091
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	MUST AMEND C-115'S BACK TO MARCH 2021	12/29/2022